

ECUA GENERAL RESOLUTION NO. GR21-48

A GENERAL RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO SIGN AN ENGINEERING SERVICES PROPOSAL FROM TANK INDUSTRY CONSULTANTS (TIC) IN THE AMOUNT OF \$113,890 FOR DESIGN AND CONSTRUCTION PHASE SERVICES FOR REHABILITATION OF THE PCC TANK; AUTHORIZING THE USE OF FUNDS FROM RW817 ELEVATED TANK MAINTENANCE.

BE IT RESOLVED BY THE EMERALD COAST UTILITIES AUTHORITY:

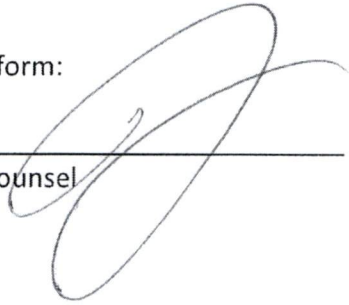
- WHEREAS, the Emerald Coast Utilities Authority (hereinafter "ECUA") Board previously approved a project to maintain elevated potable water storage tanks; and
- WHEREAS, ECUA's approved provider of Engineering Services for tank rehabilitation, Tank Industry Consultants (TIC), has provided a report indicating that the replacement of the coatings is needed at the PCC elevated potable water storage tank; and
- WHEREAS, staff solicited and received a proposal from TIC in the amount of \$113,890 for design and construction phase services to accomplish this project; and
- WHEREAS, staff has been satisfied with the quality of TIC's work in the past and finds the cost to be reasonable;

NOW THEREFORE, be it resolved by the Emerald Coast Utilities Authority:

- SECTION 1. ECUA hereby authorizes the Executive Director to sign the attached proposal; and
- SECTION 2. ECUA hereby authorizes creation of a new project, transfer, and utilization of funds from RW817 Elevated Tank Maintenance in the amount of \$113,890; and
- SECTION 3. This resolution shall take effect upon adoption.

Approved as to form:

ECUA General Counsel



Adopted on:

ATTEST:

Amanda Miller, Administrative Coordinator

Lois Benson, Board Chairman

Date: July 20, 2021
Account Number:
Amount: \$113,890
Type of Resolution: Resolution

EXPLANATION TO ECUA BOARD

Originating Department: Water Production

REMARKS: The latest comprehensive tank evaluation of the PCC Tank by TIC in 2017 recommended addressing the tank coatings within the next 3-4 years for corrosion prevention and aesthetics.

Design Phase Services will be paid monthly in a lump sum based on task completion. Construction Phase Services will be paid based on time and materials at provided hourly rates, with the amount not to exceed the amounts shown below. Please note that the costs for these tasks are based on estimated time and materials required for the work. This work is broken up into five tasks as described below:

Design Phase Services (Lump sum)

Task 1 – Preparation of Specifications \$ 12,760

Task 2 – Bidding Services \$ 1,600

TOTAL DESIGN PHASE SERVICES \$ 14,360

Construction Phase Services (Time and Materials)

Task 3 – Resident Project Representation \$ 92,530

Task 4 – Contract Administration \$ 5,000

Task 5 – Laboratory Analysis \$ 2,000

Est. TOTAL CONSTRUCTION PHASE SERVICES \$ 99,530

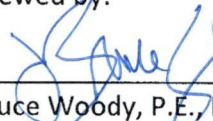
Est. TOTAL SERVICES \$113,890

Submitted by:



Thomas Dawson, Jr, P.E.
Director of Water Production

Reviewed by:



J. Bruce Woody, P.E., M.P.A.
Executive Director

TIC

TANK
INDUSTRY
CONSULTANTS

7740 West New York Street
Indianapolis, Indiana 46214
317 / 271-3100 - Phone
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*Engineering Water Tanks
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805 / 538-4206



June 16, 2021

Mr. Daniel Corliss, P.E.
Assistant Director of Water Production
Emerald Coast Utilities Authority
P.O. Box 17089
Pensacola, Florida 32522-7089

RE: Professional Services associated with the Rehabilitation of the
1,000,000 Gallon Steel Elevated PCC Tank – TIC Ref. F446.021

Dear Daniel,

As you requested in your email conversation with Patrick Brown, Tank Industry Consultants is pleased to provide this proposal for engineering and inspection services associated with the rehabilitation of the 1,000,000 Gallon Steel Elevated PCC Tank.

PREPARATION OF SPECIFICATIONS

This phase will encompass the design and preparation of the detailed plans and specifications based on the work authorized by ECUA. The project plans and specifications will include the documents required to execute the project.

