



The Sewerage & Water Board OF NEW ORLEANS

625 ST. JOSEPH STREET
NEW ORLEANS, LA 70165
504.529.2837 OR 52.WATER
www.swbno.org

May 23, 2024

Addendum No. 2

Your reference is directed to the Invitation to Bid for: **2024-SWB-22 Maintenance and Repair of Algiers Water Tower** for the Sewerage and Water Board of New Orleans, which proposals are due on **May 29, 2024**, at **11:00 a.m.** CST.

This addendum provides:

1. Questions provided by Vendors (Pages 2 – 5)
2. Revised Attachment C – Bid Form (Page 6)
3. Original Tank Drawings (Page 7)
4. 2003 Inspection Report (Pages 8 – 9)

The changes, additions, and/or deletions included herein are hereby made part of the solicitation documents for 2024-SWB-22 Contract 1457 Maintenance and Repair of Algiers Water Tower, as fully and completely as if the same were set forth therein. The bidder shall be responsible for having knowledge of all addendum issued for this ITB.

This addendum consists of nine (9) pages.

***** END OF ADDENDUM *****

1. Series 20 is an old coating system and is discontinued. Also, series N140 on the interior is no longer NSF approved. We can do a stripe coat or an intermediate but not a final coat. We could do L140 instead. This is covered by the paint vendor comments.

Per Engineering, Paint is series 21 and stripe coat is Tnemec Series 21 Epoxoline

2. Are Builders Risk/OCP insurance required?

Per Risk Management, No.

3. Is flood insurance required?

Per Risk Management, No.

4. What is the budget for this project?

\$570,000

5. Per the technical specifications, Contractor shall provide all labor and materials necessary to blast-clean, recoat, and disinfect the INTERIOR of the Two Million (2,000,000) gallon Water Tank and entails adding OSHA compliant ladders. Is that accurate?

Per Engineering, The scope is to blast clean, recoat and disinfect interior only of the two-million-gallon elevated water tank. Also, the contractor shall install a new OSHA compliant ladder (along with standoffs and a safety climb device) at the existing primary shell manhole as well as modify or replace existing ladder at the main hatch with an OSHA compliant ladder with anti-skid rungs (along with standoffs and a safety climb device)

6. Does any exterior work (including adding/replacing manways/hatches) per the inspection report get done on this contract?

Per Engineering, This does not include any exterior work

7. Are there rigging plugs installed?

Per Engineering, There are no known rigging plugs, but there are painter's clips as shown on the attached Original Tank Drawing with this addendum (Page 7). Per drawing 11386 1 W-13 supplied with specifications states painter's clips are spaced about 8' 0" on centers near the apex on the roof, around tank just below the water line.

8. In the insurance section 1 (A)(d) Errors & Omissions/Professional Liability Insurance, we cannot get that insurance. An engineer or an architect are the only ones that can get that. In this situation, this does not apply. Who will carry that if required?

Per Risk Management, This coverage is not needed for this project.

9. In reference to Technical Specification # 5. Ladders Install OSHA 1910.23(b)(4) compliant interior bowl access ladders complete with standoffs every 10' on center at primary roof hatch and the primary manhole. See page 21 of PTTG Inspection Report

attached. Page 21 of the reports on states the following: Primary interior access ladder in above photo is not equipped with anti-skid rungs and is only 13" wide. OSHA 1910.23(b)(4) states, "Ladder rungs, steps, and cleats have a minimum clear width of... 16 inches (41 cm) (measured before installation of ladder safety systems) for fixed ladders... " We recommend installing an OSHA compliant interior access ladder complete with standoffs every 10' on center, a cable type ladder safety device at the primary roof hatch and modifying the existing rungs to be anti-skid. the contractor shall install a new OSHA compliant ladder (along with standoffs and a safety climb device) at the existing primary shell manhole as well as modify or replace existing ladder at the main hatch with an OSHA compliant ladder with anti-skid rungs (along with standoffs and a safety climb device) It was stated in the pre-bid that four (4) ladders needed to be replaced on the interior, but per the drawings, there are only two (2) ladders inside of the tower.

