



Village of Orland Park  
14700 S Ravinia Ave.  
Orland Park, IL 60462

Attention: Office of the Village Clerk

Proposal Number 22508

Re: RFP #RFP 22-006  
Soils and Materials Testing and Engineering  
Village of Orland Park, Orland Park, IL

Dear Mr. Aleksic:

Geo Services, Inc., (GSI) a certified, union (local 150), MBE/DBE Geotechnical/Environmental/Materials Testing/Drilling firm, is pleased to submit this proposal to the Village of Skokie for construction material testing & inspection services for the above referenced project utilizing Village, Illinois Motor Fuel Tax, CDBG, and Federal funds. The project involves providing construction material testing and inspection services and laboratory services. Services will include, but not be limited to the following:

1. Concrete Plant/Field Inspections
2. Hot-Mix Asphalt (HMA) Plant/Field Inspections
3. Soils Inspection
4. Laboratory Testing
5. Engineering and Administration

We propose to provide **Construction Materials Testing and Inspection Services** on a unit price basis according to the attached Unit Rates of Consultant Services. Charges for field time will be charged portal to portal with a minimum charge per visit of 4-hours (excluding sample pickups).

GSI is submitting a copy of the letter issued by the IDOT Bureau of Materials that our laboratory is equipped to perform the required laboratory testing as specified by the latest edition of the "Project Procedures Guide", see appendixes.

GSI has over ten (10) certified field inspectors and it is certified by IDOT in the areas of Geotechnical Engineering and Construction Inspection. Arun Tailor, will serve as the Quality Assurance Manager for the material testing work assignments and he will have overall responsibility for the field quality assurance services at the jobsite. For schedule of technicians, Arun Tailor, Construction Materials Manager, should be contacted. The following are the contact phone numbers for Mr. Raj Singla

Office: (847) 253-3845x207      Cell: (630) 849-1898

GSI requires that field inspection requests be placed not later than 3:00 PM the day before the planned field activities by calling our materials project engineer. GSI personnel will report to the job site a minimum of 15-minutes prior to scheduled start of work.

All contract correspondence should be directed to our corporate office at 805 Amherst Court Suite 204, Naperville, Illinois 60565 (630) 305-9186, attention Julian Rueda, President. All fieldwork will be performed out of our Arlington Heights office. Geo Services Inc. will perform all laboratories testing at our facility located at 1235 East Davis Street, Arlington Heights, Illinois.

Geo Services Inc. laboratory is certified by AASHTO, AMRL and IDOT. GSI Laboratory meets the requirements of AASHTO R18; Establishing and Implementing a Quality System for Construction Materials Testing Laboratories and ASTM C1077; Standard Practice for Laboratory Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation. The following outside

agencies routinely inspect GSI facilities:

- 1 AASHTO Materials Reference Laboratories (AMRL) for Concrete, Soils Aggregates and Hot Mix Asphalt
- 2 Cement and Concrete Reference Laboratories (CCRL) at the National Institute of Standards (NIST)
- 3 Illinois Department of Transportation (IDOT)

All Laboratory work will be performed by ACI and IDOT Portland Cement Concrete Certified Technicians, in accordance with the ACI and IDOT certification programs. Geo Services Inc. Laboratory meets the requirements of IDOT QC/QA Concrete Production laboratory and equipment. Geo Services Inc. maintains, and calibrates equipment as required.

Geo Services, Inc. has provided materials testing services on projects of all sizes in the Chicago Metro Area, and has a fully qualified staff of engineers and IDOT QA/QC certified technicians to perform both simple and complex field inspection duties for soil, concrete and asphalt construction for state, Tollway, IDOT, Municipality and Privates projects. Our inspectors are well skilled in properly completing all necessary IDOT inspection forms.

Overtime (1.5 X normal rate) will be charged for work over 8 hour per day, 40 hours per week and weekend work. The minimum charge upon mobilization to the jobsite is 4-hours per day and charges are portal to portal from our Arlington Heights facility. **For the scope of work proposed, the Unit Prices are listed on the Unit Price Sheet** however, the final compensation will depend upon the actual number of laboratory tests performed and technical time expended for this project. All work will be performed in accordance with the attached General Conditions. Labor rates provided in this proposal are based on current union collective bargaining agreement and applicable Prevailing Wage rates.

Geo Services, Inc. appreciates the opportunity of being of service to you on this project and look forward to hearing from you when work is ready to begin. If there are any questions regarding the information submitted herein, please do not hesitate to contact us.

