

Weld Re-5J School District

Request for Qualifications / Proposal for Geotechnical Subsurface Exploration Services and Construction Observation/Material Testing



Weld Re-5J School District
2020-24 Capital Construction Program
110 Centennial Drive, Unit A
Milliken, CO 80543

Owner's Representative:

RLH engineering, inc.

Project Management & Environmental Consulting

601 Gyrfalcon Court, Unit A

Windsor, Colorado 80550

970-686-5695

970-686-5696 fax

**Request for Proposal/Qualifications for Geotechnical Engineering Services issued by
Weld RE-5J School District**

The purpose of this Request for Proposal/Qualifications is to obtain qualifications, capabilities, and a pricing structure from qualified firms interested in providing Geotechnical Subsurface Exploration and Construction Observation/Materials Testing to Weld Re-5J School District.

All questions should be made in writing and addressed to the Owner's Representative for the District:

RLH Engineering, Inc.
Matt Little
601 Gyrfalcon Ct, Unit A
Windsor, CO 80550
970-686-5695
970-686-5696 fax
mlittle@rlhengineering.com

Qualification statements and proposals, submitted as one electronic copy (pdf format), is due no later than **4:30pm on December 31, 2020** at the email noted above. It is the responsibility of the firm to ensure the proposals are received prior to the deadline. Submittals received after the above date and time will not be considered.

Questions about the RFP/Q and process shall be provided in writing to mlittle@rlhengineering.com.

Project Description and Locations

Weld County Re-5J School District is a rural school district in northern Colorado, located in both Weld and Larimer counties. Our schools serve approximately 3,800 students in the towns of Johnstown and Milliken, and also include small portions of the town of Berthoud and the city of Greeley.

Weld County Re-5J School District places a strong emphasis on educating the whole child and inspiring our students to be lifelong learners. From kindergarten through high school, our students are empowered to be involved in their learning and to own their educational experience. We are committed to ensuring every student reaches their full potential and is prepared for college or a career when they graduate from high school. The pride of being a Roosevelt High School "Rough Rider" is instilled at all grade levels and allows our growing community to maintain a sense of pride and ownership in their schools.

As a primarily residential community with only a 5% of our assessed value coming from commercial (excluding volatile Oil and Gas valuation), Johnstown and Milliken are bedroom communities supporting the fast growth in Northern Colorado. To meet the needs of a growing work force demand and population growth we have been working on Master Planning for the past several years to not only address the needs of today, but to prepare for the future. The Master Planning process has been focused on addressing the need to add capacity at all grade levels, bring our aging facilities up to current codes, and most importantly, develop facilities that

support our students and staffs goals. In meeting with our community members it became apparent that the current facilities are holding us back from meeting our goals. With this inspiration the Board of Education, Administration, and community prepared a vision for the future in the form of the 2020-24 Bond Capital Construction Program, which passed by over 55% this November. The centerpiece to chart the course into the future is a new High School to be constructed on a site yet to be determined. This New Weld RE-5J High School is programmed for 230,000 square feet on a 60-80 acre site supporting a student population of approximately 1,300. The budget for this project is \$110,000,000 which is intended to include all hard and softs for development. The District is working to develop and expand opportunities for Career and Technical Education opportunities for all students in addition to College Readiness. With this new flagship High School, the District intends to take the spirit of the Rough Rider community and embody those principles of excellence, teamwork, and collaboration in the new campus.

As part of the Bond program, the District also intends to replace the aging Letford Elementary School with a new facility on a new 10 acre site. Weld RE-5J School District secured a BEST Grant to partially fund the new 75,000 SF four track Elementary Serving approximately 600 students. The project is scheduled to begin construction in 2021 and be open for students August 2022. Once occupied, the existing Letford Elementary is scheduled to be demolished and the site converted to a City Park.

Geotechnical Schedule*

| | |
|---|--------------|
| RFP/Q Release | 12/14/20 |
| Questions submitted in Writing | 12/24/20 |
| Answers/Clarifications | 12/29/20 |
| Response to RFP's due | 12/31/20 |
| Notice of Recommended Award | 1/5/21 |
| Board Meeting to approve contract | January/2021 |
| Start Initial On-site Borings of General Bldg. Location | 1/28/21** |
| Laboratory and Data Analysis | 2/1/21 * |
| Initial Geotech Report Deliverable | 2/15/21* |
| Execute Geotech/COMT Agreement | 3/8/21* |

*Dates subject to modification

**After Bldg. location determined by District 5J and Design Team

NOTE: These dates are subject to change and the successful firm will be responsible to coordinate with the District and Owner's Representative for final dates. The District reserves the right to receive additional proposals for Materials testing services.