Per Engineering, Two ladders will be installed. One at the main manhole and the one at the main hatch. There is an option to modify the one at the main hatch to be OSHA compliant

10. How many ladders are in the tower to be replaced and are there drawings reflecting that?

Per Engineering, There are two ladders involved with the scope, the main manway and the main hatch. They are shown in the original tank drawing attached to this addendum. The New ladder is from the manhole to the tank floor.

11. In regard to the ladders inside the tank, in the plans on drawing no. 11878-W-13 under the coating schedule and legend C-7, it is calling for the ladders to be hot dip galvanized as a prime coat. Question: Could the ladders be stelllll and primed with the coating specified in C-1 in the same section?

Per Engineering, The ladders do not require galvanizing as a prime coat. The drawings attached to spec are for reference only. Current industry practice is for the ladder to match the paint and primer spec.

First Coat: Tnemec Series 91 H2O Hydro-Zinc, thickness 2.5-3.5 dry mils.

Intermediate coat: Series 21 Epoxoline beige 5.0-7.0 dry mils.

Finish coat: Series 21 Epoxoline 5.0-7.0 dry mils.

12. After looking at the inspection report concerning the interior ladder, it sounds like just ONE ladder is to be replaced however on the bid form it says 4 ladders are needed. Please clarify this.

Per Engineering, The ladder at the Shell hatch needs to be replaced or modified to OSHA criteria. A new ladder to OSHA criteria is required for the shell manhole.

13. The surface prep for the interior states, "The rusted and abraded area of tank interior shall be Society for Protective Coating-SSPC-SP10 Near-White Metal Blast Cleaned, and brush blast all remaining surfaces to SSPC-SP7" So, is this a spot blast of SP10 and a brush blast of the rest of the tank?

Per Engineering, All interior surfaces shall be blast cleaned. Rusted, abraded areas items shall be blasted to SSPC-SP10 "Near White Metal Blast Cleaned" remaining surfaces shall

be blasted per SPC-SP7. This shall not be interpreted as a spot blast of SP10 and brush blast of rest of tank.

14. Is there a bid bond required?

Per Engineering Department, There is no bid bond required

15. Are DBE's required to subcontract or can they perform the entire contract without a subcontractor?.

Per EDBP Department, DBE's bidding as prime cannot fulfill the DBE requirement by listing themselves as the subcontractor to meet the DBE goal. The prime contractor must select another DBE from Sewerage and Water Board's approved vendor listing.

16. Do the existing interior and/or exterior coatings contain lead and if so, how much?

Per Engineering, In 2002 the coal tar epoxy coating was removed from the tank interior, and it was SP10 blasted. This project also required lead paint removal if found inside tank. No lead was reported found or removed. The attached inspection report (Pages 8 – 9) shows only coal tar epoxy was removed.

17. When is the desired mobilization date?

Per Engineering, Desired mobilization is Oct 1, 2024. Project needs to be complete by year end.

18. What is the estimated bid price?

Budgeted \$570,000.

19. Can we get a list of the plan holders?

Rivera Power Up Construction
APEC Construction
The Conerly Corp
Digiovanni Construction

20. Who will be performing coatings inspections? Any 3rd party inspectors? If so, who will it be? If unknown, who is being considered?

Per Engineering, Sewerage and Water Board will assign inspectors within the organization.

21. Are any bonds required on this project?

Per Engineering, No.

22. Do liquidated apply and if so, how much are they?

Per Engineering, No.

23. Is there a warranty on the work and if so, how long?

Please submit manufacturer's warranty.

24. I didn't see EDBP summary sheet in the specs and its not listed in the checklist as required. Can you clarify if this summary sheet is needed and if so where we can obtain it?

The Summary Sheet is not provided because there is a 0% goal of DBE on this Project.

