

## **BEAVER COUNTY CLERK**

**LISA BENNETT  
P. O. BOX 338  
BEAVER, OKLAHOMA 73932  
PHONE 580 625-3151**

### **TO WHOM IT MAY CONCERN:**

Bids will be received until **May 18, 2018 at 5:00 P.M.** in the Beaver County Clerk's Office of the Beaver County Courthouse in Beaver, Oklahoma.

Said bids will be publicly opened and considered by the Board of Beaver County Commissioners in the Commissioner's Office on the **21<sup>st</sup> day of May, 2018 at 10:00 A.M.** with the right being reserved to reject any or all bids.

The following criteria should be met when submitting a bid:

1. The bid shall be made on the enclosed "Invitation to Bid" and the Affidavit of Non-Collusion must be signed and notarized.
2. All prices quoted shall be F.O.B. Beaver County.
3. Place your bid in a sealed envelope clearly marked, "**SEALED BID #7**". This insures that the bid will not be voided due to accidental opening.
4. On all bids requiring services or contract labor, proof of liability insurance with at least \$1,000,000.00 liability and Workmen's Compensation is required. If you cannot furnish these you must furnish us with a Certificate of Non-Coverage.
5. **All bids on public construction contracts exceeding \$50,000.00 shall accompany the bid with a certified check, cashier's check or bid bond equal to 5% of the bid, which shall be deposited with the awarding public agency as a guaranty. Or, an irrevocable letter of credit issued by a financial institution, insured by the FDIC on behalf of the awarding public agency, in an amount equal to 5% of the bid.**
6. **Contract will not be executed until all bonds (Payment, Performance and Warranty) and insurance are provided.**

**NOTE: ALL BID PROPOSALS WILL BE DEEMED INVALID AND THEREFORE REJECTED WHICH DO NOT CONTAIN THE "INVITATION TO BID" AND THE SIGNED AND NOTARIZED "NON-COLLUSION AFFIDAVIT".**

Thank you for your cooperation and participation in this bidding procedure. Should you have any questions, please feel free to contact the Beaver County Clerk's Office at (580) 625-3151.

Respectfully,



Lisa Bennett  
Beaver County Clerk

**SA&I FORM NO. 1-4040 (1982) Invitation to Bid and Noncollusion Affidavit - Front Side**

**Lisa Bennett, Beaver County Clerk  
 COUNTY PURCHASING OFFICE  
 P.O. Box 338  
 Beaver, Oklahoma  
 Phone: (580) 625-3151**

**INVITATION TO BID**

**PLEASE REVIEW TERMS AND CONDITIONS ON REVERSE  
 SIDE RELATING TO SUBMISSION OF THIS BID.**

*Notarized Affidavit completions and signature required on reverse side.*

<b>4/25/2018</b>
<b>1 OF 10</b>

<b>BID NUMBER</b>	<b>BID CLOSING DATE AND HOUR</b>	<b>REQUIRED DELIVERY DATE</b>
<b>#7</b>	<b>May 18, 2018 @ 5:00 P.M.</b>	

**TERMS:** DATE OF DELIVERY:

Item	Quantity	Unit of Issue	Description	Unit Price	Total
			The Board of County Commissioners will open sealed bids for interior and exterior recoating on the Turpin RWD water tower, as per the attached specifications.		
			Contract will be signed upon bid award.		
			Bids will be opened on May 21, 2018 at 10:00 A.M.		
			The Board reserves the right to reject any or all bids.		

**SA&I FORM NO. 1-4040 (1982) Invitation to Bid and Noncollusion Affidavit - Back Side**

**TERMS AND CONDITIONS**

1. Sealed bids will be opened in the Commissioner's Conference Room, \_\_\_\_\_ Beaver \_\_\_\_\_ County Courthouse, \_\_\_\_\_ Beaver \_\_\_\_\_, Oklahoma, at the time and date shown on the invitation to bid form.
2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of the envelope.
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F.O.B. destination.
5. Purchases by \_\_\_\_\_ Beaver \_\_\_\_\_ County, Oklahoma, are not subject to state or federal taxes.
6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.
8. Bids will be firm until \_\_\_\_\_ (Date)

**AFFIDAVIT:** I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity; quality or price in the prospective contract or any other terms of said prospective contract; or in any discussion between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this \_\_\_\_\_ day  
of \_\_\_\_\_ 20\_\_\_\_

(SEAL)

Firm:

My commission expires \_\_\_\_\_

Signed by: \_\_\_\_\_ Title: \_\_\_\_\_

Print Name: \_\_\_\_\_

\_\_\_\_\_  
NOTARY PUBLIC (CLERK OR JUDGE)