Scope of Services

Note: The district will be issuing an addendum / clarification to including drawings with boring locations

- A. Proposal for Professional Services shall include as a minimum the following:
1. Preparation of Subsurface Exploration Report
 - a. Identify type of soil
 - b. Identify swell potential
 - c. Identify bedrock depth
 - d. Identify moisture/density conditions and depth groundwater encountered.
 - e. Provide geotechnical recommendations for design and construction of foundations, floor slabs, and pavement design for parking lots and driveways. Brief subsequent reports shall be submitted with each groundwater measurement interval.
 - f. If supported by the test results, provide optional recommendations for foundation design and pavement design criteria.

 2. Subsurface Exploration soil borings
 - a. Borings shall be extended to depths of approximately 30 feet below site grades for the building areas, and 15 feet below site grades for the parking lot areas.
 - b. Provide a diagram indicating the boring number and approximate location. Location by GPS coordinates is preferred.
 - c. Provide a field log to identify thickness, consistency, and character of each layer encountered.
 - d. Document the elevation of ground water encountered in each test pit or boring. At two (2) boring locations, groundwater elevation shall be documented at seasonal intervals.
 - e. Provide maximum depth of frost penetration below the surface.
 - f. Collect corrosiveness tests to determine whether the soil will adversely affect underground metallic and concrete materials.
 - g. Sample of subsurface materials shall be in general accordance with ASTM Specification D-1586.
 - h. Washed sieve analysis and Atterberg limits tests shall be performed on samples to evaluate the quantity and plasticity of the fines in the sub grade soils.

 3. Pricing of Subsurface Report and Exploration soil borings
 - a. Provide a lump sum proposal for the initial soil report and supplemental soil report. For the purposes of this proposal, six (6) 30' borings shall be provided for the initial soil report; With twelve (12) 30' borings and five (5) borings for monitoring wells shall be provided for the supplemental soil report. Geotech firm is responsible for coordination with the District, Owner's Representative and Design Team and concept design for the existing site, new facility and site redevelopment.

- b. Unit prices for drill rig mobilization and additional borings shall also be provided, in the event that additional borings are required, or borings at an alternate schedule or location are necessary.
 - c. Proposal shall include all costs for soil borings, soil testing, analysis, and preparation of soil reports.
 - d. Provide an expected date of delivery for the soil report.
4. Construction and Materials Testing Scope of Work
- a. Observation and testing of backfill along foundation walls
 - b. Compaction testing of parking lot areas, and other areas of surface improvements.
 - c. Testing of cast in place concrete, sidewalks, curb/gutter
 - d. Testing of masonry mortar and grout
 - e. Testing and observation for load-bearing masonry walls (including caisson drilling and construction)
 - f. Observation and inspection of reinforcing steel
 - g. Inspection of rebar.
 - h. Inspection of structural steel welds and bolted connections.
 - i. Colorado Registered Engineer shall supervise field services.

B. Codes, Regulations

Geotechnical/COMT firm shall confirm to all codes and regulations applicable at the project site.

C. Fees, Permits, and Utilities

Geotechnical/COMT firm to obtain and pay for all required permits and fees and shall be responsible for all utility locates prior to performing work.

D. Quality Assurance

Geotechnical/COMT firm shall perform work in accordance with industry standards and in a neat manner to the satisfaction of the District and its Owner's Representative.

Qualifications Section

In order to select the firm best qualified for the Weld Re-5J School District we are asking that the prospective Geotechnical Engineer respond to the following questions.

- A. Approach to Project: Identify how your firm will coordinate the work with the Owner and perform the work. Identify any work performed by subcontractors, and which scope will be self-performed.
- B. Firm History and Services: Provide a brief description of the firm, including years in business in CO, point of contact (with full contact information), services provided, and any other relevant information regarding the firm.

