

**IRC North RO Water Plant Roof
Replacement IRC Project No. 1802**

This Work Order Number is entered into as of this _____ day of _____, _____, pursuant to that certain Continuing Contract Agreement for Roof Consultation Services, dated April 18th, 2014, and extended on February 6, 2018 for an additional 3-year term, (referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and REI Engineers, Inc. ("Consultant").

All services performed under this contract shall be supervised and certified by a licensed Professional Engineer (PE) licensed with the State of Florida and staff employed directly with your firm.

Scope of Services:

Indian River County is requesting that REI Engineers, Inc., prepare construction drawings consisting of roof plans and details; which depict the Scope of Work, assist in the bidding phase, and provide construction administration services for the replacement of the roof at the IRC North County RO Water Plant, located at 7751 58th Avenue, Vero Beach, FL 32967.

All work shall be performed in accordance with the attached Proposal dated January 16, 2018 (EXHIBIT "A") and shall comply with Standards enumerated in the Continuing Contract Agreement for Professional Services, dated April 18, 2014, and extended on February 6, 2018 for an additional 3-year term.

Compensation:

The COUNTY agrees to pay, and REI Engineers, Inc., agrees to accept, \$23,050.00 for services rendered according to the Proposal dated January 16, 2018, identified in the attached EXHIBIT "A", incorporated by reference herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT:

[REI Engineers, Inc](#)

**BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY**

By: 
Mark Renninger
Title: Branch Manager

By: _____
Peter D. O'Bryan, Chairman

BCC Approved Date: _____

Attest: Jeffrey R. Smith, Clerk of Court and Comptroller

By: _____
Deputy Clerk

Approved: _____
Jason E. Brown, County Administrator

Approved as to form and legal sufficiency: _____
Dylan T. Reingold, County Attorney



January 16, 2018

Indian River County
1801 27th Street
Vero Beach, FL 32960

Attention: Andrew Sobczak
Infrastructure Project Manager

Reference: Proposal for Engineering Services
Indian River North RO Water Treatment Plant
Contract Documents and Construction Administration
REI Proposal No. P17TPA-039 Revision 3

Dear Mr. Sobczak:

In response to our recent discussions, we are pleased to submit this proposal for your consideration. The roof areas outlined in this proposal include roof sections of the facility located at 7751 58th Ave, Vero Beach, Florida 32967 (totaling approximately 16,855 square feet). The following is an outline of the proposed services for Contract Documents and Construction Administration:

I. CONTRACT DOCUMENTS

- A. Conduct the site visit(s) to develop detailed Contract Documents for the subject building.
- B. Extract roof samples to identify roof system composition and condition. Cored locations to be repaired with compatible materials.
- C. Perform the following engineering design calculations for all roof areas which will be sealed by a Licensed Engineer:
 - 1. Determine design wind loads in accordance with ASCE 7 as required by the current edition of the State Building Code.
 - 2. Primary and secondary (overflow) drainage for compliance with the current edition of the State Plumbing Code.
 - 3. Existing and proposed roof system R-Value for compliance with the current edition of the State Energy Conservation Code.
 - 4. Estimate existing and proposed roof system dead load unit weights to determine load change and the need for a structural analysis. If a structural analysis is required, REI will coordinate applicable work with a licensed Structural Engineer. The cost for the structural analysis (if necessary) is not included in this proposal.
- D. Prepare comprehensive scaled drawings for conditions present to ensure competitive bids are received. All plans and details to be developed on Computer Aided Drafting (AutoCAD).

- E. Prepare technical specifications of the removal or other preparation of the existing roofing system(s) and installation of the insulation, roof system(s) and sheet metal for the building.
- F. Issue preliminary Contract Documents for Owner review. Upon acceptance, final Contract Documents will be prepared and submitted.
- G. Provide advertisement for bids to Owner for use in advertising in accordance with applicable laws and/or submit names of three or more qualified Contractors to bid the Contract Documents.
- H. Attend one Pre-Bid Meeting for potential contractors to review the Contract Documents and resolve any questions that may arise during the bid stage of the project.
- I. Bids shall be analyzed and a recommendation made based on low bid, alternates, contractor's past performance and Owner's budget restrictions. Submit a certified Bid Tabulation and recommendation for award.

II. CONSTRUCTION ADMINISTRATION

- A. Review and accept, as appropriate, shop drawings and submittals as required by the Contract Documents. Return unacceptable submittals to contractor as required until compliance with specifications is realized.
- B. Attend a pre-construction meeting with the successful contractor to ensure a clear understanding of the plans and specifications.
- C. Perform quality assurance site visit once every five working days, Monday through Friday, to verify work is in compliance with the Contract Documents. Photographs will be taken as deemed necessary for documentation. REI cannot comment on work that takes place and covered while REI is not onsite.
- D. Prepare and submit reports from each quality assurance site visit relaying information pertaining to weather, area worked, application methods, material types installed during the site visit, and listing of non-conforming items requiring Contractor's correction.
- E. Review any change orders developed by the county as needed to address changes to the contract requirements.
- F. Upon notification by the contractor that the job is substantially complete, a substantial completion inspection will be conducted with REI, Owner, Contractor and Manufacturer personnel. A punch list will be prepared to list any minor items that require further treatment.
- G. Upon notification by the contractor that the job is fully complete, a final inspection will be conducted with REI, contractor and Owner personnel. A final inspection report will be submitted upon verifying completion or if necessary, an additional punch list will be prepared.
- H. Upon completion of work, verify compliance of warranties and forward to Owner with close out documents and final billing.

- I. Conduct a 2-year Contractor Warranty Inspection before the warranty expires to address warranty issues with the Contractor and Manufacturer.

III. PROPOSED SCOPE OF WORK

- A. Low Slope Roof Sectors A, B, C, D & E: Remove existing roof system down to the existing structural deck and provide new PVC roof system along with sheet metal flashing and accessories to provide a complete, watertight, 20-year warrantable roof assembly. Roof system selected will be submitted to Owner for approval.
- B. Reference drawing "R1" dated January 16, 2018 for designation of roof sectors.

IV. OPINION OF PROBABLE CONSTRUCTION COST/ENGINEERING FEES

- A. Based on the anticipated scope of work for this project, the proposed engineering fees are:

Engineering Fees:

Contract Review Draft Documents.....	\$6,800
Contract Final Draft Documents.....	\$5,800
Bidding Phase	\$900
Construction Administration.....	<u>\$9,550</u>
Total.....	\$23,050

V. PROJECT SCHEDULE

- A. Preliminary Contract Documents shall be completed within thirty (30) days of Notice to Proceed. Final Contract Documents shall be completed and sealed within ten (10) days of receipt of comments.
- B. Construction Administration shall be performed during the estimated construction duration and the project closeout process. This work is expected to take forty-five (45) days calendar days.

If this proposal meets with your approval, please notify us in writing. This proposal will remain firm for a period of thirty (30) days. After that time, we reserve the right to review scheduled commitments and prices.

If you have any questions regarding this matter, please do not hesitate to call.

Respectfully submitted,

REI Engineers


Mark Renninger, PE, RRC, RRO
Branch Manager

