



**Proposal for Geotechnical Engineering Services**  
**Lincolnwood SD 74 – Paving Improvements/Replacements**  
**Lincolnwood, Illinois**

**Prepared For:**

**StudioGC architects + Interiors**  
**Chicago, Illinois**

**Prepared By:**

**CGMT, Inc.**  
**CGMT Proposal No. 21P0301R**

**Revised: January 3, 2022**



**Construction & Geotechnical Material Testing, Inc.**

60 Martin Lane, Elk Grove Village, Illinois 60007  
◆ Telephone (630) 595-1111 ◆ Fax (630) 595-1110



December 27, 2021

Athi Toufexis, AIA, ALEP, LEED-AP  
StudioGC architecture + Interiors  
223W Jackson Boulevard | Suite 1200  
Chicago, Illinois 60606

**RE:** Proposal for Subsurface Exploration and Geotechnical Engineering Services  
Lincolnwood SD 74 – Paving Improvements/Replacement  
3925 W Lunt Ave – Lincolnwood, Illinois  
CGMT Proposal No.: 21P0301R

Dear Mr. Toufexis:

Construction and Geotechnical Material Testing (CGMT) is pleased to submit this proposal to provide subsurface exploration and geotechnical engineering services for the planned construction of the pavements in Lincolnwood, Illinois. This letter includes a scope of work description, estimated costs and schedule to complete the scope of work.

We understand the purpose of this exploration is to determine the subsurface condition near the proposed pavements anticipated for improvements at Todd Hall School. For this exploration, we propose to perform a total of 5 soil borings for the proposed property improvements. We anticipate soil borings will be accessible for a truck-mounted drill rig or hand operated coring crew. In the event, a soil boring will be located in wooded or wetland areas, that boring will be offset and drilled at an accessible location and no clearing/ATV rig will be required.

This proposal was prepared based on the information contained in our telephone conversation with you earlier today, your email correspondence, our experience with similar projects and understanding of the local geology.

### **SCOPE OF SERVICES**

The investigation is to consist of the following tasks, based on the anticipated site conditions, the information provided by your office, and our experience of similar projects:

- **Task 1 – Field Investigation:** Field investigation will consist of five (5) soil borings drilled to depths of about 5 feet or refusal at the proposed pavements. Soils encountered will be sampled at 2.5-foot intervals in general accordance with the ASTM requirements. Representative soil samples will be collected from each sample interval for visual classification and/or laboratory testing. The borings will be drilled using a truck-mounted drill rig or hand operated coring crew. Pavement cores prior to drilling will be performed by the use of a



diamond impregnated coring machine. The locations of the soil borings will be identified by the client or CGMT representative and will be based on rig accessibility to those locations and the limits of the site. Upon completion of drilling operations, groundwater readings will be obtained; the borings will be backfilled with soil cuttings or patched with concrete or cold patch asphalt mix where appropriate.

- **Task 2 – Laboratory Testing:** Laboratory Testing will be performed on representative samples collected from selected intervals. These tests will consist of unconfined compressive strength on all cohesive soils and natural moisture contents on all cohesive soil samples. Should other tests be required, we would notify your office as soon as this becomes evident.

Photo document of the extruded pavement core to be measured and review.

- **Task 3 – Analyses and Report:** CGMT will analyze collected field and laboratory data and prepare a report of our findings. The final geotechnical report would include general information on site geology, descriptions of existing soil conditions, and additional information consisting of but not limited to:

- Feasible Foundation Systems and Allowable Soil Bearings
- Settlement Issues
- Suitability of soils to support floor slabs and pavements and for reuse as new fill
- Geotechnical-Related Construction Issues
- Pavement Soil-Related Design Parameters
- Short-term Water Table Elevations

- **Task 4 – Limited Environmental Services:** The Illinois EPA enacted regulations regarding Professional Engineer certification of construction and demolition debris (C&D), which calls for such certification that the waste stream is suitable for use in a landfill. As such, the engineer completes forms indicating that sufficient testing and analysis has been performed on the waste stream and the materials considered to be potentially impacted have been determined to be non-hazardous.

CGMT will assist the client in certification of construction and demolition debris, which calls for such certification that the water stream is suitable for use in a landfill.

The area is determined to be potentially impacted (PIP) site, from CGMT's experience with the regulations, a laboratory analysis shall be completed on selected samples for pH, Pesticides,



PCBs, RCRA Metals, Cyanide, SVOC, VOCs, **TCLP IRON (Thelen Sand and Gravel)**. These parameters are performed by the an IEPA-accredited sub-laboratory. Although the new regulations do cite the IEPA Tiered Approach to Correction Objective Target Analyte List (TACO-TAL) as an example of possible contaminants that can be evaluations, the regulations do not explicitly require such comprehensive testing and analysis for the full suite of IEPA-listed contaminants and appear to provide the engineer to determine the appropriate amounts of test. Upon completion of the laboratory testing data, CGMT will analyze compare to the chemical detection limits utilized for analyses are in accordance with IEPA Title 35, Subtitle G, Chapter 1, Subchapter f, Part 742, Subpart G, Tier 1 and Appendix B, Table B for soil evaluation. The tests performed on the samples will be presented in a report and letter to include a copy of the IEPA form 663, if the material is found to be within appropriate limits. CGMT has assumed **1 sample** for the project if the site is determined to be potentially impacted (PIP) site.

