

NOTICE TO PROCEED

TO: Alliance Consulting Engineers

RE: NOTICE TO PROCEED

Task Order 22-105-006 – WWTP Design and Construction Management

Please consider this your NOTICE TO PROCEED on the above referenced project. In accordance with the terms of the contract, work is to commence within 24 hours receipt of the Notice to Proceed unless otherwise agreed and to be completed within ____ calendar days from that time.

Dated this ____ day of _____, 2022

Effingham County Board of Commissioners

Wesley Corbitt, Chairman

ACCEPTANCE OF NOTICE:

Receipt of the above Notice to Proceed is acknowledged.

Contractor: _____

By: _____

Title: _____

Date of Acceptance: _____



May 26, 2022

Ms. Alison Bruton, Purchasing Agent
Effingham County Board of Commissioners
804 South Laurel Street
Springfield, Georgia 31329

RE: Professional Engineering Services for WWTP Design
and Construction Management for Effingham County
Board of Commissioners
Effingham County, Georgia
Proposal Number: P22085-B
Effingham County RFP No. 22-105-006

Dear Ms. Bruton,

Thank you for giving Alliance Consulting Engineers, Inc. the opportunity to present this proposal to provide Professional Engineering Services for WWTP Design and Construction Management for Effingham County. It is Alliance Consulting Engineers, Inc.'s understanding that Effingham County wishes to Design, Permit and Construct a new Two Million Gallon per Day (2 MGD) Wastewater Treatment Plant (WWTP) on County-owned land adjacent to its existing WWTP in order to provide additional wastewater treatment capacity that will assist Effingham County in serving the continued residential, commercial and industrial activities in the County. The Professional Engineering Services will include Surveying, Geotechnical Subsurface Exploration, Environmental Review, Concept Design, Preliminary Design, Structural Design, Final Design, Specifications, Permitting, Bidding Documents, Construction Procurement, Construction Contract Administration, Construction Observation, and Start-Up Assistance for the 2-MGD WWTP. Alliance Consulting Engineers, Inc. will complete this Scope of Services in conjunction with Rettew Associates, Inc. of Lancaster, Pennsylvania.

We appreciate you giving Alliance Consulting Engineers, Inc. the opportunity to provide this proposal for Professional Engineering Services for WWTP Design and Construction Management and look forward to providing services to Effingham County. Should you have any questions or comments, please do not hesitate to contact us at (843) 757-5959.

Very truly yours,

ALLIANCE CONSULTING ENGINEERS, INC.

A handwritten signature in black ink that reads 'Adam R. Hogan'.

Adam R. Hogan, P.E., LEED Green Associate
Regional Manager

cc: Mr. Deepal S. Eliatamby, P.E., Alliance Consulting Engineers, Inc.
Mr. Frank I. Turano, Alliance Consulting Engineers, Inc.

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23 Plantation Park Drive, Suite 204 Bluffton, SC 29910-6072 Phone 843 757-5959 Fax 843 757-6659 www.allianceCE.com

Ms. Alison Bruton, Purchasing Technician
Effingham County Purchasing Department
May 26, 2022 – Page 2 of 6

SCHEDULE

Alliance Consulting Engineers, Inc. can complete the WWTP Design and Construction Management as outlined in the schedule below:

- Due Diligence (including Surveying, Geotechnical Subsurface Exploration, and Environmental Review) 60 to 75 days
- Concept Design (concurrent with Due Diligence)..... 60 to 75 days
- Preliminary Design 30 to 45 days
- Final Design and Specifications 60 to 75 days
- Permitting and Bidding Documents..... 60 to 90 days
- Construction Procurement 60 to 75 days
- Construction Contract Administration, Construction Observation, and Start-Up Assistance..... 360 to 540 days

The overall schedule will take approximately twenty-one (21) to thirty (30) months from the Notice to Proceed to completion of the project. Through the Project period, Alliance Consulting Engineers, Inc. will provide continuous, phased feedback through bi-weekly conference calls with Effingham County, and other stakeholders included as needed, and routine emails on separate parts of the WWTP Design and Construction Management, particularly for items affecting cost and schedule, as these are critical and time-sensitive components needed for growth. Alliance Consulting Engineers, Inc. believes in keeping the client engaged at every step through the course of the Project to ensure that key objectives and decisions are being made as a team to the greatest benefit of the client.

