

ADDENDUM NO. 3
WATER RECLAMATION FACILITY BIO-SOLIDS BUILDING – BUILDING ENVELOPE
IMPROVEMENTS REBID
10% SBE & 10% MBE

October 10, 2022

TO ALL BIDDERS:

This addendum is issued to clarify and/or modify the specifications and contract documents for the titled project. This addendum, including all articles and corrections listed below, shall be taken into account in preparing the “Proposals” and shall become part of the Contract.

All bidders are requested to attach this Addendum to the Bid Form and return to the City. This Addendum No. 3 includes:

CLARIFICATIONS:

1. Time for Completion of the project:

Extend contract completion date to November 30, 2023 [see notes within item #2 below]

2. Description of Biosolids Process and Sequence of Construction for Biosolids Barn Improvements:

Sludges collected at the Water Reclamation Facility are stabilized and transformed through anaerobic digestion into biosolids that are dewatered and used as fertilizer in a land application program on approved farms. The biosolids land application program is performed by a private contractor (Synagro). The average biosolids production is 30-35 dry tons per day. Dump trucks are used to transfer the biosolids into and out of the barn. Access for the dump trucks is to be maintained during construction.

The Biosolids barn is used to store biosolids until they are land applied. The majority of the biosolids are land applied during the Fall season. There are significantly more biosolids stored in the Barn during the Winter and Spring than during the Fall season. It is noted that the land application of the biosolids is weather dependent.

We are anticipating that replacement of the steel roof purlins and FRP Panels in Bays 1,2 ,and 3 will be able to be done in the Spring or Summer. The biosolids are typically kept int the back of the barn and normally the biosolids do not extend west of Bay 4. Access for dump trucks entering and exiting the Barn is to be maintained.

The City would like to perform the surface preparation and painting of the steel frames and girts in Bays 4-13 during the months of September-October. The Contract completion time is being extended until November 30, 2023. This will make it easier to prevent the power washing wastewater from mixing in with the stored biosolids. The biosolids will be stored on the north side of the barn for the Contractor to complete work on the south end. After the work on the south end is completed, Synagro will move the biosolids to the south end, within 1 week, so the Contractor can work on the north end. It will be the Contractor’s responsibility to keep spray from mixing in with the biosolids.

3. Disposal of waste water as a result of the prep process related to the steel framing members:
There is a 4" drain hole at the west side of the building between the two main drive in doors. This drain goes to the Centrate Pump Station. This drain can be used to dispose of wastewater created during the power washing process. The Contractor will be responsible to ensure that excess material/debris does not plug the drain.

During the spray down of the walls, it is anticipated that some material and debris will drain down the FRP panels that overlap the concrete walls. The Contractor is responsible to dispose of excess material that drains down the wall onto the grass area. The Contractor is responsible to clean the interior of the FRP panels as part of the prep work prior to painting.



4. Specification Section 09 90 00:
Replace previous version of the specification with the updated version attached.

End of Addendum #3.

SECTION 09 90 00 - PAINTING AND COATING

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes surface preparation and field application of paints and other coatings.
- B. Paint all exposed surfaces that are not pre-finished items, finished metal surfaces, operating parts, labels, or materials obviously intended to be left exposed such as brick and tile.
 - 1. Steel and iron / metal framing components
 - 2. Galvanized metal
- C. Unless otherwise indicated do not paint concealed surfaces.
- D. Obtain primers and undercoat materials for each coating system from the same manufacturer as the finish coats. Primer and finish coat shall be factory applied, finish coat shall be field applied.
- E. Extra Materials: Deliver to Owner any leftover paint materials, properly labeled.
- F. Minimum surface temperature of 50 degrees required for all coating systems.
- G. Store all materials in tightly closed containers when not in use, away from heat, electrical equipment, sparks and open flames. Use approved bonding and grounding procedures. Keep out of the reach of children and residents.
- H. Transfer materials to approved containers with complete and appropriate labeling.

1.2 SUBMITTALS

- A. Product Data and Color Samples: Provide product data on each coating system component indicating VOC and environmental requirements. Coordinate coating systems for each material/substrate.
- B. Provide draw down samples of each coating for final review and approval by Owner.

1.3 QUALITY ASSURANCE

- A. Conform to all work place safety regulations for storage, mixing, application, and disposal of all paint related materials.
- B. Surface Burning Characteristics:
 - 1. Fire Retardant Finishes: Maximum 25/450 flame spread/smoke developed index when tested in accordance with ASTM E84.

1.4 REFERENCES AND REGULATIONS:

- A. Standards: Comply with applicable provisions and recommendations of the following, except when otherwise shown or specified:
 - 1. OSHA Safety Standards for the Construction Industry
 - 2. SSPC Volume 1, Good Painting Practice,
 - 3. SSPC Volume 2, Systems and Specifications, Surface Preparation Guide and Paint Application Specifications of the Steel Structures Painting Council.
 - 4. SSPC and NACE Painter Safety Guidelines, latest editions.
- B. Requirements of Regulatory Agencies, conform with the following:
 - 1. Clean Air Act (CAA)
 - 2. Clean Water Act (CWA)
 - 3. Toxic Substances Control Act (TSCA)

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Store and apply materials in environmental conditions required by manufacturer's instructions.

1.6 MOCKUP

- A. Apply benchmark samples of each paint system indicated and each color and finish selected to verify preliminary selections and demonstrate aesthetic effects and set quality standards for materials and execution.

