REQUEST FOR QUALIFICATIONS
ABERDEEN SCHOOL DISTRICT No. 5
FOR GEOTECHNICAL ENGINEERING, STRUCTURAL ENGINEERING, CIVIL ENGINEERING, AND ARCHITECTURAL SERVICES for
Harbor Learning Center
AJ West Elementary
Stevens Elementary
Miller Junior High
OSPI SCHOOL SEISMIC SAFETY GRANT – PHASE I PLANNING
SUBMITTAL DUE DATE: JANUARY 5, 2024, 3:00 p.m.

Project(s) Summary

The Aberdeen School District is seeking qualifications from Geotechnical, Structural, Civil and Architectural consulting services to support Phase One requirements of their recently awarded OSPI School Seismic Phase I Planning Grant. Initial Phase I scopes of work may include geotechnical analysis, structural assessment and review, as well as civil and architectural site services including site surveys, and master planning at each campus location for the listed schools. Future phases if approved may include professional services throughout the design and construction process for potential seismic retrofits, vertical evacuation structures, and/or new construction.

Project Award

Consulting agreements may be awarded to the firm(s) offering the best qualifications and local experience as judged by the Aberdeen School District selection committee. The award(s) may be made without interview. Selection committee questions may be asked of submitting firms via e-mail no later than December 22, 2023. The ASD anticipates award of these consulting agreements by the end of January 2024.

Professional Services Required for Phase I Planning Grant

The following professional Architectural and Engineering Services may be required for the projects listed above.

Geotechnical Investigations

The geotechnical investigation shall perform site exploration to characterize the site soil and groundwater conditions and evaluate the potential geologic and seismic hazards at the site. Based on the information from the site exploration and results of the geologic and seismic hazards identified at the site, geotechnical engineering analyses should be completed to develop the geotechnical seismic design criteria and geotechnical foundation recommendations for use in the seismic retrofit design of the school building(s). the firm selected will be expected to perform all aspects of the work during the coastal winter weather. The selected firm will be required at their expense to ensure all utility locates are in place prior to boring activities. This includes but is not limited to engaging a private locating service. The scope for the geotechnical investigation and engineering services should meet the following requirements for each site:

1. Complete a minimum of two borings or cone penetration tests (CPTs) to characterize subsurface soil and groundwater conditions. The borings or CPTs should be deep enough to identify the depth to the firm and competent soils. More borings or CPTs may be required to capture the soil variability across the building footprint.
2. If borings are completed, perform laboratory testing using the soil samples collected to determine soil parameters for use in the geotechnical engineering analyses. Laboratory tests should include

moisture content, plasticity index for fine grained soils and grain size analyses for coarse grained soils.

3. Determine the site class per ASCE 7 Section 20.1 based on the site-specific exploration data and laboratory test results.
4. Determine design response spectra per ASCE 41 Section 2.4 and ASCE 7 Section 11.4.
5. Perform geotechnical engineering analyses to assess the effects of all the geologic and seismic hazards identified at the site including slope instability, liquefaction, ground settlements and ground surface displacements under the design earthquake event.
6. Perform geotechnical analyses to develop geotechnical foundation design recommendations per ASCE 7 Section 12.13. Shallow foundation design recommendations should include soil bearing capacities, soil total and differential settlements, base friction, and passive resistance. Deep foundation design recommendations should include axial pile capacities, lateral pile capacities, pile settlement and the associated axial downdrag and lateral kinematic loads induced by ground deformations, as appropriate.
7. Perform preliminary ground improvement design analysis to develop conceptual design of the appropriate ground improvement methods that need to be incorporated to mitigate the effects of the geologic and seismic hazards at the site.
8. Prepare a draft geotechnical engineering report summarizing the results of the geotechnical engineering investigations, including descriptions of surface and subsurface conditions, seismic design criteria, and geotechnical foundation recommendations.
9. Incorporate review comments by the project team and finalize the geotechnical engineering report.

Structural Services

1. Study and analysis of the site location; analysis of federal, state and local code and legal requirements; per ASCE 7 identification of seismic design category; per IBC Risk Categories determination of natural hazard design loads based on the risk associated with unacceptable performance due to the nature of the school occupancy.

2. Although application of ASCE 7-16 provides a consistent approach to designing in response to all natural hazards (including high winds, flooding, earthquakes, tsunamis), Chapter 6 (Tsunami Loads and Effects) is currently applicable to new construction of schools or buildings intended for large public assembly; nevertheless, the site and existing building seismic improvement design is expected to be evaluated for tsunami inundation impacts in addition to the need for structural resistance to an earthquake prior to onset of a potential tsunami.

3. Consultation with School District representatives; preparing early probable cost models of direct construction costs.

4. Review and consult with Geotechnical Engineer on results of subsurface soils investigation. Confirm site seismic parameters, develop alternatives for foundation systems consistent with the geotechnical recommendations.

5. Develop draft brief of potential seismic reinforcement upgrades in existing School buildings.

6. Related services as required by the School District and all building code and land use regulatory agencies.

7. Firm shall carry and plan to maintain a minimum of $1,000,000 professional liability insurance coverage.

8. Schedule Compliance: Engineering firms and their consultants shall be capable of meeting the Project Schedule. Firm and consultants shall have resources available to begin and complete each phase of the work.