SCOPE OF SERVICES

Alliance Consulting Engineers, Inc. proposes the following Scope of Services for the WWTP Design and Construction Management for Effingham County:

Boundary, Existing Conditions, and Topographic Survey

Alliance Consulting Engineers, Inc. will complete a Boundary, Existing Conditions, and Topographic Survey of the 2-MGD WWTP adjacent to Effingham County’s existing WWTP. The Topographic Survey will be provided in NAVD 83 State Plane coordinates and shown with one (1)-foot contours. A permanent benchmark with horizontal and vertical coordinates will be provided. The Boundary and Existing Conditions Survey will define constraints for the 2-MGD WWTP Layout and Design.

Geotechnical Subsurface Exploration (including Foundation Design)

Alliance Consulting Engineers, Inc. will complete a Geotechnical Subsurface Exploration including Foundation Design for the 2-MGD WWTP. The Geotechnical Subsurface Exploration will encompass the limits of the potential WWTP footprint to evaluate the general subsurface conditions, estimate groundwater depth, evaluate backfill suitability, and develop

Ms. Alison Bruton, Purchasing Technician
Effingham County Purchasing Department
May 26, 2022 – Page 3 of 6

geotechnical engineering opinions and recommendations for site grading, pavement design, and construction as they relate to foundations for the WWTP components.

Twenty (20) borings are planned for the WWTP area to a total depth of twenty (20) feet below ground surface. One (1) bulk sample will be collected from the upper five (5) feet of a select boring and evaluated in a lab for percent fines, Atterberg limits, standard Proctor, and a California Bearing Ratio (CBR) test. All borings will be backfilled with auger cuttings upon completion.

A final Geotechnical Subsurface Exploration Report will be provided summarizing the field exploration procedures and laboratory test program, site and subsurface conditions, boring logs and location plan, laboratory data, groundwater measurements, seismic site classification and design parameters, site preparation and recommendations, and foundation design recommendations.

Environmental Review

Alliance Consulting Engineers, Inc. will complete a Jurisdictional Wetlands Delineation and United States Army Corps of Engineers (USACE) Verification for the proposed 2-MGD WWTP. This Jurisdictional Wetlands Delineation will consist of assessment and documentation of site conditions to determine the presence and/or absence of Wetlands areas, utilizing the three (3) parameter approach outlined in the 1987 USACE Wetlands Delineation Manual. Should any areas of the proposed site be classified as jurisdictional waters then the boundaries will be marked illustrated in a Wetlands Exhibit.

Upon completion of the Jurisdictional Wetlands Delineation, a request for an Approved Jurisdictional Determination (AJD) Application will be submitted to the USACE. The AJD Application will include a map of the estimated Waters of the US, data forms documenting the physical characteristics of sample points as to the presence or absence of the three (3) wetland components, and AJD basis forms documenting the physical characteristics of on-site streams/tributaries. The Request for AJD for the 2-MGD WWTP will be sent to the local USACE Office. Upon confirmation of the delineated jurisdictional boundaries, the USACE will provide a final AJD letter.

Concept Design

Alliance Consulting Engineers, Inc. will review Effingham County's proposed Effluent Limits for the proposed 2-MGD WWTP, the available footprint for the WWTP, operational preferences of Effingham County's Contract Operator in order to select the most efficient and cost-effective method for Effingham County's proposed 2-MGD WWTP. Alliance Consulting Engineers, Inc. will present feasible treatment options to Effingham County and will work with the County to determine the selected alternative.