- C. Work Experience:
 - List all relevant work experience and qualifications related to the proposed project. Provide references of completed projects.
 - Provide specific experience working on existing sites that will have building additions.
- D. Provide specific experience or unique qualities that can aid in building a new high school or elementary school.
- E. Claims: Provide claims history over the past 5 years including both resolved and unresolved claims.
- F. Personnel: Provide a list of key personnel, their skills and qualifications, technical competence, experience on similar projects, capacity to undertake the project, and their availability throughout the duration of the project. Provide resumes of key personnel.
- G. Insurance Certificate: Provide a sample insurance certificate, which identifies types of coverage's, offered by your firm.

| <u>Type</u> | <u>Limits (Minimum)</u> |
|--|-----------------------------------|
| Commercial General Liability | \$2,000,000 each occurrence |
| - Occurrence Based | \$2,000,000 general aggregate |
| | \$2,000,000 prod./comp. ops. agg. |
| Automobile | \$1,000,000 comb. single limit |
| - Any Auto, Hired Autos, and Non-Owned Autos | |
| Excess/Umbrella | \$5,000,000 each occurrence |
| - Occurrence Based | \$2,000,000 aggregate |
| Worker's Compensation | Statutory Limits |
| Professional Liability | \$2,000,000 per claim |
| | \$2,000,000 aggregate |

1. The selected firm will be required to indemnify and hold Weld Re-5J School District, RLH Engineering, Inc. as Owner's Representative, and agents and employees of each, harmless from and against all suits or actions of any kind, including, but not limited to, workers' compensation claims brought against them for or on accounts of any damages or injuries received or sustained by any parties, by or from the acts of the successful firm or its agents or employees.
2. The selected firm shall indemnify and hold the Weld Re-5J School District and its agents and employees harmless from any and all claims, causes of action, suits and liabilities, including attorneys' fees and costs arising out of or relating to disclosure of any information included in the successful firm's proposal.
3. Prior to the commencement of any work, Firm shall forward Certificates of Insurance to Weld Re-5J School District and its Owner's Representative. The insurance required shall be procured and maintained by the Firm for the duration of the contract. The insurance shall be with a carrier licensed in the state of Colorado and shall have "A" or better Best rating. **The District will not accept any form of Agreement or General Conditions in which a Limitation of Liability states any figures less than the insurance limits noted above.**

4. Firm shall name Weld Re-5J School District and RLH Engineering, Inc., as additional insured on all insurance except Workers' Compensation.

LEGAL REQUIREMENTS

- A. **Verification of Information:**
Applicants are hereby notified that Weld Re-5J School District will rely on the accuracy and completeness of all information provided in making its selection. As such, Applicants are urged to carefully review all information provided to ensure clarity, accuracy and completeness of such information. As Weld Re-5J deems necessary and appropriate in its sole discretion, Weld Re-5J deserves the right to make any inquiries or other follow up required to verify the information provided. The District reserves the right to select any or reject any and all submissions in their best interest.
- B. **Disclosure of Information:**
All submissions and other materials provided or produced pursuant to this RFP/Q may be subject to the Colorado Open Records Law, CRS 24-72-201 ET. Seq. As such, Applicants are urged to review these disclosure requirements and any other exceptions to disclosure of information furnished by another party and, prior to submission, appropriately identify materials, which are not subject to disclosure. In the event of a request for disclosure of such information, Weld Re-5J shall advise the Applicant of such request to give the Applicant an opportunity to object to the disclosure of designated confidential materials furnished.
- C. **Discrimination in Employment:**
In connection with the performance of work on this project, the selected Service Provider agrees not to refuse to hire, discharge, promote or demote, or to discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, marital status, or physical or mental disability; and the Service Provider further agrees to insert the foregoing provision in all subcontracts hereunder.
- D. **Applicable Laws:**
This selection process and the performance of any selected shall be subject to, governed by and construed in accordance with applicable Federal Laws, the laws of the State of Colorado and the Charter, and other applicable regulations as the same may be amended from time to time.
- E. **Cost of Developing Qualifications:**
Any costs associated with developing qualifications, is the sole responsibility of the Service Provider. The District assumes no liability for any costs incurred throughout the entire selection process.
- F. **Qualification Ownership:**
All qualifications, including attachments, supplementary materials, sketches, etc. shall become the property of the District and will not be returned to the applicant.

