



Request for Qualifications Architecture and Design Services

The Shelby County Commission provides services to residents of Shelby County through various operational units. One of these operating units include an adult jail. The existing jail facility was constructed in 2003. With Shelby County's growing population over the last 20 years so has our inmate population at our jail facility. This has resulted in the need for increased housing capacity at our existing jail. We are currently in search of a geotechnical engineering firm to perform the required geotechnical engineering services required for this project.

The project will include the construction of approximately 45,000 square feet of expansion area utilizing the same construction methodology as the existing structure. The proposed construction will consist of constructing one of the additional housing units that was included in the future "build out" portion of the original construction plans. This unit includes double cells on 2 levels with approximately 224 general population beds and 12 segregation beds with 16 bed and 32 bed pods. The project construction will also include a connecting node as planned on the original overall design that will include the segregation beds and mental health clinician space. Utility infrastructure for this "build out" was installed during original construction of the existing facility. The selected consultant will provide geotechnical services required to provide a report with information and recommendations necessary to design the project.

Site Description

The site is located at 380 McDow Road, Columbiana AL 35051. The project site is located on the east side of the existing housing unit. Utility facilities (electrical, water, gas and sewer) are nearby and connection points were installed for this planned expansion during original construction. Field investigation will be required to confirm and document their exact existing locations. Additional site information will be provided as needed.

Design Criteria and Scope of Work

The proposed project will address the adult incarceration needs of the County. Building design standards will be applied as follows:

- Architectural style and design should be commensurate with the existing structure;
- All mechanical or utility equipment shall be consistent with the existing facility;
- The report, plans and specifications provided shall comply with all applicable design codes and standards.
- Consultant shall provide a full industry standard geotechnical report specific to the project, complete with foundation recommendations will need to be provided. Geotechnical services shall include, but not be limited to, complete soil borings and testing per notes below. The Geotechnical Engineer shall provide the following:
 - Borings as required for compressive geotechnical report and recommendations.
 - Recommended foundation types.

- Building subgrade undercut and fill compaction recommendations.
- Slab on grade design parameters.
- For shallow foundations (if applicable): allowable bearing pressures, friction coefficients and soil stiffness.
- For deep foundations (If applicable): compression and tension capacities, lateral capacity, bending moments and vertical stiffness.
- Recommendations for alternate foundation systems (aggregate piers/others) if applicable.
- Lateral earth pressures on retaining and/or subgrade walls for earth at rest, active, and passive.
- Lateral earth pressures on retaining and/or subgrade walls due to seismic loads. (If applicable)
- Lateral earth pressure design pressure profiles for retaining and/or subgrade walls including effects of water table.
- Friction Coefficients (please specify the factor of safety if it is included in the friction coefficient value).
- Typical soil density and permeability.
- Frost depth for the site.
- Subsurface compositions to include locations and compositions of bearing strata and bedrock.
- Suitability of excavated material to be used as structural fill or backfill to retaining structures.
- Level of water table and dewatering requirements for the site.
- Recommendations for drainage systems on the underside of slabs and back of retaining walls.
- Seismic design criteria including Site Class and Maximum Considered Earthquake (MCE) spectral response accelerations S_s and S_1 .
- Testing requirements for foundation elements, including if applicable, appropriate pile, pier and/or caisson tests.
- Recommendations for construction means and methods for foundation and retaining systems used in the project.
- Backfill recommendations and compaction
- Pavement and parking area pavement subgrade requirements
- Specification recommendations for deep foundations, if applicable.
- Additional recommendations as deemed necessary for proper design and installation of foundation elements
- **Notes on Structural Borings:**
- Depth of structural borings to be determined by Geotech, deep foundation requirements and depth to bedrock shall be considered.
- Geotech shall provide commentary on the boring layout prior to proceeding with boring work. Actual structural boring locations shall be coordinated with the proposed structure's likely footprint once identified and verified prior to commencing boring work.
- Coordinate with all utility providers prior to commencing any boring operations
- Varying environmental conditions should be considered as part of a Health and Safety Plan.

Evaluation Criteria

At the conclusion of this proposal process, Shelby County intends to engage a qualified consultant capable of performing all of the services required to successfully complete the scope of services described. The County is most interested in proposals from firms with similar design experience, an understanding of cost efficient design. Selections will be based on the completeness of proposals and on the responses that demonstrate the best combination of experience, expertise, understanding of the project objectives, and approach. Proposals will be evaluated based on responses to the following criteria:

- Staff Structure – The proposal demonstrates the Consultant’s ability to provide a team that has the capacity to successfully implement the project. The respondent is required to specifically name their team members/firms that they plan to utilize for all components of the project if selected.
- Experience – The proposal clearly demonstrates that the Consultant has the relevant experience and expertise to provide the range of services identified in the RFP to successfully develop and execute the project. At a minimum, these services should include five or more years of experience performing the type of work required in this request. Submitted materials should demonstrate that the Consultant has the capability and experience to deliver projects that meet the objectives of the RFP in a timely and cost efficient manner.
- Project Understanding – The proposal should demonstrate that the Consultant understands the project scope.
- Preference may be given to Consultants having a business location within Shelby County and/or the State of Alabama as allowed by 2 CFR 200.319.
- All necessary steps will be taken to ensure that DBE firms are used when possible per 2 CFR 200.321 guidelines and requirements.
- Consultant must agree that it is not engaged in, nor will engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade with.
- References – References will be provided by the Consultant and the applicable project team members.

Submittals

Proposal must be complete to be considered and can emailed to trey@shelbyal.com or submitted to:

Shelby County Department of Facilities and General Services
ATTN: Trey Gauntt
280 McDow Road
Columbiana, AL 35051

Proposals must be received no later than 4:30 p.m. CDT on May 9, 2022. The proposals will be date and time stamped upon receipt. All inquiries and requests for clarification must be submitted in writing and a written response will be provided in return. If you have any questions, please email Trey Gauntt at trey@shelbyal.com.