Very truly yours,

GEO SERVICES, INC.



Rajan Singla  
Construction Materials Manager



Andrew J. Ptak, P.E.  
Principal Engineer

enc.

Accepted for VILLAGE OF ORLAND PARK:

By \_\_\_\_\_

Date \_\_\_\_\_

## GENERAL CONDITIONS

**SECTION 1: SCOPE OF WORK:** Geo Services, Inc. (GSI) shall perform the services defined in the Agreement and shall invoice the Client for those services according to the rates and unit charges indicated in the Agreement. If unexpected site conditions are discovered, the scope of work may change even as the work is in progress. GSI will provide these additional services at the agreed upon rates and unit charges.

Rates for work beyond the scope of this Agreement and not covered in the Agreement can be provided. GSI can perform additional work with prior authorization, and will provide confirmation of fees. Fee schedules are valid for one year following the date of the Agreement unless otherwise noted. Initiation of services by GSI pursuant to this proposal will incorporate these terms and conditions.

**SECTION 2: ACCESS TO SITES, PERMITS AND APPROVALS:** Unless otherwise agreed, the Client will furnish GSI with right-of-access to the site in order to perform the work. Unless otherwise agreed, the Client will secure all necessary approvals, permits, licenses and consents necessary to the performance of the services hereunder.

**SECTION 3: SOIL BORING AND TEST LOCATIONS:** The accuracy and proximity of provided survey control will affect the accuracy of in-situ test location and elevation determinations. Unless otherwise noted, the accuracy of test locations and elevations will commensurate only with pacing and approximate measurements or estimates. If greater accuracy is required, the services of a professional surveyor should be obtained.

The Client will furnish GSI with a diagram indicating the location of the site. Boring and test locations may also be indicated on the diagram. GSI reserves the right to deviate a reasonable distance from the boring and test locations unless this right is specifically revoked by the Client in writing at the time the diagram is supplied. GSI reserves the right to terminate this Agreement if conditions preventing drilling at the specified locations are encountered which were not made known to GSI prior to the date of this contract.

**SECTION 4: UTILITIES:** In the performance of its work, GSI will take all reasonable precautions to avoid damage or injury to subterranean structures or utilities.

**SECTION 5: UNANTICIPATED HAZARDOUS MATERIALS:** It shall be the duty of the owner, the Client, or their representative to advise GSI of any known or suspected hazardous substances which are or may be related to the services provided; such hazardous substances include but are not limited to products, materials, by-products, wastes or samples of the foregoing which GSI may be provided or obtain while performing its services or which hazardous substances exist or may exist on or near any premises upon which work is to be performed by GSI employees, agents or subcontractors.

**SECTION 6: DISPOSAL OF HAZARDOUS MATERIALS:** GSI does not create, generate or at any time own or take possession or ownership of or arrange for transport, disposal or treatment of hazardous materials as a result of its exploration services. All hazardous materials, including but not limited to samples, drilling fluids, decontamination fluids, development fluids, soil cuttings and tailings, and used disposable protective gear and equipment, are the property of the Client, and responsibility for proper transportation and disposal is the Client's unless prior contractual arrangements are made. All laboratory and field equipment that cannot readily and adequately be cleansed of its hazardous contaminants shall become the property and responsibility of the Client. The Client shall purchase all such equipment and it shall be turned over to the Client for proper disposal unless prior alternate contractual arrangements are made.

**SECTION 7: REPORTS AND INVOICES:** GSI will furnish three copies of the report to the Client. The Client will be billed for any additional copies requested. GSI will submit invoices to the Client monthly and a final bill upon completion of services.

**SECTION 8: OWNERSHIP OF DOCUMENTS:** All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by GSI as instruments of service, shall remain the property of GSI unless there are other contractual agreements.

**SECTION 9: CONFIDENTIALITY:** GSI shall hold confidential all business or technical information obtained from the Client or his affiliates or generated in the performance of services under this agreement and identified in writing by the Client as "confidential". GSI shall not disclose such information without the Client's consent except to the extent required for: 1) Performance of services under this agreement; 2) Compliance with professional or ethical standards of conduct for preservation of public safety, health, and welfare; 3) Compliance with any court order or other governmental directive and/or; 4) Protection of GSI against claims or liabilities arising from performance of services

under this agreement. GSI's obligation hereunder shall not apply to information in the public domain or lawfully acquired on a non-confidential basis from others.