Preliminary Design

Upon Effingham County's approval of the selected Concept Design alternative, Alliance Consulting Engineers, Inc. will prepare a Preliminary Design for the 2-MGD WWTP, including:

Ms. Alison Bruton, Purchasing Technician
Effingham County Purchasing Department
May 26, 2022 – Page 4 of 6

- Preliminary Process and Instrumentation (P&ID) Diagram
- Preliminary Equipment Selection and Sizing
- General Layout Arrangement Drawing
- Preliminary Structural Design
- Preliminary Piping Design
- Preliminary Electrical Design

As a part of the Preliminary Design phase, Alliance Consulting Engineers, Inc. will conduct up to three (3) site visits and meetings for review of existing project conditions and provide preliminary design and cost estimate to be reviewed by Effingham County.

Final Design (including Structural Design and Specifications)

Upon Effingham County's approval of the Preliminary Design, Alliance Consulting Engineers, Inc. will complete Final Design that includes a complete set of Construction Plans along with Design Details and Technical Specifications to include:

- General Drawings
- Civil Drawings
- Mechanical Drawings
- Structural Drawings
- Electrical Drawings

The Technical Specifications will be in the Construction Specifications Institute (CSI) format. Alliance Consulting Engineers, Inc. will prepare up to one (1) Construction Cost Opinion based on the equipment and materials included in the Final Design and Construction Plans.

Permitting

Alliance Consulting Engineers, Inc. will identify and prepare necessary permits and applications to satisfy Local, State, and Federal requirements for design and construction of the project. Required documents will be prepared and submitted to Effingham County for execution, with Effingham County paying cost of permits.

Bidding Documents

Alliance Consulting Engineers, Inc. will prepare Construction Documents, including plans and specifications necessary for contractor bidding of the project and assist in preparing a project advertisement and the distribution of Bid Documents. The Bid Documents will be prepared in CSI format.

Construction Procurement

Alliance Consulting Engineers, Inc. will schedule and attend a Pre-Bid Meeting (if required by Effingham County) and prepare addenda to respond to bidder questions, attend the Bid Opening Meeting, compare and certify Bids received, and recommend award of the project.

Ms. Alison Bruton, Purchasing Technician
Effingham County Purchasing Department
May 26, 2022 – Page 5 of 6

Construction Administration and Construction Observation (CACO) Services

After Effingham County has awarded a construction contract to a Contractor, Alliance Consulting Engineers, Inc. will prepare the Contract Documents, including the review of the contractor's bonds and insurance coverage for conformance to the project specifications. Upon authorization by Effingham County, Alliance Consulting Engineers, Inc. will coordinate the execution of the contract between the selected contractor and Effingham County. Alliance Consulting Engineers, Inc. will conduct the project Pre-Construction Conference and issue the Notices to Proceed. Alliance Consulting Engineers, Inc. will review the contractor's submitted Shop Drawings, Project Schedule(s) and Public Communication Plan.

Alliance Consulting Engineers, Inc. will provide Construction Administration and Construction Observation Services for up to twelve (12) to eighteen (18) months of the project to ensure that construction is proceeding in accordance with the approved and permitted Construction Drawings. In addition to those services mentioned above, Alliance Consulting Engineers, Inc. will review Contractor Requests for Information (RFI), review monthly Pay Application reviews, attend Monthly Progress Meetings with the Contractor and Effingham County, and perform weekly Site Observation Visits with the Contractor. As construction continues, Alliance Consulting Engineers, Inc. will disapprove or reject the contractor's work while it is in progress if the engineer believes that such work will not produce a completed project conforming to the Contract Documents or that it will compromise the integrity of the design.

In addition to the weekly Site Observation Visits, Alliance Consulting Engineers, Inc. will provide the Certified Erosion Prevention and Sediment Control Inspection (CEPSCI) as required by GA EPD. Alliance Consulting Engineers, Inc. will provide weekly Site Observation Reports and CEPSCI Reports for the Project. These weekly reports will be distributed through a weekly email to Effingham County and other project stakeholders that will include a written description and photographs of the current Construction progress and provide an update of progress related to the proposed Construction Schedule and Contract Times. In addition, Alliance Consulting Engineers, Inc. has drone capabilities in order to capture aerial photos or video of the construction progress to share with the project stakeholders and citizens. This along with the monthly progress meetings and constant communication amongst the Contractor on the project will help Effingham County to ensure that construction is completed within eighteen (18) months.

