

Goffstown Public Library
2 High Street
Goffstown, NH 03045

We invite your firm to respond to this Request for Proposals (RFP) regarding the soil information needed in support of the proposed Expansion and Modifications of the Goffstown Public Library.

Our project is a two-story addition and interior renovation/preservation of a historic NH library. The Goffstown Public Library was added to the National Register of Historic Buildings in 1995. Website: www.goffstownlibrary.com. The budget for this portion of the project: \$8,500. Taxpayer Identification Number: 02-6000326

If you are planning to respond to this RFP, please also contact the Goffstown Public Library Director, Dianne Hathaway, at 603-497-2102 or dianneh@goffstownlibrary.com who will provide you with contact name, phone number, and email address for the project's Design Consultants if you need additional Scope of Work clarifications and related technical requests.

The following Scope of Work is to be understood as part of your response to this RFP:

- 1) The purpose of these borings is to determine the subsurface soil conditions for use in conjunction with foundation design for the new building. The Geotechnical Engineer shall retain the services of a boring contractor to accomplish all necessary subsurface investigations. The Geotechnical Engineer shall coordinate with the Consulting Architect/Engineer for building design parameters, layout, foundation elevations, etc. The total number, depth, and sampling of borings must ultimately to be determined by the Geotechnical Engineer as required to provide a complete Geotechnical Report. The Geotechnical Engineer shall discuss the conceptual framing scheme and loads with the Engineer prior to submitting a proposal. It is assumed that subsurface exploration program will require a minimum of four (4) borings (see paragraph 3 below). Please contact Engineer to discuss recommended changes in the subsurface exploration program assumptions, prior to submission of a proposal.
- 2) The borings shall be advanced utilizing hollow stem augers to the depth indicated below or refusal whichever comes first. The boring may also be terminated when at least five (5) feet of material exhibiting a standard penetration test (n value) of at least thirty (30) blows/foot is penetrated. See enclosed soil boring location plan and site location plan.
- 3) Soil sampling and Standard Penetration Testing (SPT), using a 2" o.d. split spoon sampler, in accordance with ASTM D1586 will be performed as follows:

Boring #1 - Cont. 0' to 10', bal. @ 5' intervals & strata changes to thirty (30) feet
Boring #2 - Cont. 0' to 10', bal. @ 5' intervals & strata changes to thirty (30) feet
Boring #3 - Cont. 0' to 10', bal. @ 5' intervals & strata changes to thirty (30) feet
Boring #4 - Cont. 0' to 10', bal. @ 5' intervals & strata changes to one hundred (100)

feet or as required to establish the Seismic Site Class.

- 4) Ground water elevations (if encountered) are required. Borings are to be done in the order of their numbering (SB1, SB2, etc.). A five (5) feet coring into ledge at refusal is required at all borings where ledge is present. If encountered, the noting of organic material, cinders, wood chips and other deleterious material is important.
- 5) If cohesive soils (clays) are encountered, undisturbed samples (3" Shelby tubes) will be taken, if so directed by the Geotechnical Engineer, to represent the strata of concern.
- 6) If the Geotechnical Engineer is not onsite during boring operations, the boring contractor shall contact the Geotechnical Engineer before removing the boring equipment from over each completed boring to provide blow counts and soil classification. If soils are of an unsuitable nature, the Geotechnical Engineer may direct the boring contractor to proceed to a greater depth. The boring contractor should bring extra sections of auger shaft to the site for this eventuality.
- 7) Borings are to be accurately located by the boring contractor in accordance with the enclosed plan.
- 8) The Geotechnical engineer/boring contractor is to provide an underground utility clearance through Dig Safe, local/state utilities and authorities. The Dig Safe authorization number is to be included with the submitted soils data. It shall be the boring contractor's responsibility to pay for any damages to known underground utilities, damages to all above ground utilities and other related costs.
- 9) Notify the Owner and Engineer forty-eight (48) hours prior to starting work.
- 10) If the Geotechnical Engineer/boring contractor is not familiar with the site, a site visit should be considered to determine the type of equipment necessary to perform the work. No site modifications, including vegetation removal, can be done without the written permission of the Owner and/or the Engineer.
- 11) The boring contractor is solely responsible for safety during boring operations.
- 12) Upon completion, all borings will be backfilled with on-site material. The bore holes will be restored at the surface grade to correspond with existing conditions (i.e., soil, asphalt, cold patch, concrete, etc.).
- 13) Provide a complete Geotechnical Report with boring logs to the Engineer upon completion. The Report shall also include as a minimum the following items:
 - Soil and test pit logs.