Civil Engineer Services

1. Study and analysis of the site location(s) which may include a land survey, and master planning efforts in coordination with the selected Architect.

2. Consultation with School District representatives; preparing early probable cost models of direct construction costs.

3. Related services as required by the School District and all building code and land use regulatory agencies.

4. Schedule Compliance: Engineering firms and their consultants shall be capable of meeting the Project Schedule. Firm and consultants shall have resources available to begin and complete each phase of the work.

Architectural Services

1. Master planning efforts in coordination with the selected engineers.

2. Consultation with School District representatives; preparing early probable cost models of direct construction costs.

3. Related services as required by the School District and all building code and land use regulatory agencies.

4. Schedule Compliance: firms and their consultants shall be capable of meeting the Project Schedule. Firm and consultants shall have resources available to begin and complete each phase of the work.

Project Award

A consulting agreement will be awarded with the firm(s) offering the best qualifications and experience as judged by the Aberdeen School District Selection Committee.

In depth review and evaluation of final candidates will be conducted by the Aberdeen School District Selection Committee. This evaluation may include, but not be limited to, review of references, review of past projects, past project visitations, interviews, and review of additional requests for information sent to final candidates. Selection committee questions may be asked of submitting firms via e-mail or phone and/or video conference during the selection committee review process.

Upon completion of the professional consulting services evaluation process, the Aberdeen School District may recommend the top candidates to the Board of Directors for further review and final contract approval.

The School District anticipates award of the work in January of 2024, and anticipates the work to proceed immediately upon award.

The School District shall have the right to modify the selection process; waive any informality and irregularity; select without interview, and/or make a selection, which in its judgment, is in its own best interest.

Other Information

Scope of work is anticipated to occur in two phases:

Phase 1: Geotechnical Services: A preliminary field exploratory review/analysis.

Structural Services: Review of geotechnical engineering findings with seismic retrofit recommendations and associated construction costs.

Civil Engineer Services: Possible site survey, assessments and master planning in support of the Seismic Grant work in coordination with the Architect. Participation in coordination and review meetings.

Architectural Services: Master Planning studies, potential cost estimating, and assessments in support of the Seismic Grant work. Participation in coordination and review meetings.

Phase 2: Geotechnical Services: If the project is approved to move forward to the next phase, the selected firm may be asked to amend the contract to include geotechnical services throughout the design process to include the potential for a second exploration, analysis, reporting, and consultation following basis of design development.

Structural Services: If the project is approved to move forward to the next phase, the selected firm may be asked to amend contract to include professional services throughout the design and construction process working with selected architect.

Civil Engineer Services: If the project is approved to move forward to the next phase, the selected firm may be asked to amend the contract to include professional services throughout the design and construction process working with selected architect.

Architectural Services: If the project is approved to move forward to the next phase, the selected firm may be asked to amend the contract to include professional services throughout the design, construction and closeout process as the prime consultant.

Qualification Submittal Requirements

All individuals and firms, including minority and women-owned firms, who are lawfully engaged in the practice of engineering under Chapter 18 of the RCW are encouraged to apply. Professional firms and individuals interested in providing services as described above to the School District must:

- Submit an electronic document via e-mail only indicating previous K12 experience, including work related to seismic retrofit design, seismic hazard analysis, tsunami resistant design, master planning, and project management experience. A firm's Statement of Qualifications shall be limited to twelve (12), single sided, or six (6) printed on both sides 8 1/2 x 11-inch sheets. All Qualifications shall be submitted no later than **January 5, 2024 3:00PM PT to:**

Michael Pauley
mpauley@asd5.org

Andrew Twyman
andrew.twyman@ esd112.org

Amber Diel
adiel@asd5.org

Documents received after the designated date and time will not be considered.

Each submittal must include:

1. A letter of introduction. Please include the firm's strategy in how you will provide outstanding project coordination and communications with the Aberdeen School District and its representatives.

2. A listing of your experience with performing services for public works projects specifically those involving K-12 school sites.

3. An organizational chart and summary resumes of key personnel and/or consultants assigned to the project including the project manager

4. Examples of three previous projects and current client names with contact information for the projects cited. No limitation on years since completion. The District is particularly interested in the breadth and depth of the firm's successful experience with challenging seismic renovation projects in higher risk-seismic hazard areas in the Pacific Northwest.

5. Provide a list of immediate "must haves" from the Owner to enhance project delivery and timelines.

6. Describe attributes that distinguish your firm from other firms offering similar services and how selecting your firm will specifically benefit the Aberdeen School District.

Submittal evaluation by the selection committee will involve an equal weighted ranking of the following criteria:

1. Review of each of the six (6) items noted above in submittal requirements.

2. Demonstrated experience working with school district project design, planning and construction that requires on time and on budget deliverables.

Questions

All questions and requests for information pertaining to this project are asked to be directed in writing to Andy Twyman, ESD 112 Construction Services Group andrew.twyman@esd112.org.

The district reserves the right to reject any qualifications not in compliance with all prescribed public procedures and requirements and to waive informalities in this qualification's response process.

End of Request for Qualifications