As construction approaches completion, Alliance Consulting Engineers, Inc. will receive, review, and transmit to Effingham County the contractor's Completion Documents, which include Operating and Maintenance instructions, schedules, and guarantees; bonds, certificates, or other evidence of insurance not previously submitted and required by the Contract Documents; certificates of inspection, tests and approvals; Shop Drawings; and the annotated record documents which are to be assembled by the Contractor in accordance with the Contract Documents to obtain final payment.

Promptly after notice from the contractor that the constructed project is ready for its intended use, Alliance Consulting Engineers, Inc. personnel, accompanied by Effingham County and the

Ms. Alison Bruton, Purchasing Technician
Effingham County Purchasing Department
May 26, 2022 – Page 6 of 6

Contractor, will conduct a final site review to ascertain if the work is “substantially complete”. If after considering any comments of Effingham County, the Engineer considers the work “substantially complete”, Alliance Consulting Engineers, Inc. will deliver a Certificate of Substantial Completion to Effingham County and the Contractor. At this time Alliance Consulting Engineers, Inc. will conduct a final payment inspection to determine if the completed project of the contractor is acceptable so that the engineer may recommend, in writing, final payment.

Start-Up Assistance

Alliance Consulting Engineers, Inc. will complete the preparation of the Record Drawing submittal package to Effingham County within two (2) weeks of receipt of the annotated Construction Drawings and the receipt of satisfactory system testing conducted by the Contractor for all equipment within the WWTP. Once approved by Effingham County, Alliance Consulting Engineers, Inc. will submit to GA EPD a certification package for the Final Approval to Place into Operation for the WWTP. Alliance Consulting Engineers, Inc. will attend a final WWTP site visit with GA EPD, prior to the issuance of the Approval to Operate.

In addition, Alliance Consulting Engineers, Inc. will provide assistance for the start-up of the WWTP in conjunction with Effingham County, its Contract Operator, and the Contractor to ensure that the operation of the WWTP and optimized and meeting the intended limits of the effluent.

COMPENSATION

Compensation for the completion of the WWTP Design and Construction Management for Effingham County is \$1,800,000, as noted below:

- Due Diligence (including Surveying, Geotechnical Subsurface Exploration, and Environmental Review)\$ 140,000
- Concept Design (concurrent with Due Diligence).....\$ 30,000
- Preliminary Design\$ 240,000
- Final Design and Specifications\$ 500,000
- Permitting and Bidding Documents.....\$ 50,000
- Construction Procurement\$ 40,000
- Construction Contract Administration, Construction Observation, and Start-Up Assistance.....\$ 800,000

This includes manhours of approximately 10,000 hours over the course of the Project based on the rates provided in Alliance Consulting Engineers, Inc.’s Indefinite Delivery Contract (IDC).

RFP No. 22-105-006 - WWTP Design and Construction Management

ATTACHMENT A

COST NOT TO EXCEED FEE PROPOSAL

surveying, concept design, preliminary design, final design, permitting, environmental, geotechnical, structural, specifications, bidding documents, construction procurement, construction contract administration, construction observation, construction inspection, and start-up assistance

CONCEPT DESIGN PHASE (Survey, concept and preliminary design, geotechnical)

\$ 170,000

DESIGN AND CONSTRUCTION COST ESTIMATES PHASE (permitting, structural, specifications,

Bid Documents \$ 790,000

CONSTRUCTION PHASE (Procurement Contract Administration, Construction Observation, Inspection, and start-up assistance) \$ 840,000

TOTAL FEE NOT TO EXCEED \$ 1,800,000

Proposing Company Contact Information:

