

Council Member _____ introduced the following Resolution, which was seconded by Council Member _____.



RESOLUTION 042423-A

A RESOLUTION TO ENTER INTO A CONTRACTUAL AGREEMENT WITH ENGINEERS OF THE SOUTH FOR SOLIDS HANDLING BUILDING IMPROVEMENTS FOR THE WASTE WATER TREATMENT PLANT

WHEREAS, the Mayor and City Council of the City of Alabaster, Alabama, have determined that it is both wise and expedient to enter into said contractual agreement with **Engineers of the South** for **Solids Handling Building Improvements** for the city’s Waste Water Treatment Plant; and

WHEREAS, the project consists of improving the existing solids handling equipment at the existing Alabaster Wastewater Treatment Plant (WWTP) to improve the reliability, capacity and efficiency of the solids handling process operations as well as improvements to the existing metal building, and

WHEREAS, the amount of this service agreement will not to exceed **\$253,500**. This has been approved as part of the City’s 2023 Capital Improvement Plan for Environmental Services, and

WHEREAS, the project improvements will generally include:

- Expansion of the existing metal building to include a restroom, storage and electrical room.
- The interior renovation of the existing metal building. Note that we will review the cost effectiveness of renovation verses new building.
- Addition of one (1) new 2.0 meter belt filter press with a dedicated polymer feed system.
- Two (2) new WAS Feed pumps – type / brand to be determined during design – add revised WAS Feed piping.
- Provide dedicated polymer feed area with storage for totes.
- Existing overhead doors to remain but new electric motors to be considered.
- All new electrical within building.
- Providing termination to the Owner provided SCADA system. Type of termination (fiber optic, CAT6 or discreet) shall be discussed during design. All SCADA improvements are excluded from this proposal and shall be provided by the Owner separate from this proposal.

NOW THEREFORE, BE IT RESOLVED, AS FOLLOWS:

1. The City Council authorizes the Mayor to enter into an agreement with Engineers of the South for the Solids Handling Building Improvements at a cost not to exceed \$253,500.
2. That the City Clerk is authorized and directed to attest any related, and necessary documents on behalf of the City for said purchases.

	Y / N		Y / N
Sophie Martin	_____	Jamie Cole	_____
Rick Ellis	_____	Zach Zahariadis	_____
Stacy Rakestraw	_____	Kerri Pate	_____
Greg Farrell	_____		

ADOPTED AND APPROVED THIS 24TH DAY OF APRIL 2023.

ATTEST:

CITY OF ALABASTER

J. Mark Frey, City Clerk

Sophie Martin, Council President

APPROVED:

Scott Brakefield, Mayor



April 5, 2023

Mr. Fred Hawkins, PE
Director of Building, Engineering & Environmental Services
1953 Municipal Way
Alabaster, AL 35007

Re: Alabaster WWTP – Solids Handling Building Improvements

Dear Fred:

Engineers of the South, LLC (EOS) is pleased to provide the City of Alabaster with this proposal for engineering services. This project consists of improving the existing solids handling equipment at the existing Alabaster Wastewater Treatment Plant (WWTP). This project will improve the reliability, capacity and efficiency of the solids handling process operations as well as improvements to the existing metal building.

The City selected Concept #2 from the preliminary report and the project improvements will generally include:

- Expansion of the existing metal building to include a restroom, storage and electrical room.
- The interior renovation of the existing metal building. Note that we will review the cost effectiveness of renovation versus new building.
- Addition of one (1) new 2.0 meter belt filter press with a dedicated polymer feed system.
- Two (2) new WAS Feed pumps – type / brand to be determined during design – add revised WAS Feed piping.
- Provide dedicated polymer feed area with storage for totes.
- Existing overhead doors to remain but new electric motors to be considered.
- All new electrical within building.
- Providing termination to the Owner provided SCADA system. Type of termination (fiber optic, CAT6 or discreet) shall be discussed during design. All SCADA improvements are excluded from this proposal and shall be provided by the Owner separate from this proposal.

This proposal specifically excludes:

- Architectural design – including but not limited to Life Safety Plans, Code Review Plans, etc.
- Raising the finished floor elevation of the existing building.
- Electrical improvements beyond the existing building.
- SCADA improvements of any kind. All SCADA improvements shall be by Owner.
- FEMA or US Corps of Engineers permitting for Flood Plain related issues.
- Permitting.
- Environmental review.
- Structural review of existing structures / buildings.

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Based on the preliminary concepts provided, the preliminary construction cost estimate for this project is \$2.3 million. In general, the proposed project includes the following (complete scope located in Attachment A):

- The Preliminary Phase (excludes surveying as the City provided a whole site survey) is hourly engineering time to:
 - Visit additional example belt filter press and WAS Feed Pump installations with City Personnel (if desired).
 - Review manufacturer proposals (BDP), coordinate changes to proposal and to select and size the specific equipment selected.
 - Review the existing electrical infrastructure to ensure adequate capacity for new equipment.
 - Coordinate the design with the existing and conceptual future downstream unit processes.
- The Design Phase will produce a complete set of Contract Documents, Plans, and Specifications ready to bid.
- The Bidding Phase includes advertising, Pre-Bid Meeting, answering questions, producing Addenda as required, Bid Opening, and Recommendation of Award.
- The Construction Phase includes the Pre-Construction Conference, part-time construction observation (estimated at half of construction time), concrete testing, submittal review, monthly pay request review, change orders as required, and record drawings upon completion.

Proposed compensation:

• Preliminary Phase	Hourly NTE:	\$ 12,500.00	Time: 60 days
• Design Phase	Lump Sum:	\$159,000.00	Time: 150 days
• Bidding & Construction Phases	Hourly NTE:	\$ 79,500.00	
• Construction Survey Stakeout	Hourly NTE:	\$ 2,500.00	
	Project Total:	\$253,500.00 (maximum)	

We are available to begin work immediately and appreciate this opportunity to assist the City of Alabaster. If you have any questions concerning this proposal, please call me at our Pelham office or on my cell phone at (205) 516-0816.

Sincerely,
Engineers of the South, LLC



Greg Thompson, PE
Project Manager

- Attachments:
- A – Scope / Typical Types of Engineering Services
 - B – Schedule of Rates and Fees
 - C – Articles of Employment

www.ENGINEERSOFTHESOUTH.com
208 OAK MOUNTAIN CIRCLE • PELHAM, AL 35124 • 205.327.9140

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CC: File: X:\EOS Projects\Alabaster\AL-2202 - WWTP Solids Handling\Proposal\AL-2202 Solids Handling Proposal (2023-04-05).docx

Acceptance of Proposal:
City of Alabaster

Signature _____

Date: _____