Evaluation Criteria

Award of Contract will be based on the following:

| | |
|--|------------------|
| • Fee Proposal for the Geotechnical Subsurface Exploration | 10 Points |
| • Billing Rates quoted- good through 2021 | 10 Points |
| • Approach to the Work | 10 Points |
| • Firm History & references | 10 Points |
| • Work Experience | 10 Points |
| • Experience of key personnel | 20 Points |
| • Proof of appropriate Insurance Coverage | 20 Points |
| • Local Participation | <u>10 Points</u> |
| Total | 100 Points |

Weld Re-5J reserves the right to accept or reject, any or all submittals, and select the Firm that is deemed to be in the District’s best interest.

Award of Contract

- A. All submitted responses will receive a decision memorandum following the selection process.
- B. Submission of a proposal indicates Firm’s acceptance of the evaluation method. The district reserves the right to reject any or all proposals for any reason, and to re-issue the RFQ.
- C. The District’s Consultant Agreement will be attached at the time answers to questions/clarifications are provided, by submitting qualifications, fee proposal, and billing rates, the Consultant agrees to the terms and conditions of the agreement and will sign the agreement as written.

Fee Schedule

Proposed Fee – Please provide a break down of the proposed fee as follows:

Subsurface Exploration and Report

Initial Report – New High School Site

Total \$ _____ - To include six (6) 30' borings.

Supplemental Report – New High School Site

Total \$ _____ - To include up to twelve (12) 30' borings and eight (8) 15' borings.

Initial Report – New Elementary School Site

Total \$ _____ - To include six (6) 30' borings.

Supplemental Report – New Elementary School Site

Total \$ _____ - To include up to twelve (12) 30' borings and eight (8) 15' borings.

Unit Rates

Drilling Rig Mobilization \$ _____ - includes all costs for personnel, travel, fuel, etc.

Boring, 30' Depth, Building Areas \$ _____

Boring, 15' Depth, Paving Areas \$ _____

Provide name and address of proposed drilling company.

Firm Name _____

Address _____

Billing Rate

| | | |
|---|----------|----------------|
| Geotechnical Engineer | \$ _____ | /hr |
| Geotechnical Technician | \$ _____ | /hr |
| Standard Proctor | \$ _____ | /test |
| Grain Size Analysis | \$ _____ | /test |
| Atterberg Limits | \$ _____ | /test |
| Asphalt Extraction, Gradation | \$ _____ | /test |
| Concrete Technician | \$ _____ | /hr |
| Reinforcing Steel Technician | \$ _____ | /hr |
| Structural Steel Technician | \$ _____ | /hr |
| Project Manager | \$ _____ | /hr |
| Senior Project Manager | \$ _____ | /hr |
| Daily Rate for Caisson Observation/Testing Services | \$ _____ | /day |
| Compressive Strength Mortar Prisms | \$ _____ | /hr \$ _____ |
| | | /each \$ _____ |
| | | /set |
| Compressive Strength Grout Cubes | \$ _____ | /hr \$ _____ |
| | | /each \$ _____ |
| | | /set |
| Compressive Strength Mortar Cubes | \$ _____ | /hr \$ _____ |
| | | /each \$ _____ |
| | | /set |
| Comp. Strength Concrete Cylinders | \$ _____ | /hr \$ _____ |
| | | /each \$ _____ |
| | | /set |
| Other (Provide List) | \$ _____ | /unit |
| | \$ _____ | /unit |
| | \$ _____ | /unit |

Will multiple Technicians be needed for the duration of the project, or does your firm have individuals that are certified in various disciplines. The District wants to ensure the testing and observation work is efficient and would like to avoid multiple trip charges for the same day.

Reimbursable Expenses

Trip Charge or Per Diem per day

\$ _____

Mileage

Hourly Rate during Travel

\$ _____ /mile

\$ _____ /hour

Percent mark-up on reimbursable % _____

Construction and Materials Testing – ESTIMATE

Based on the approximate Building size and schedule, please indicate the Total number of hours expected for the entire project. Please refer to the attached project narrative.

COMT Technician (compaction) _____ /Hours

COMT Technician (Concrete) _____ /Hours

Reinforcing Steel Technician _____ /Hours

Structural Steel Technician _____ /Hours

Project Manager _____ /Hours

Senior Project Manager _____ /Hours