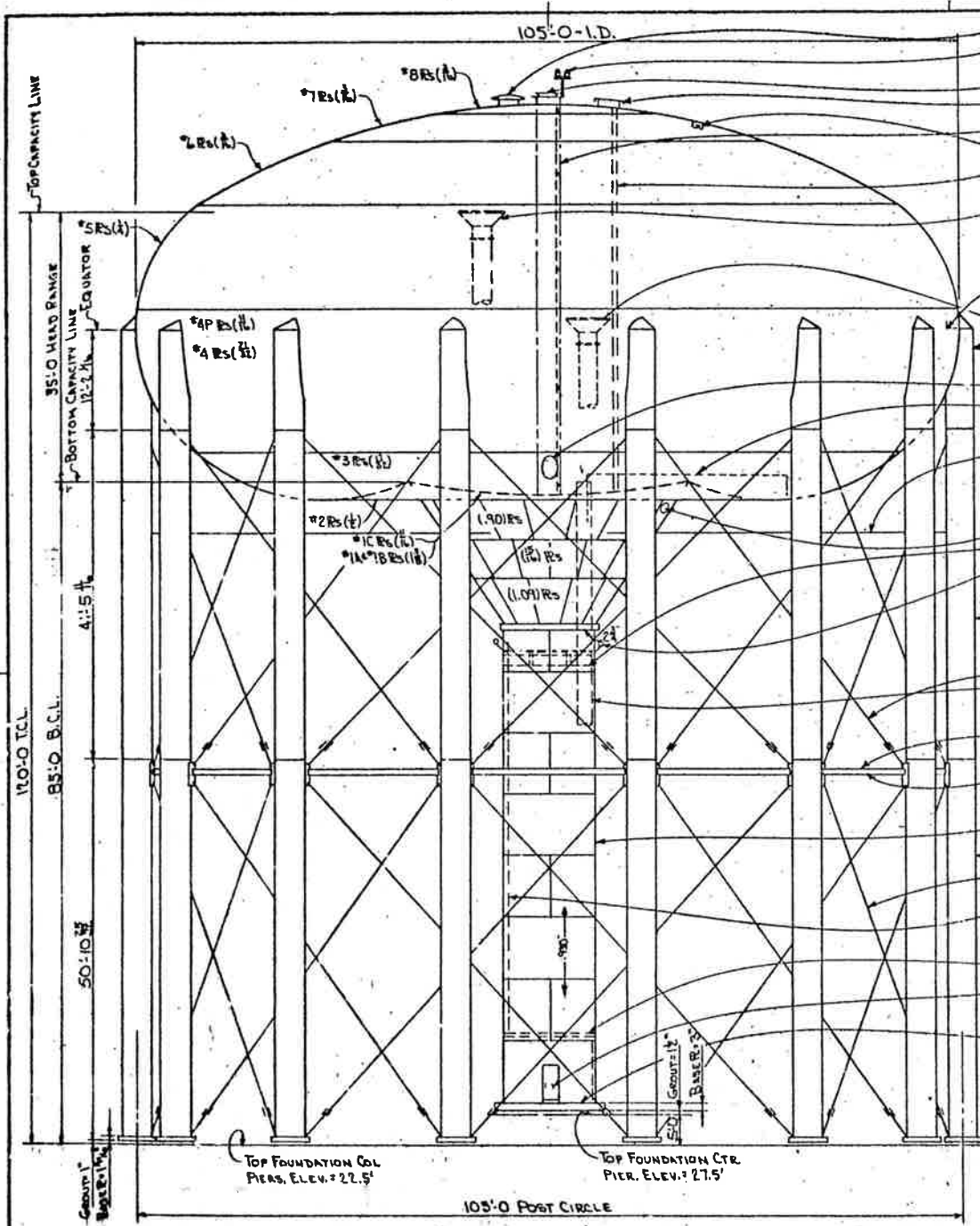
25. Reference Bid Form #2. Are safety climbs being installed on the 4 ladder?

Per Engineering, We have two ladders, not 4. The ladders require a safety climb. All to be installed as required by OSHA.