PART 2 PRODUCTS

2.1 PAINTS AND COATINGS

- A. Manufacturers:
 - 1. Sherwin Williams [basis of design]
 - 2. Devoe Coatings
- B. Colors: As selected from a full range of manufacturer's offerings, including premium colors.
- C. Color Pigments: Pure, non-fading, applicable types to suit substrates and service indicated.
 - 1. Lead: Measurable lead content in either the pigment or binder will not be permitted.
 - 2. The finish coats shall match colors selected.
- D. Finish Quality:
 - 1. Finishes shall exhibit a high quality, commercial grade appearance of uniform thickness.
 - 2. Finishes shall be free of runs, sags, drips, waves, orange peel, festoons, dry spray, cloudiness, spotting, ropiness, brush marks, roller marks, fish eyes or other surface imperfections, voids, discontinuities, pinholes, holidays and overspray.
 - 3. Final coat shall be uniform in texture, color and gloss, and shall provide an acceptable match with the approved drawdown sample sheet.

2.2 INTERIOR / EXTERIOR COATINGS

- A. Rust Inhibitive Primer: Compatible primer with finish coating system and as recommended by the coating manufacturer.
 - 1. Rust Inhibitive, corrosion resistant primer
- B. Epoxy Coating System: SW Hi-solids Catalyzed Epoxy, polyamide, bisphenol A epoxy resin coating, Chemical resistant, corrosion resistant, DTM application
 - 1. Epoxy Resin Coating
 - 2. VOC: <340 g/L, 2.8 lb/gal
 - 3. Volume Solids: 61% +/- 2%

2.3 PRE-CLEANING AND SURFACE PREPARATION PRODUCTS

- A. Pre-cleaning Agents
 - 1. SW No Rinse Prepaint Cleaner
 - 2. Krud Kutter
 - 3. Potable water
- B. Pre-cleaning (Power Wash) Equipment
 - 1. Capacity to continuously deliver 3-5 gpm at 2,500 psig of 180-200 degree F hot water.
 - 2. Cleaning system shall affect the 32-ounce per gallon dilution.
 - 3. Manufacturer: Alkota, Model 565T with model 520 water heater or approved equal.
 - 4. Power wash with 15 degree tip capable of delivering hot water at 2500 psig.
- C. Power Tool Surface Preparation Media:
 - 1. Scotch Brite No. 07451 by 3 M Corporation, Surface Conditioning disc.
 - a. Texture: A Medium
 - b. Maximum Speed: 18,000 RPM
 - 2. Clean 'N' Strip Disco No CSD2 by 3 M Corporation
 - a. Texture: Course

- b. Maximum Speed: 8,000 RPM

PART 3 EXECUTION

3.1 SURFACE PREPARATION

- A. Comply with paint manufacturer's written instructions for surface preparation, environmental and substrate conditions, product mixing, and application.
- B. Perform all surface preparation in accordance with SSPC specifications, guidelines and good painting practices.
 - 1. Meet Requirements of SSPC – SP6, 2.0 mil profile**
- C. Remove all loose and peeling paint by power tool cleaning, hand tool cleaning and power washing per ASTM-D4259.
- D. Remove all dirt, grease, oil and other foreign material by 180-200 degree F hot water pressure cleaning with chemical injection of an emulsifying cleaner, Great Lakes No Rinse Cleaner at 32 oz. per gallon or equal.
- E. Do not paint until surface is thoroughly dry and in sound condition.

3.2 APPLICATION

- A. Examination and Verification of Condition: Contractor shall verify the areas and conditions under which the work is to be performed and notify the Owner in writing of conditions detrimental to the proper and timely completion of the Work. Do not proceed with the Work until satisfactory conditions have been corrected. Do not coat over chalk, dirt, scale, moisture, oil, surface contaminants, coatings that have exceeded the manufacturer's re-coat guidelines, or conditions otherwise detrimental to the formation of a durable high quality coating system.
- B. Comply with manufacturer's instructions and SSPC Good Paint Practices Volumes 1 and 2.
- C. Comply with OSHA regulations, State of Ohio and Federal laws, ordinances, and guidelines.
- D. Follow manufacturer's requirements for temperature and humidity at time of application.
- E. Refer to SDS sheets before using any product.
- F. All surfaces must be thoroughly dry before coating applications.
- G. Apply coatings using brush or roller only.

3.3 PAINT APPLICATION SCHEDULE

- A. Bio-Solids Storage Building:
 - 1. Exposed Steel Structure / Framing / Purlins / Girts:
 - a. Rust Inhibitive Primer: Compatible Primer where required by conditions, one coat
 - b. Epoxy Resin Coating: SW Hi-Solids Catalyzed Epoxy, low sheen Coating at 5.0-6.0 MILS DFT, two coats.
 - 2. Exposed Galvanized Steel:
 - a. Rust Inhibitive Primer: Compatible Primer where required by conditions, one coat
 - b. Epoxy Resin Coating: SW Hi-Solids Catalyzed Epoxy, low sheen Coating at 5.0-6.0 MILS DFT, two coats.

3.4 CLEAN UP

- A. Clean site and remove debris and empty cans daily. Remove all paint from adjacent surfaces. Clean spills and splatters immediately.
- B. Clean hands and tools immediately after use with soap and water for water based products and with mineral spirits for oil based products.

- C. Follow manufacturer's safety recommendations when using mineral spirits.

3.5 ENVIRONMENTAL REQUIREMENTS

- A. Store and apply materials in environmental conditions required by manufacturer's instructions.

END OF SECTION