If the laboratory analysis indicate the samples do not meet their respective Maximum Allowable Concentrations of Chemical Constituents, additional testing and sampling will be required to dispose the waste stream and the materials in a Subtitle D Landfill. CGMT will provide recommendations as to the options available to the Owner including steps required in connection with disposal at a Subtitle D landfill.

## **SCHEDULE**

CGMT is available to initiate field activities within one and one half week of your authorization to proceed. This authorization may be issued by completing the "Authorization to Proceed" information at the end of this proposal and sending it (via facsimile) to my attention. We anticipate that drilling operations will require 2 to 3 business days. Your office would be informed of our findings on a timely basis, with a preliminary verbal summary report of our findings to be directed to your project manager within seven days of the completion of Task 1. The laboratory testing phase is anticipated to require 2 business days. A final report can normally be prepared within one and one-half to two weeks following notice to proceed, assuming no extraordinary laboratory testing efforts are required. CGMT will arrange for a utility locate at the project site as required by state law. This would take a minimum of 48 hours (over consecutive business days) once JULIE has been contacted. CGMT will arrange this locate upon receipt of your authorization to proceed with the project.



### **COST – Geotechnical**

We estimate that the cost for each of the tasks will be as follows:

|  |                    |
|--|--------------------|
| TOTAL GEOTECH. COST  | \$ 1,500.00        |
| <b>CCDD COST – Limited Environmental</b>                           |                    |
| Task 4 – Potentially Impacted Option:                              | <u>\$ 1,500.00</u> |
| TOTAL PIP COST   | <u>\$ 1,500.00</u> |
| <b>Total Geotechnical &amp; Limited Environmental Project COST</b> | <b>\$ 3,000.00</b> |

These costs are based on the following assumptions:

1. Client is to provide legal access to the site(s) and is to notify all legal entities affected by the scope of work presented in this proposal.
2. Client will secure the necessary permits and other legal documentation to access the sites and to perform work.
3. Client is to provide, in a timely manner, a plat of survey, site topography, aerial photographs or such other drawings and documents necessary to complete the field activities.
4. Client is to survey the locations of the soil borings on the property at the time authorization to proceed is issued to CGMT.
5. Client will assume responsibility of site landscaping damaged by CGMT drill rig.
6. Bore locations will be accessible by CGMT drill rig.
7. Borings will be backfilled with soil cuttings after the completion.

If clearing of trees or use of an ATV is required, we will provide costs for your approval prior to initiation of these additional services.

Our final billing will be conveyed to you after the work authorized by you has been completed. In addition, if unusual site or surface conditions are found during the drilling phase of this investigation, i.e. possible environmental issues, deep fills, rubble, soft soil, site access problems, etc., additional work and costs may be incurred. Should such conditions be encountered, we would notify you office for authorization to proceed before initiating any work beyond the scope defined in this proposal.

Our final billing would be based on all of the work authorized and performed at the direction of your office. Terms of payment for our services for the full amount is due **net 30** of invoice.



**Geotechnical Engineering**  
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**January 3, 2022**  
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Please contact me if you have any questions regarding this proposal or if you need additional information.

Respectfully,  
**CONSTRUCTION & GEOTECHNICAL MATERIAL TESTING, INC.**

*Pratik Patel*

Pratik K. Patel, PE  
Vice President

Attachments:      Terms & Conditions

Cc:      File/PK



**Authorization to Proceed: 21P0301R**

*The below signed authorization indicated acceptance of the proposal in its entirety.*

Signature: C. Whited  
Name: Courtney Whited Company: Lincolnwood SD 74  
Title: Business Manager/CSB Date: Jan. 4, 2022

*Please provide CGMT the Client/Invoicing Information below.*

*The party listed below shall be financially responsible for the services provided.*

Name: Accounts Payable Title: A.P.  
Company: Lincolnwood School District 74  
Address: 6950 N. East Prairie Road  
Lincolnwood, IL 60712  
Phone: 847-675-8234 Alt. No.: 847-745-3710  
Fax: 847-675-4207 E-mail: cwhited@sd74.org

Proposals must be signed and returned to CGMT's office prior to scheduling inspection services. This process can be expedited by sending a fax or e-mail signed copy of the authorization to proceed to the CGMT office.