

REQUEST FOR QUALIFICATIONS BELTON-HONEA PATH WATER AUTHORITY'S WATER TREATMENT PLANT EVALUATION, IMPLEMENTATION AND CONSTRUCTION ADMINISTRATION

The Belton – Honea Path Water Authority (BHPWA) is seeking **Statements of Qualifications (SOQ's)** from professional engineering firms interested in performing engineering services to evaluate its existing Water Treatment Plant (WTP), recommendations of improvements needed, assistance with identifying funding for the improvements and construction administration of the proposed improvements to the existing WTP.

Background: Located in southern Anderson County, it is primarily rural and in the western upstate of South Carolina. BHPWA's WTP currently permitted to provide up to 3.87 million gallons per day (MGD). It's water supply comes from the Saluda River off of a dammed section of the river. BHPWA's WTP began operations in 1962 servicing what is primarily residential and commercial, with four large wholesale customers. BHPWA is currently experiencing an average daily water demand of 1.9 MGD and peak demand of 2.5 MGD in the summer. BHPWA services approximately 1000 customers. Storage is provided by 1, 300,000 gallons elevated storage tank.

BHPWA is seeking assistance with evaluating, planning, financing and constructing BHPWA's WTP recommended improvements. BHPWA's WTP is located 525 Filter Plant Road, Honea Path, SC 29654.

The existing WTP is conventional filtration technology with four stage flocculation and 2 sedimentation basins, inline flash mixer; water backwash system; PAC, caustic chemical feed systems; a 500,000 gal clearwell and 750,000 gal clearwell for initial finished water storage; disinfection utilizes gas chlorine; and high service pumps.

Scope of Services:

Evaluation and Funding Phase

1. Assist Owner in evaluation to the improvement needed and the selection of Alternatives for implementation.
2. Incorporate the selected Alternatives into a Preliminary Engineering Report.
3. Assist Owner in an evaluation of Funding sources for the Project. Upon selection of a funding source by the Owner, assist in preparing the application and needed documents to secure funding.

Design Phase

1. Design Project and Design Contract Instruments and Bidding Documents including, but not limited to, Advertisement for Bids, Instructions to Bidders, Bid Form, Bid Bond, Notice of Award, Agreement Between Owner and Contractor for Construction, Notice to Proceed, Performance Bond, Payment Bond, Application for Payment, Certificate of Substantial Completion, Contractor's Affidavit, General Conditions, Supplementary Conditions, Work Change Directive, Change Order, Field Order, Contractor Qualifications, and other required forms. On the Bid Form, the Engineer shall include alternates for at least 5% below and 10% above the most current opinion of Probable Construction Costs to mitigate the uncertainty in the Engineer's estimate.

2. Assist the Owner in applying for and obtaining normally required permits and approvals. These include the South Carolina Department of Health & Environmental Control (SCDHEC) Construction Permit, the SCDHEC Stormwater/Land Disturbance Permit, and the SCDOT Encroachment Permits.
3. Prepare a Pre-Bid Opinion of Probable Construction Cost made on the basis of the Engineer's experience and qualifications, representing the Engineer's judgment as a design professional familiar with the construction industry.

Bidding or Negotiating Phase

1. Assist Owner in advertising for and obtaining bids or proposals for the Work and, where applicable, maintain a record of prospective bidders to whom Bidding Documents have been issued, attend pre-bid conferences, if any, and receive and process contractor deposits or charges for the bidding documents.
2. Issue addenda as appropriate to clarify, correct, or change the bidding documents.
3. Provide information or assistance needed by Owner in the course of any negotiations with prospective contractors.
4. Consult with Owner as to the acceptability of subcontractors, suppliers, and other individuals and entities proposed by prospective contractors for those portions of the Work as to which such acceptability is required by the bidding documents.
5. Evaluate and determine the acceptability of "or equals" and substitute materials and equipment proposed by bidders.
6. Attend the Bid opening, prepare Bid tabulation sheets, and assist Owner in evaluating Bids or proposals and in assembling and awarding contracts for the Work.

Construction Phase

1. General Administration of Construction Contract: Consult with Owner and act as Owner's representative as provided in the Construction Contract. All of Owner's instructions to Contractor will be issued through Engineer, which shall have authority to act on behalf of Owner in dealings with Contractor.
2. Resident Project Representative (RPR): Provide the services of an RPR at the Site to assist the Engineer and to provide more extensive observation of Contractor's work. The furnishing of such RPR's services will not limit, extend, or modify Engineer's responsibilities or authority.
3. Pre-Construction Conference: Conduct a Pre-Construction Conference prior to commencement of Work at the Site.
4. Schedules: Receive, review, and determine the acceptability of any and all schedules that Contractor is required to submit to Engineer, including the Progress Schedule, Schedule of Submittals, and Schedule of Values.
5. Baselines and Benchmarks: As appropriate, establish baselines and benchmarks for locating the Work which in Engineer's judgment are necessary to enable Contractor to proceed.
6. Visits to Site and Observation of Construction: In connection with observations of Contractor's Work while it is in progress. Make visits to the Site at intervals appropriate to the various stages of construction, as Engineer deems necessary, to observe as an experienced and qualified design professional the progress of Contractor's executed Work. Such visits and observations by Engineer,

and the Resident Project Representative, if any, are not intended to be exhaustive or to extend to every aspect of Contractor's Work in progress or to involve detailed inspections of Contractor's Work in progress beyond the responsibilities specifically assigned to Engineer in this Agreement and the Contract Documents, but rather are to be limited to spot checking, selective sampling, and similar methods of general observation of the Work based on Engineer's exercise of professional judgment, as assisted by the Resident Project Representative, if any. Based on information obtained during such visits and observations, Engineer will determine in general if the Work is proceeding in accordance with the Contract Documents, and Engineer shall keep Owner informed of the progress of the Work.

7. Prepare an operation and maintenance manual for the BHPWA Water Treatment Plant.

The selected firm shall comply with all project funding requirements. EJCDC E-500 Standard Form of Agreement Between Owner and Engineer for Professional Services shall be used.

Ranking Criteria:

Past Performance (35%)

- a. Experience working with SC funding sources on similar projects
- b. Timeliness/Schedule of compliance with prior similar projects
- c. Capability of staff assigned to the project

Availability (20%)

- a. Current and projected workload of firm
- b. Availability of staff at the project location
- c. Proximity to the site

Capacity (20%)

- a. Firm's experience with water facilities
- b. Project understanding and approach
- c. Experience with similar projects

References (15%)

- a. Three client references including project type and dates

Summary (10%)

- a. Why your firm should be selected

Maximum Number of Pages: 35, single-sided, double-spaced, not including covers

Resume Deadline: Tuesday, January 25, 2022 – 4:00 pm

Number of Copies: Five (5) Hard Copies & One (1) Electronic Copy in PDF Format

Submit to: Mitch Ellenburg General Manager
Belton – Honea Path Water Authority
525 Filter Plant Rd.
Honea Path, SC 29654
Phone: (864) 369-7442