**SECTION 10: STANDARD OF CARE:** Services performed by GSI under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. No other warranty, expressed or implied, is made or intended by the proposal for consulting services or by furnishing oral or written reports of the findings made. The Client recognizes that subsurface conditions may vary from those encountered at the location where borings, surveys, tests or explorations are made by GSI and that the data, interpretations and recommendations of GSI are based solely upon the data available to GSI. GSI will be responsible for those data, interpretations and recommendations, but shall not be responsible for the interpretations by others of the information developed.

**SECTION 11: SAFETY:** GSI has adopted safety policy procedures for its personnel when providing services at known or suspected hazardous waste sites. GSI personnel will adhere to these procedures, as site conditions require. GSI is not responsible or liable for injuries or damage incurred by third parties who are not employees of GSI.

It is understood that GSI will not be responsible for job or site safety of the project. Job and site safety will be the sole responsibility of the contractor unless contracted to others.

**SECTION 12: SUBPOENAS:** The Client is responsible, after notification, for payment of time charges and expenses resulting from the required response by GSI to subpoenas issued by any party other than GSI in conjunction with work performed under this contract. Charges are based on fee schedules in effect at the time the subpoena is served.

**SECTION 13: INSURANCE:** GSI carries worker's compensation and employer's liability insurance and has coverage under public liability and property damage insurance policies. Certificates for all such policies of insurance will be provided to Client upon request. Within the limits and conditions of such insurance, GSI agrees to indemnify and save Client harmless from and against any loss, damage, injury or liability arising from any negligent acts of GSI, its employees, agents, subcontractors and their employees and agents. GSI shall not be responsible for any loss, damage or liability arising from any acts by a Client, its agents, staff consultants employed by others, or other third parties who are not employees of GSI.

**SECTION 14: INDEMNITY:** The Client acknowledges that GSI has neither created nor contributed to the creation or existence of any hazardous, radioactive, toxic, irritant, pollutant, or otherwise dangerous substances or conditions at the site. Client and GSI agree that they will not be liable to each other, under any circumstances, for special, consequential or punitive damages arising out of or related to this Contract.

**SECTION 15: SAMPLES:** GSI will retain all soil and rock samples that are transported to GSI laboratories for 30 days after submission of the report. Further storage or transfer of samples can be made at Client expense upon written request.

**SECTION 16: SEVERABILITY:** If any of the provisions contained in this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired.

**SECTION 17: TERMINATION:** This Agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. In the event of termination, GSI shall be paid for services performed to the termination notice date plus reasonable termination expenses. Expenses of termination or suspension shall include all direct costs of GSI required to complete analyses and records necessary to complete its files and may also include a report on the services performed to the date of notice of termination or suspension.

**SECTION 19: PRECEDENCE:** These General Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document regarding GSI's services



# ORLAND PARK

RFP 22-006

Soils and Materials Testing and Engineering 2022-2024

## PROJECT DETAILS

### Scope of Services

The scope of services under this contract include: soil sampling of excavated spoils material (typically from utility repair digs), soil borings for pavement subgrade analysis and/or existing pavement thickness, and concrete + asphalt materials testing and engineering reports in connection with public improvements construction, MFT funded projects, new construction and infrastructure maintenance projects.

Services are to be performed for the Department of Public Works and/or the construction services engineering firm performing construction inspection on behalf of the Department of Public Works. Therefore, requested services are also to be scheduled by a third party designee performing construction services for various public improvement projects.

All work shall be performed in accordance with the latest editions of the following: Illinois Department of Transportation "Manual of Test Procedures for Materials", AASHTO "Standard Specifications for Transportation Materials and Methods of Sampling and Testing", and the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways".

### Deliverables

The Proposer shall furnish all personnel and testing equipment necessary to carry out the testing and engineering services in accordance with the policies and procedures of the Village of Orland Park.

- Provide Comprehensive Quality Assurance (QA) for the Village in QC/QA construction contracts for hot mix asphalt and Portland cement concrete.
- Concrete and hot mix asphalt plant proportioning analysis
- Mix designs – review, verification, and selection
- Soil and pavement compaction testing and analysis
- Aggregate certification, conventional and AGCS
- Aggregate gradation and durability analysis
- Concrete strength analysis
- Hot mix asphalt void and gradation analysis
- Clean Construction and Demolition Debris (CCDD) sampling, analysis, and reporting for projects involving excavation of Non-Special Waste
- Special Waste plans and report preparation for projects in areas known to be contaminated
- Reporting and documentation per IDOT requirements
- Certified Technician Services – field and plant
- Soil boring services
- Pavement coring services
- Laboratory testing of construction materials
- Laboratory testing of geotechnical samples
- Traffic Control and protection for boring, coring and related work



## ORLAND PARK

RFP 22-006

### Soils and Materials Testing and Engineering 2022-2024

The Proposer shall designate, in writing, a person to act as its Project Manager for the work to be performed under this Agreement. Such person shall have complete authority to transmit instructions, receive information, and interpret and define the Consultant's policies and decisions with respect to the work covered by this Agreement.