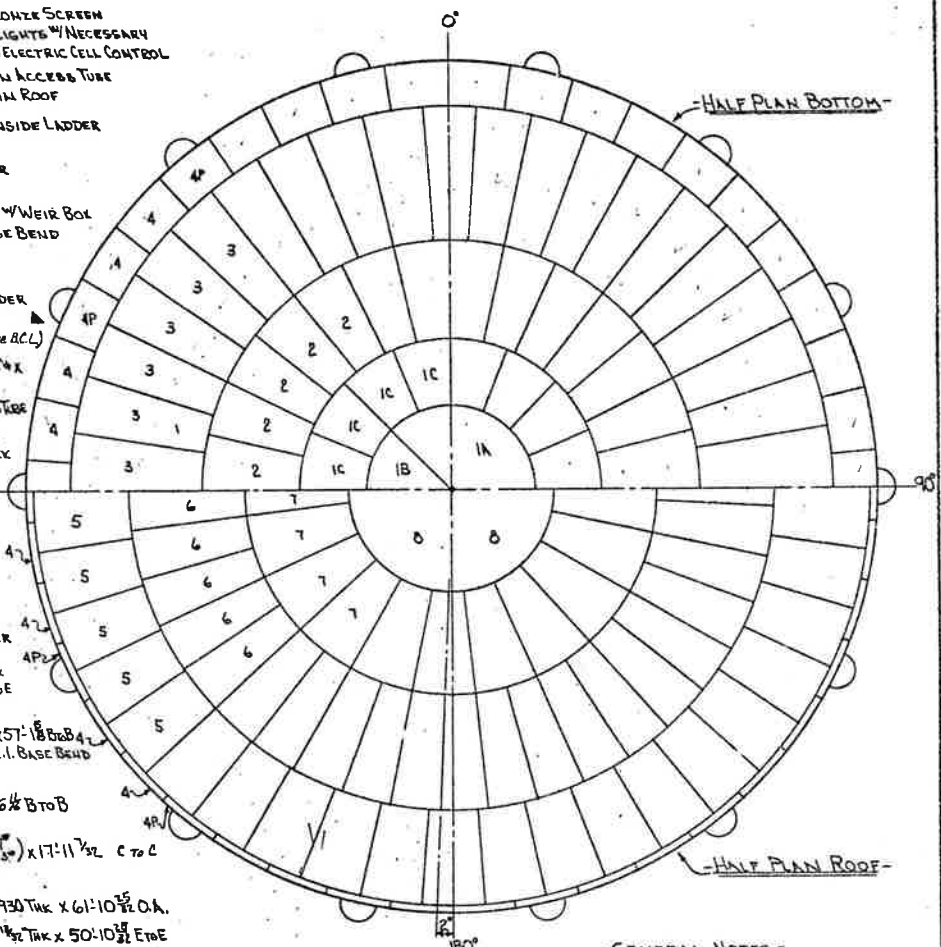
ATTACHMENT C

Maintenance and Repair AWP Tower (ITEM NOS. 1 THROUGH 2)

Vendor:				
Item No.	Quantity	Description	Price Per Unit	Total Price
Item No. 1	1	Blast-Clean, Recoat and Disinfect Interior of Algiers Water Tower - 2940 Casimire Street, Algiers, LA 70131	\$	\$
Item No. 2	2	Install OSHA compliant Ladders	\$	\$
TOTAL FOR ITEM NOS. 1 THROUGH 2				\$



