

CIP NO.: 278-97

PROJECT: Mason Farm WWTP Digester 4 Steel Cap Coating and Repair

DATE: February 22, 2024

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ADDENDA

ADDENDUM NUMBER 002

DATE: February 22, 2024

PROJECT: Mason Farm WWTP Digester 4 Steel Cap Coating and Repair

OWASA CIP NUMBER: 278-97

OWNER: ORANGE WATER AND SEWER AUTHORITY

ENGINEER: Andre Miller, P.E.

TO: Bid Document Plan Holders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated February 2024, Addendum Number 002, issued February 22, 2024, with amendments and additions noted herein below.

Acknowledge receipt of this Addendum should be included in the bid package. Failure to do so may disqualify the Bidder.

This Addendum consists of 6 pages:

CHANGES TO THE SPECIFICATIONS:

Questions received:

1. Can unit quantities, "attachment B" be revised to include:
 - Unit pricing per gallon of sealant
 - Abrasive blasting and surface preparation of exposed steel inside digester
 - Abrasive blasting and surface preparation of concrete inside digester
 - Abrasive blasting and surface preparation of exposed steel within the Attic Space
 - Dust containment and Roof containment erection and disassembly

Answer:

See new attachment B with updated quantities.



CIP NO.: 278-97

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2. Bid Item #5 Pit Repair- Can this be per 2 gallon kit installed, instead of per ounce

Answer:

OWASA does not have an issue with this request.

3. Can unit quantities per square foot be adjusted to include extra steel in the attic if repair and coating is needed?

Answer:

OWASA does not have an issue with this request.

4. Can OWASA define what inaccessible areas are and how the contractor is to address these areas?

Example: Inaccessible areas are defined as gaps in steel up to ¾" and should be sealed using specified material.

Answer:

Inaccessible areas will be identified and evaluated in the field on a case-by-case basis by the Contractor and OWASA Inspector.

These areas should be filled with an elastomeric joint sealant like PolySpec Thiokol 2235M

5. Can OWASA provide the existing concrete repair and coating specifications?

Answer:

Epoxy - Phenolic, Concrete: Epoxy-phenolic amine cured resin with a solids content of at least 55 percent by volume, and suitable for long-term immersion and exposure to the effects of hydrogen sulfide gas where there is the probability of sulfuric acid formation on the surfaces. The filler-sealer shall be a 100 percent solids amine-cured epoxy material with silica and inert fillers. A 100 percent solids epoxy surfacer shall be used to fill holes and patch the concrete surfaces after abrasive blasting.

Prime coat (filler-sealer), applied in two coats to the entire surface using a squeegee to achieve a smooth, void-free surface, **[Carboline Plasite 9028M1], [Amercoat 114A], [Tnemec MortarClad Series 218], [Sherwin Williams Corobond 300]**, or equal.

Finish coats:

Two or more coats, DFT = 12 mils, **[Carboline Plasite 7122], [Amercoat 351], [Tnemec 435 at 12-20 mils DFT], [Sherwin Williams Cor Cote SC Plus]**, or equal. **On stairways and in walking and working areas use [Amercoat 346 with Amercoat 886 non-skid additive in the final coat], or equal.**

Two or more coats, DFT = **[125+ mils], [PPG Novaguard], [Tnemec Perma-Shield H2S Series 434 at 125 mils DFT top coated with Tnemec Perma-Glaze Series 435 at 12-20 mils DFT], [Sherwin Williams Cor Cote SC Plus at 125 mils]**, or equal.

6. What is the existing coating on the interior of digester?

Answer:

OWASA does not have historical data, but it is typically a spray-applied liner

CIP NO.: 278-97

PROJECT: Mason Farm WWTP Digester 4 Steel Cap Coating and Repair

DATE: February 22, 2024

7. How thick is the wall coating?

Answer:

OWASA estimates less than 150 mils on average

8. In removing the wall coating, how thick will resurfacer be required prior to installing the new coating system?

Answer:

Surfaces are to be returned to the original surface plane, with an estimated average depth of 1/4" across all concrete surfaces.