Project Scope: Based on the evaluation report the following is the anticipated scope of work to be performed on this project:

- Clean and Paint Exterior
 - Spot Repair and Topcoat with Containment
- Clean and Paint Interior
 - SP 10, 3-Coat Epoxy System
- Miscellaneous Chipping and Grinding
- Seam Sealing
- Pit Repair
- Grout Repair
- Foundation Repair
- Interior Ladder Modifications
- Exterior Ladder Toe Room Adjustment
- Anchor Bolt Repairs
- Balcony Drain Holes
- Weld Strut Ends
- Roof Coupling Replacements

A detailed construction cost estimate will be provided during the design phase for the actual scope of work being designed.

The fee for Tank Industry Consultants to provide design services for the above scope of work will be \$12,760. A pre-bid meeting would increase these fees, but it is not anticipated that one will be necessary.

BIDDING SERVICES

TIC will assist ECUA in obtaining competitive and qualified bids. TIC will:

- Address any design inquiries
- Issue addenda, as required

An Employee-Owned Company

- Attend and conduct prebid conference
- Tabulate the bids
- Review the bids
- Check for signatures, bonds, and insurance
- If necessary, investigate the low bidder
- Recommend award to the lowest and most qualified bidder

The fee for Tank Industry Consultants to provide these services will be \$1,600. TIC can attend the bid opening via teleconference for a fixed fee of \$440.

To authorize the scope of work included in the above proposal, please sign below.

Accepted: _____

Print: _____ Date: _____

OPTIONAL CONSTRUCTION PHASE SERVICES

If requested by Emerald Coast Utilities Authority, Tank Industry Consultants will provide construction phase services during appropriate contractor work.

Resident Project Representation: TIC's technician will furnish ECUA and the contractor with a written report for each day's evaluation. The reports will address, at a minimum, the following items:

- Temperature of steel
- Weather conditions
 - Temperature
 - Wind velocity and direction
 - Relative humidity
 - Dew point
- Location and quality of work performed and compliance with the project documents
- Paint batch numbers
- Surface profile
- Wet and dry film thickness readings
- Calibration record of dry mil thickness gauge
- Measure of the paint cure
- Number of men and equipment on the job
- Recommendations made
- Estimated completion date
- Other pertinent data as required or requested

Contract Administration: Once a tank rehabilitation project begins, TIC will be available to consult with and advise ECUA concerning any portion of the tank rehabilitation and repainting project. TIC can also perform all contract administration and project administration as specifically requested. The contract administration items could include:

- Consultation on adequacy and compliance with the project specifications
- Specification interpretation
- Attend the pre-construction and all subsequent meetings—supplying typed meeting notes
- Review all contractors' submittals and shop drawings

- Review construction schedule
- Review and approval of materials
- Prepare and assist in the negotiations of change orders and supplemental agreements
- Review and approval of payment requests
- Dispute settlement
- Public relations

The fees for the construction phase services and contract administration will be billed on a time and expenses basis from the rate structure in effect at the time the services are performed. The rate structure for 2021 is attached for your review. Based on our experience with similar projects we have provided an estimate which should not be construed as a Not-to-Exceed figure. **The contractors' construction methodology and work force allotment will be the overall determining factor for inspection hours and costs for this project.** Based on our experience with similar projects we *estimate* the following:

Resident Project Representation*:

17 - 19 weeks @ approximately \$4,870/55 hour workweek \$82,790 - \$92,530

Contract Administration: \$5,000

Subcontract Laboratory Analysis: \$2,000

*A minimal amount of time may be charged for the field technician's preparation of documentation in addition to on-site time.

We have enjoyed working with you and look forward to future projects. If you have any questions or need additional information, please feel free to contact me.

Sincerely,

Tank Industry Consultants



Sabrina Fleming
Sales and Marketing Representative

To authorize the additional scope of work of Construction Observation included in this proposal, please sign below.

Accepted: _____

Print: _____

Date: _____

Tank Industry Consultants
7740 West New York Street
Indianapolis, Indiana 46214

Professional Services – Rate Structure
Emerald Coast Utilities Authority
January 1, 2021 to December 31, 2021

Long-Term Resident Observation

Technician (travel and on-job time)	Up to 40 hours:	\$73.46 per hour
	Over 40 hours:	\$86.28 per hour

Spot Observation

Technician (travel and on-job time)	\$104.94 per hour
One hour Senior Engineer time added to each observation for dispatching and report analysis	\$125.35 per hour

Engineering and Support Staff

Field Services Manager	\$84.54 per hour
Field Superintendent/NACE Certified Technician	\$78.71 per hour
Project Manager	\$96.20 per hour
Engineer - E.I.	\$90.37 per hour
Registered Engineer	\$107.86 per hour
Senior Registered Engineer	\$125.35 per hour
Principal Engineer	\$154.50 per hour
Senior Principal Engineer	\$171.99 per hour
Technical Editor	\$72.88 per hour
Clerical	\$49.56 per hour