- 24" VENT 1/4" MESH BRONZE SCREEN
- DOUBLE OBSTRUCTION LIGHTS W/ NECESSARY CONDUIT, WIRING & PHOTO ELECTRIC CELL CONTROL
- 24" RAINPROOF DOOR IN ACCESS TUBE
- 30" RAINPROOF DOOR IN ROOF
- 30" ACCESS TUBE W/ INSIDE LADDER
- PAINTER'S CLIPS
- INSIDE TANK LADDER
- 16" INSIDE OVERFLOW W/ WEIR BOX TERMINATING W/ C.I. BASE BEND
- CONTINUOUS INSIDE GIRDER
- 16" OUTLET LINE (15'-0" ABOVE B.C.L.)
- 14" STUB COLUMNS 46" x 12" THK x 12'-2 1/2"
- 18" x 24" MANHOLE IN ACCESS TUBE
- 4" SIPHON DRAIN
- PAINTER'S TROLLEY TRACK
- 14-1 1/2" EREC 270° RODS x 34-7 1/2" BTD B (FIELD LOOSEN AFTER ERECTION)
- 24" CONE DOOR
- TOP RISER PLATFORM
- PAINTER'S RINGS ON OUTSIDE OF CONE RISER
- 14- INTERM COLS 46" x 1 1/2" THK x 41'-5 1/2" E TO E
- 28- TOWER RODS - 1 1/2" x 57'-18 5/8" BTD
- 30" INLET-OUTLET W/ C.I. BASE BEND
- 14- CUL RODS - 1 1/2" x 42'-6 1/2" BTD B
- 14- STRUTS (1 1/2" x 20" x 15.5") x 17'-11 1/2" C TO C
- 12'-0" DRY RISER x 930 THK x 61'-10 1/2" O.A.
- 14- BTM COLS - 46" x 1 1/2" THK x 50'-10 3/4" E TO E
- 28- TOWER RODS - 2 1/2" x 61'-5 1/2" BTD B
- INSIDE RISER LADDER TO ACCESS TUBE
- CONDENSATE CEILING
- 30" x 72" RISER DOOR COMPLETE W/ BRASS LOCK & 2 KEYS
- BTM RISER PLATFORM
- FOUNDATION BY OTHERS
- 4- 1 1/2" ANCHOR BOLTS IN CTR. PIER (BY C.B. & I. CO.)
- 2- 1 1/2" ANCHOR BOLTS PER COL PIER (BY C.B. & I. CO.)



GENERAL NOTES

SPECIFICATIONS - AWWA & ENGRS
 ERECTION - BY CHICAGO BRIDGE & IRON CO.
 INSPECTION - MILL-C.T.R.; SHOP & FIELD - BY CUSTOMER & INDEPENDENT TESTING LAB.

MATERIAL - RS A283C; STR. A36
 PAINT - SEE PAINT SHEETS
 RICKLE - ENTIRE TANK & ACCESSORIES
 STERILIZE - AFTER ERECTION
 TANK HAS BEEN DESIGNED FOR WIND LOADS OF 50 PS.F. ON VERTICAL PLANE SURFACES; 30 PS.F. ON PROJECTED AREAS OF CYLINDRICAL SURFACES & 25 PS.F. ON PROJECTED AREAS OF CONICAL DOUBLE CURVED PLATE SURFACES.

ELEVATION

ONE OR MORE OF THE FOLLOWING UNITED STATES PATENT APPLIES -
 D70464 2541095 2567958 2668407 2635550 2685867
 2690273 2720494 2754012 2768432 2916118 3019806 3011564
 OTHER PATENTS PENDING

APPROVED	DATE	BY	REVISION

CHICAGO BRIDGE & IRON COMPANY
GENERAL PLAN
 200000 GAL SPHER ELEV TK
 SEWERAGE & WATER BOARD CITY OF
 NEW ORLEANS, LOUISIANA

DESIGNED BY: J.E.H. DATE: 11-22-28
 CONTRACT NO. 69-4979
 DRAWN BY: J.E.H. DATE: 11-22-28
 CHECKED BY: J.E.H. DATE: 11-22-28
 ENGINEER: J.E.H. DATE: 11-22-28

DELTA TESTING AND INSPECTION, INC.
725 South Genois Street
New Orleans, Louisiana 70119
(504) 486-5595
Fax (504) 486-5598

INSPECTION REPORT

PROJECT INFORMATION

DATE: 04-30-2003 REPORT #: 001 DNO: 15408

PROJECT: Repairs to the Interior
of the Algiers Elevated
Water Storage Tank.
Contract #1317

CLIENT: Sewerage & Water Board of New Orleans.
Attn: Mr. Leonard Hirsch, P.E.