#### **Qualifications**

The Proposer shall employ only persons duly licensed by the State of Illinois to perform the professional services required under this Agreement for which applicable Illinois law requires a license, subject to prior approval of the Village. The Proposer shall employ only well qualified persons to perform any of the remaining services required under this Agreement, also subject to prior approval of the Village. The Proposer's key personnel shall be identified in writing (Name and Title at a minimum). Any change of Key Personnel must be approved in writing by the Village.

The Proposer shall provide a Quality Control/Quality Assurance (QC/QA) Plan and shall submit to the Village a statement in writing that it is in compliance with its QC/QA plan upon the request of the Village. The Proposer may modify its QC/QA, subject to prior written approval by the Village. The QC/QA should address equipment calibration, equipment maintenance, non-conforming work, sample management procedures, proficiency sample program/on-site inspection, and external technical complaints.

The Proposer shall endorse and seal all final engineering reports and any forms or documents requiring certification as applicable. Such endorsements must be made by a person duly registered in the appropriate category by the Department of Professional Regulation of the State of Illinois, being in full employ of the Proposer and responsible for the portion of the professional services for which registration is required.

#### **Safety Requirements**

The Proposer shall enforce the following safety requirements throughout the course of the contract as to its own agents and employees, and as to the agents and employees of any subcontractor and such requirement shall be made a part of any subcontractor agreement:

- Individuals engaged in ground level field activities on or within 25 feet (25') of a pavement open to traffic shall wear high visibility vests or equivalent high visibility outer garments. Flaggers shall wear high visibility vests at all times;
- Individuals shall wear protective hard-hats/caps when they are in an area where there is a potential for injury from falling, moving, swinging or flying objects;
- Safety-toe footwear shall be worn by the individuals engaged in operations where the danger of injury to the foot may occur; and
- Individuals shall wear appropriate clothing for the work to be performed, including shirts, when in public view.

#### **Documentation**

The proposed pricing for all testing shall include associated summaries or geotechnical reports. If requested, the Proposer shall furnish the Village a reasonable number of original prints,



# ORLAND PARK

RFP 22-006

## Soils and Materials Testing and Engineering 2022-2024

otherwise electronic Adobe pdf format shall be considered an acceptable document submission, of all necessary reports, documents, and plans, as determined by the Village, including the following (if applicable):

- Mandatory Weekly Reports (summary email is sufficient)
- Meeting Minutes
- Pay Estimates
- Change Orders
- Field Directives
- Correspondence with the Contractor
- Materials Reports
- Laboratory Testing Reports
- Summary Reports
- Final Inspection Reports
- Final Record Drawings
- Other documentation as required to provide a complete final project closure.

The Proposer shall submit a progress report each month the contract is in force, which shall include the following items:

- A summary of the Proposer's project activities, and any sub-consultant project activities that have taken place during the invoice period.
- A summary of the Proposer's project activities and any sub-consultant project activities that shall take place during the next invoice period.
- A list of outstanding items due to or from the Village

No Material Testing invoices will be paid until all reports or summaries have been provided.

A formal proposal summary from the Proposer shall be included in response to the RFP Scope of Work. The supporting Required Submission Documents of this RFP, including the itemized Unit Price Sheet, must be completed in full and signed by an officer with authority to execute contracts.

It is expressly understood and agreed to by both Parties that in no event shall the total amount to be paid by the Village for the complete and satisfactory performance of services, exceed the proposed amount. Said price shall be the total compensation for Contractor's performance hereunder including, but not limited to, all work, deliverables, materials, supplies, equipment, subcontractor's fees, and all reimbursable travel and miscellaneous or incidental expenses to be incurred by Contractor. In the event the Contractor incurs cost in excess of the sum authorized for service, the Contractor shall pay such excess from its own funds, and the Village shall not be required to pay any part of such excess, and the Contractor shall have no claim against the Village on account thereof. For the avoidance of doubt, in no event shall Contractor be entitled to receive more than the proposed amount and this amount includes all costs incurred by Contractor in connection with the work and services authorized hereby, including, but not limited to: (i) any known or unknown and/or unexpected condition(s); (ii) any and all unforeseen difficulties; (iii) any unanticipated rises in the cost of labor, materials or equipment, changes in market or negotiating