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip: \_\_\_\_\_

**NOTE:** Other terms and conditions can be added at the discretion of the county officer.

# WATER TANK COATING SYSTEMS

## PART 1 GENERAL

### SUMMARY

- A. Section Includes:
  - 1. Work under this section consists of surface preparation, priming and painting necessary to complete work.
  - 2. Use coating systems specified in this section to finish all water tank components, unless otherwise indicated. Without restricting volume or generality, work to be performed under this section may include, but is not limited to:
    - a. Exterior steel
    - b. Interior steel

### REFERENCES

- A. Publications listed herein are part of this specification to extent referenced.
- B. American Society for Testing and Materials:
  - 1. ASTM D16 Terminology Relating to Paint, Varnish, Lacquer, and Related Products
  - 2. ASTM D3359 Test Method for Measuring Adhesion by Tape Test
  - 4. ASTM D4541 Test Method for Pull Off Strength of Coatings Using Portable Adhesion-Testers
  - 5. ASTM D1005 Test for determining dry film thickness
  - 6. ASTM D4417 Test for determining surface profile
- C. The Society for Protective Coatings:
  - 1. SSPC-SP1 Specification for Solvent Cleaning
  - 2. SSPC-SP2 Specification for Hand Tool Cleaning
  - 3. SSPC-SP3 Specification for Power Tool Cleaning
  - 4. SSPC-SP10 Specification for Near White Metal Blast Cleaning
  - 5. SSPC-PA1 Painting Application Specification
  - 6. SSPC-PA2 Measurement of Dry Paint Thickness with Magnetic Gages

### DEFINITIONS

- A. Terms PAINT shall in a general sense have reference to, zinc primers, latex, polyurethane and epoxy type coatings and application of these materials.
- B. DRY FILM THICKNESS (DFT): Thickness, measured in mils (1/1000 inch), of a coat of paint in cured state.

## **SUBMITTALS**

- A. Product Data:
  - 1. Submit manufacturer's literature describing products to be provided, giving manufacturer's name, product name, and product line number for each material.
  - 2. Submit technical data sheets for each coating, giving descriptive data, curing times, mixing, thinning, and application requirements.
  - 3. Submit color charts showing manufacturer's full range of standard colors.

## **DELIVERY AND STORAGE**

- A. Packing and Shipping:
  - 1. Deliver products in manufacturer's original unopened containers. Each container shall have manufacturer's label, intact and legible.
  - 2. Include on label for each container:
    - a. Manufacturer's name
    - b. Type of paint
    - c. Manufacturer's stock number
    - d. Color name and number
    - e. Instructions for thinning, where applicable
- B. Storage and Protection:
  - 1. Store materials in a designated protected area, per manufacturer's printed data sheet instructions.

## **PROJECT CONDITIONS**

- A. Environmental Requirements:
  - 1. Apply coating materials per manufacturer's printed data sheet instructions:
    - a. Refer to specific product data sheets for minimum surface temperature requirements. Surface temperatures shall be at least 5 degrees F (15 degrees C) above dew point and in a rising mode.
    - b. Provide for proper ventilation using explosion proof equipment. Allow to run 72 hours after interior coating application.
    - c. Adequate illumination shall be provided using explosion proof lights and equipment.
    - d. Atmosphere shall be free of airborne dust.

## PART 2 PRODUCTS

### COATING SYSTEMS

#### **Exterior – Epoxy/Acrylic Coating System:**

Surface Preparation: High pressure water blast entire area with a minimum of 3500 psi at the tip at a rate of 3-5 gallons per minute, utilizing an orbital tip and TSP solution to remove all chalk, mildew, loose paint, and exterior contaminants. Follow with a high-pressure water rinse with a minimum of 3500 psi at the tip at a rate of 3-5 gallons per minute. The intent of this surface preparation is to remove all surface contaminants on the entire tank and all loose finish paint.

All rusted, abraded and exposed steel shall be Power Tool Cleaned in accordance with SSPC-SP3. All loose paint shall be removed with the same power tools, but remaining, intact primers can be left in place. Feather all edges.

Spot Prime: Apply one coat to all bare steel surfaces. This coating shall be applied at a dry film thickness of 2.0 to 5.0 mils.

Finish Coat: Apply one complete coat to a dry film thickness of 2.0 to 4.0 mils. Color shall be selected by the Owner. Certain finish coat colors may require two-coats depending upon the method of application and color of the intermediate coat.

Logo/Lettering: Apply one coat to the logo lettering at a dry film thickness of 2.0 to 4.0 mils. Lettering shall be black and logo shall be black, red and yellow (see photo enclosed). Certain finish coat colors may require two-coats depending upon the method of application and color of the intermediate coat.

#### **Interior Wet – Zinc/Epoxy Coating System:**

Surface Preparation: Remove all visible oil, grease, soil, dirt and other soluble contaminants in accordance with SSPC-SP1. The surface shall be abrasive blast cleaned to a Near White Finish in accordance with the recommended methods outlined in The Society for Protective Coatings Specification SSPC-SP10 (NACE No. 2). A surface profile of 1.5 to 2.5 mils is required.