INTERIOR-COATING ASSESSMENT ALGIERS TANK

PAINTING CONTRACTOR : CAPITOL Enterprises, Inc.

INSPECTOR'S QUALIFICATION: Our representative assigned to this project is currently certificated by the International Association of Corrosion Engineers as a Certified Coating Inspector in accordance with the requirements of the Training and Certification Program. Certification #2368 is on-file with this office and available, for review, to those authorized.

TANK DESCRIPTION

TANK LOCATION : Algiers, Louisiana (Orleans Parish)
Corners of; Zion @ Casimire @ Carver @ General Meyer Avenue
TANK MANUFACTURER : Norton Elevated Tanks (Chicago Bridge and Iron Company)
DATE OF CONSTRUCTION : 1963 (Contract #8-7451)
TANK CAPACITY : 2 Million Gallons (U.S) - Potable Water
CONSTRUCTION/STYLE : Toro Ellipsoidal - Welded Seams
SQUARE FOOTAGE : Interior - Approximately 34,000²'
Exterior - Approximately 73,800²'

SURFACE PREPARATION-1ST PHASE

Interior Surface: *Mechanical Cleaning Methodology* - Approximately 80% of the interior surface of this tank was protected with a black coal-tar coating. During this reporting period the previously applied coal-tar coating was mechanically removed using pneumatic chisel methodology.

Pneumatic Hammer: MR Series Air Hammer w/REXID 3" Carbide Chisels
Air Supply : Ingersoll Rand - 750 cfm.

NOTE: Pneumatic chisels work on the principle of air pressure which comes from a external compressor. Typically, the air compressor work on air pressure of at least 6 atm, it is noted that the pneumatic chisels used, during this reporting period, were adequately supplied with a continuous compressed-air source. The pneumatic chisels were used to remove the thick previous coal-tar coating from the interior surface of this tank.

Assessment: Approximately 90% of the previous coal-tar coating was removed using the pneumatic chisel methodology described above. The steel substrate revealed no indications of mechanical gouging as a result of the mechanical surface preparation.

SURFACE PREPARATION-2ND PHASE

Interior Surface: High-Pressure Abrasive Blast Cleaning - ~80% of the interior surface of this tank, excluding the ceiling, was high-pressure abrasive blast cleaned to a level of cleanliness consistent with SSPC-SP10 "Near-White Blast Cleaning", and achieving an average surface anchor profile pattern between 1.50-1.75 mils.

**Joint Surface Preparation Standard
SSPC-SP10/NACE No. 2
Near-White Blast Cleaning**

A near-white blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dust, dirt, mill scale, rust, coating, oxides, corrosion products, and other foreign matter. Random staining shall be limited to no more than 5 percent of each unit area of surface (~9"2) and may consist of light shadows, slight streaks, or minor discolorations caused by stains of rust, stains of mill scale, or stains of previously applied coating.

Abrasive Blast Media: Silica Sand Blasting Abrasive - Grade 3

=====

PROTECTIVE COATING-APPLICATION

Ambient Conditions: During the on-site inspections the surface preparation and application of the specified protective coating was achieved during ambient conditions within the acceptable limits of the coating manufacturer. Our representative cannot, with unquestionable accuracy, attest to the ambient conditions during his absence.

NOTE: The interior ambient conditions, air temperature, relative humidity and dew point, were controlled using a moisture control service-dehumidification.

Coating-Application Methodology: It is noted that during the on-site inspections (see inspection dates) the specified protective coating was applied to the prepared steel substrate in accordance with the recommendations of the protective coating manufacturer.

Protective Coating Data

Coating Manufacturer : TNEMEC Protective Coatings

Primer Coat Used : 1. Interior Primer Coat
Series 91-H20 Hydro-Zinc 2000
Aromatic Urethane, Zinc-Rich
Color: Greenish-Gray
Batch #: Part "A" See Product Data Sheets
Part "B" See Product Data Sheets
Thinner Used: #2 Batch #: See Data Sheets
Application Methodology : **Airless Spray**
Recommended Dry Film Thickness: **2.5-3.5 Mils**