9. Specification requires hold point inspections but does not define what the hold points are, can this be added?

Answer:

Typical hold-points:

Steel:

1. Abrasive Blasting
2. Prime Coat
3. Pit filler/Stripe Coat
4. Finish coat w/ testing.

Concrete:

1. Surface Preparation
2. Repair areas
3. Resurfacer
4. Prime Coat
5. Finish Coat with Testing

10. Section 3.06 Coating and Associated material acceptable products, calls for the coating system to fall within certain range depending on the product, can the coating thickness range be widened to allow for more millage due to spraying all the angle brackets in the attic?

Answer:

The specification section stands as is.

11. Can OWASA include a Per Hour rate to remove welding splatter and slag on rough welds?

Answer:

The contractor will bring to the OWASA's Inspector's attention the need to remove any potential welding splatter and slag. The OWASA Inspector will evaluate on a case by case basis, and it will be considered additional work.

12. Section 3.08 Acceptance Criteria B.3.A requires complete hiding of previously applied coats, is it acceptable that as long as the specified millage requirements are met, hiding is not required?

Answer:

The specification section stands as is and believes that if the specified mils are met,

CIP NO.: 278-97

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then the previous coat should be hidden.

13. Can you provide the required MBE/WBE forms?

Answer:

Forms are attached to this addendum

14. 84 calendar days is not enough time to complete the scope of work. It was discussed in the pre bid that 150 days was more reasonable time frame for surface preparation and coating of all steel. Then additional scope was to include concrete wall and floor of the digester, perhaps 180 days is more reasonable if concrete repair and coatings is part of new scope, can this be adjusted?

Answer:

The Contractor will have 140 calendar days to complete the scope of work of this project.

-END OF DOCUMENT-



NEW ATTACHMENT B

BID SHEET

For

Digester 4 Cover Coating and Rehabilitation for Mason Farm Wastewater Treatment Plant

February 22, 2024

OWNER: ORANGE WATER AND SEWER AUTHORITY

Item	Description	Unit	Quantity¹	Unit Cost	Dollar Price
1.	Mobilization/Demobilization	LS	1		
2.	Abrasive Blasting and Surface Preparation ¹	SF	8000		
3.	Abrasive Blasting and Surface Preparation within attic ¹	SF	8000		
4.	Coating and Repair of Exposed Steel cap and appurtenances within digester ¹	SF	3000		
5.	Coating and Repair of Steel cap and trusses within attic ²	SF	1000		
6.	Pit repair – per ounce of installed material	Per ~ 2 gallon kit	10		
7	Repair plate welds - (6"x6" minimum) – to include all surface prep, welding, materials. Assumed no more than 12"x12" size repairs	SF	80		
8	Allowance for additional services (perform minor repairs, exterior coating, roof repairs, etc.)	Allowance	1	\$35,000	\$35,000

Total Bid:					
	Contractor attach unit prices for inclusion in the contract including staff day rates, typical equipment day rates and OH&P rate	Daily Unit Price	Attach proposed sheet	140 calendar days	

Notes:

1. Quantities are for all surfaces including pipes, cover, support members etc. irrespective of surface geometry.
2. Attic access shall be through the existing manway. Removal and replacement of membrane roof and metal roof decking for improved access shall be permitted at the contractor's risk and expense.
3. All entries must be completed.
4. All entries to include dollars and cents.
5. Contractor responsible to carry out and total.
6. No zero items will be accepted.
7. LS = Lump Sum

MBE DOCUMENTATION FOR CONTRACT PAYMENTS

Prime Contractor: _____

Address & Phone: _____

Project Name: _____

Pay Application #: _____ Period: _____

The following is a list of payments made to Minority Business Enterprises on this project for the above-mentioned period.

MBE FIRM NAME	* INDICATE TYPE OF MBE	AMOUNT PAID THIS MONTH	TOTAL PAYMENTS TO DATE	TOTAL AMOUNT COMMITTED

*Minority categories: Black, African American (B), Hispanic (H), Asian American (A), American Indian (I), Female (F), Social and Economically Disadvantage (D)

Date: _____

Approved/Certified By: _____
Name

Title

Signature

SUBMIT WITH EACH PAY REQUEST & FINAL PAYMENT