Company Name:	ALLIANCE CONSULTING ENGINEERS, INC.	
Billing Address:	POST OFFICE BOX 8147 COLUMBIA, SC 29202	Telephone: (803) 779-2078
Service Address:	23 PLANTATION PARK DR, STE 204 BLUFFTON, SC 29910	Telephone: (843) 757-5959
Representative Name:	ADAM HOGAN, PE	
Representative Contact Address:	124 VERDAE BOULEVARD, STE 505 GREENVILLE, SC 29607	Telephone: (864) 508-0110 E-Mail: AHOGAN@ALLIANCECE.COM

It is agreed by the undersigned offeror that the signature and submission of this proposal represents the vendor's acceptance of all terms, conditions and requirements of specifications and, if awarded, the proposal will become part of the contract agreement between the parties.

Signed: (sign manually, in ink) Adam Hogan
(Signature of Authorized Representative of the Company)

Name Printed: ADAM HOGAN, PE Title: REGIONAL MANAGER Date: 5/26/22

RFP No. 22-105-006 - WWTP Design and Construction Management

EXCEPTION SHEET

If Commodity(s) and/or Service proposed in quote is in ANYWAY different from that contained in this proposal, the Bidder is responsible for clearly identifying all such differences in the space below. Otherwise, it will be assumed that the Bidder's offer is in total compliance with all aspects of the proposal.

Below are the only differences between my offer and the County's proposal:

N/A

Adams Hoga
Signature

5/26/22
Date

Addendum No.1
RFP 22-105-006 – WWTP Design and CM

SUPPLEMENTAL INFORMATION
ADDENDUM NO. 1

PROJECT: RFP 22-105-006 – WWTP Design and CM
CONTACT: Alison Bruton, Purchasing Agent
912-754-2159 abruton@clffinghamcounty.org
DATE ISSUED: May 19, 2022

RFP 22-105-006 – WWTP Design and CM is hereby amended as noted herein : BIDDER TO ACKNOWLEDGE RECEIPT OF ADDENDUM BY SIGNING ON THE SIGNATURE LINE BELOW AND INCLUDING A COPY WITH SUBMITTED BID. FAILURE TO DO SO MAY, AT THE OWNER’S DISCRETION, SUBJECT THE BIDDER TO DISQUALIFICATION

- 1) QUESTION: Is the geotechnical report from the existing WWTP available?
ANSWER: No.
- 2) QUESTION: Are record drawings for the existing WWTP available?
ANSWER: The County has both electronic and hard copies of old plans that will be made available to the selected vendor. The hard copies are being scanned at this time.
- 3) QUESTION: Is there a budget for the project?
ANSWER: No.
- 4) QUESTION: Will the existing WWTP remain in service or be decommissioned?
ANSWER: Yes, it will remain in service during and after construction of the new plant.
- 5) QUESTION: Are there specific treatment limits required beyond GA reuse quality standards?
ANSWER: The County’s existing permit is available on the GA-EPD website, which outlines our treatment requirements. The County is currently pursuing a surface discharge to supplement our LAS but the WLA has not been established at this time.
- 6) QUESTION: Will the County consider alternative forms of project delivery other than Design-Bid-Build? For example, can a team propose a Design-Build-Own-Operate, Design-Build-Finance-Operate-Transfer, or Design-Build-Lease proposal?
ANSWER: The County has requested a traditional project delivery method due to familiarity with the process and structure of the IDC contract. The County will consider alternative forms but cannot guarantee anything other than the Design-Bid-Build method will be deemed acceptable by the Board of Commissioners. Therefore, all vendors are encouraged to submit a Design-Bid-Build proposal at a minimum and are welcome to submit an alternative proposal for consideration.

Addendum No.1
RFP 22-105-006 – WWTP Design and CM

All other terms and conditions in RFP 22-105-006 remain unchanged.

Effingham County reserves the right to reject any and all proposals, to waive any technicalities or irregularities and to award the offer based upon the most responsive, responsible submission.

Please sign receipt of this Addendum No. 1 below:

ADAM HOGAN, PE
Print Name

Adam Hogan
Signature

5/26/22
Date

END OF ADDENDUM NO. 1