Prime Coat: Immediately after abrasive blasting and before any rusting occurs, apply one coat of primer at a dry film thickness of 2.5 to 3.5 mils.

Intermediate Coat: Apply one complete coat at a dry film thickness of 5.0 to 10.0 mils.

Finish Coat: Apply one complete coat applied at a dry film thickness of 5.0 to 10.0 mils

## **ACCESSORIES**

### **A. Coating Application Accessories:**

1. Provide application accessories as indicated in coating manufacturer's application instructions, including but not limited to cleaning agents, etching agents, cleaning cloths, sanding materials, and clean-up materials.
2. Material not specifically identified, but needed for proper application shall be of a quality not less than specified products.

**MIXING Instructions:** Specific product mixing and thinning instructions are to be found in the manufacturer's printed data sheets.

## **PART 3 EXECUTION**

### **EXAMINATION**

- A. Site Verification of Conditions:
  - 1. Examine areas and conditions under which application of coating systems shall be performed for conditions that will adversely affect execution, permanence, or quality of coating system application.
  - 3. Correct conditions detrimental to timely and proper execution of Work.
  - 4. Do not proceed until unsatisfactory conditions have been corrected.
  - 5. Commencement of installation constitutes acceptance of conditions and responsibility for satisfactory performance.

### **PREPARATION**

- A. Protection:
  - 1. Take precautionary measures to prevent fire hazards and spontaneous combustion. Remove empty containers from site at completion of each day's work.
  - 2. Provide drop cloths, shields, and other protective equipment.
  - 3. Protect elements surrounding work from damage or disfiguration.
  - 4. As Work proceeds, promptly remove spilled, splashed, or splattered materials from surfaces. Leave storage area neat and clean at all times.
- B. Surface Preparation:
  - 1. General Requirements:
    - a. Prior to application of primer, surfaces shall be prepared to receive specified paintings system in compliance with manufacturer's recommendations and specifications of The Society of Protective Coatings as indicated in Schedule below.
    - b. Surfaces to be coated shall be clean, dry and free from dust and any foreign matter which might adversely affect adhesion or appearance.
  - 2. Ferrous Metal Surfaces:
    - c. Surfaces shall be cleaned in compliance with specifications of The Society for Protective Coatings as indicated in Schedule of Coating Systems of this specification.

### **APPLICATION**

- A. General Requirements:
  - 1. Apply coating systems in compliance with manufacturer's instructions and using application method best suited for obtaining full, uniform coverage and hide of surfaces to be coated.



- a. Work shall be implemented in compliance with applicable sections of AWWA D102 and the latest revisions thereto.
  2. Apply primer, intermediate, and finish coats to comply with wet and dry film thicknesses and spreading rates for each type of material as recommended by manufacturer and in accordance with SSPC-PA2.
  3. Number of coats specified shall be minimum number acceptable. Apply additional coats as needed to provide a smooth, even application.
    - a. Closely adhere to re-coat times recommended by manufacturer. Allow each coat to dry thoroughly before applying next coat. Provide adequate ventilation for tank interior to carry off solvents during drying phase.
  4. Employ only application equipment that is clean, properly adjusted, and in good working order, and of type recommended by coating manufacturer.
  5. After surface preparation, spot primer on interior weld seams shall be brush applied.
- B. Thinning: Thinning requirements for specified products are to be found in the paint manufacturer's printed data sheets and are to be strictly adhered to.
- C. Disinfection and Filling of Tank:
1. Provide adequate ventilation for proper drying of paint on interior surfaces and which will remove solvent vapors.
  2. Following final application, tank shall not be disinfected or filled until coating system is fully cured.
  3. Refer to applicable product data sheet(s) for dry time/temperature requirements. Disinfection shall be in compliance with AWWA C652, or as instructed by Owner.
- D. Interface with Other Work:
1. Allow a minimum of seven days curing time after application of final coat to tank interior before flushing, disinfecting or filling with water.

## **REPAIR/RESTORATION**

- A. At completion of Work, touch-up and restore finishes where damaged.
- B. Defects in Finished Surfaces:
1. When stain, dirt, or undercoats show through final coat, correct defects and cover with additional coats until coating is of uniform finish, color, appearance and coverage.
- C. Touch-up of minor damage shall be acceptable where result is not visibly different from surrounding surfaces. Where result is visibly different, either in color, sheen, or texture, recoat entire surface.

## **PROTECTION**

- A. Protect painted areas against damage until paint system is fully cured

## **WASTE MANAGEMENT**

- A. General Requirements:
  - 1. Place materials defined as hazardous or toxic waste in designated containers.
  - 2. Return solvent and oil soaked rags for contaminant recovery and laundering or for proper disposal.
  - 3. Do not dispose of paints or solvents by pouring on ground. Place in designated containers for proper disposal.



Replace current cardinal on tower with cardinal head.