- Recommended soil bearing capacity.
 - Recommended foundation system based on the soils found at the site.
 - Seismic design parameters and liquefaction analysis as appropriate.
 - Recommendations on any special requirements for site drainage, foundation drains, special construction procedures, etc.
 - Flood risk assessment, if applicable.
- 14) A single test pit shall be excavated as shown on the attached boring log plan to determine the depth of the top and bottom of the existing foundation. Existing design plans for a previously completed Goffstown Library expansion will be provided to the chosen Geotechnical Engineering firm, but for RFP response purposes assume that the depth of the bottom of the existing foundation can be determined via a maximum eight (8)-foot deep test pit.
- 15) Complete ledge probes and an evaluation of the infiltration capacity of the soils for use by the Town's Consultants to design a stormwater infiltration system in the area shown on the layout plan enclosed. Two (2) infiltration tests along with two (2) test pits shall be completed in the area of the proposed stormwater management system with the test pits evaluated for depths of topsoil, B horizon, C horizon, seasonal-high water table, water table if encountered, and refusal if encountered. Standards for the infiltration testing shall be as required by the NHDES with their Alteration of Terrain Program. Additionally, complete four (4) ledge probes in the areas noted on the layout plan provided to the depth of ledge encountered or a maximum of twelve (12) feet whichever is greater.

Please provide your responses with detailed line-item costs for review that summarizes the costs for each boring, test pit, infiltration testing, related labor costs for the Geotechnical Engineer's Project Manager and Engineer, and Geotechnical Report.

In addition to the above Scope of Work, the Geotechnical Engineer must provide a Qualifications Statement that identifies a minimum of three successful projects with similar scope of work with Owner Contact information, the resume of the proposed Project Manager and Project Engineer, and the proposed boring contractor including the Geotechnical Engineer's experience with the boring contractor.

It shall be the sole responsibility of the geotechnical consultant to conduct sufficient site evaluation/coordination to avoid impact to any subsurface water lines, electrical lines, drainage lines, and any related structure not visible from the surface during any site testing being conducted by the consulting firm. Impact to any subsurface utility, structure, or system shall be the direct responsibility of the consulting firm conducting the testing.

The Goffstown Public Library requires proof of liability insurance in the amount of \$1,000,000 with the Town of Goffstown named as an additional insured, and workers compensation insurance or an Independent Contractor Work Agreement in the case of a sole proprietor.

We look forward to your interest in this project and the opportunity to respond to any comments or questions that you may have.

Timeline: Responses should be directed to Aimee Huntemann Chair of the Goffstown Library Board of Trustees at trustees@goffstownlibrary.com. The subject line should read: Proposal for Geotechnical Investigation.

- Issue requests for proposal
- Reply by May 11, 2021 at 12:00 p.m.
- Review by Administrative & Finance Committee of bids on May 11, 2021 at 3:00 p.m.
- Interviews will be concluded by May 25, 2021.
- Reference check by June 2, 2021.
- Announce decision by June 2, 2021.
- Start work after June 3, 2021.

The Goffstown Public Library reserves the right to reject all bids, renegotiate any contract, and waive any informalities which do not compromise the actual bid.

The undersigned certifies under penalties of perjury that this bid is in all respects bona fide, fair, and made without collusion or fraud with any other person. As used in the section the word “person” means any natural person, joint venture, partnership, corporation, or other business or legal entity.

(Name of person signing bid)

(Date)

(Company)