# ORLAND PARK

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## Soils and Materials Testing and Engineering 2022-2024

conditions, and errors or omissions made by others; (iv) the character of the work and/or services to be performed; and (v) any overrun in the time or cost necessary for the Contractor to complete the work due to any causes, within or beyond its control. Under no circumstances shall the Village be liable for any additional charges if Contractor's actual costs and reimbursable expenses for such work, service or deliverable exceed the proposed amount. Accordingly, Contractor represents, warrants and covenants to the Village that it will not, nor will Contractor have anyone on its behalf, attempt to collect an amount in excess of the proposed amount agreed to by the Contractor.

**PROPOSAL SUMMARY SHEET**  
RFP 22-006  
Soils and Materials Testing and Engineering 2022-2024

Business Name: Geo Services, Inc.  
Street Address: 805 Amherst Ct, Suite 204  
City, State, Zip: Naperville, IL 60565-3448  
Contact Name: Raj Singla  
Title: Construction Materials Manager  
Phone: 847-253-3845 ext. 207 Fax: 847-253-0482  
E-Mail address: raj@geoservicesinc.net

**Price Proposal**

Please submit Unit Price Sheet

**AUTHORIZATION & SIGNATURE**

Name of Authorized Signee: Andrew Ptak, P.E.  
Signature of Authorized Signee:   
Title: Principal Engineer Date: 01/24/2022

 **ORLAND PARK**  
**CERTIFICATE OF COMPLIANCE**

The undersigned Rajan Singla, as Construction Materials Manager  
*(Enter Name of Person Making Certification)* *(Enter Title of Person Making Certification)*  
and on behalf of Geo Serivces, Inc., certifies that:  
*(Enter Name of Business Organization)*

**1) BUSINESS ORGANIZATION:**

The Proposer is authorized to do business in Illinois: Yes [x] No [ ]

Federal Employer I.D.#: 36-4390972  
*(or Social Security # if a sole proprietor or individual)*

The form of business organization of the Proposer is (*check one*):

- Sole Proprietor  
 Independent Contractor (*Individual*)  
 Partnership  
 LLC  
 Corporation Illinois 2000  
*(State of Incorporation)* *(Date of Incorporation)*

**2) ELIGIBILITY TO ENTER INTO PUBLIC CONTRACTS: Yes [x] No [ ]**

The Proposer is eligible to enter into public contracts, and is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3, or 33E-4 of the Illinois Criminal Code, or of any similar offense of "Bid-rigging" or "Bid-rotating" of any state or of the United States.

**3) SEXUAL HARASSMENT POLICY: Yes [x] No [ ]**

Please be advised that Public Act 87-1257, effective July 1, 1993, 775 ILCS 5/2-105 (A) has been amended to provide that every party to a public contract must have a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4) and includes, at a minimum, the following information: (I) the illegality of sexual harassment; (II) the definition of sexual harassment under State law; (III) a description of sexual harassment, utilizing examples; (IV) the vendor's internal complaint process including penalties; (V) the legal recourse, investigative and complaint process available through the Department of Human Rights (the "Department") and the Human Rights Commission (the "Commission"); (VI) directions on how to contact the Department and Commission; and (VII) protection against retaliation as provided by Section 6-101 of the Act. (Illinois Human Rights Act). (emphasis added). Pursuant to 775 ILCS 5/1-103 (M) (2002), a "public contract" includes "...every contract to which the State, any of its political subdivisions or any municipal corporation is a party."

4) EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE: Yes [x] No [ ]

During the performance of this Project, Proposer agrees to comply with the "Illinois Human Rights Act", 775 ILCS Title 5 and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, et seq. The

Proposer shall: (I) not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; (II) examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization; (III) ensure all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, marital status, national origin or ancestry, age, or physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; (IV) send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations for Public Contract; (V) submit reports as required by the Department's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts; (VI) permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts; and (VII) include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Agreement obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Proposer will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Proposer will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations. Subcontract" means any agreement, arrangement or understanding, written or otherwise, between the Proposer and any person under which any portion of the Proposer's obligations under one or more public contracts is performed, undertaken or assumed; the term "subcontract", however, shall not include any agreement, arrangement or understanding in which the parties stand in the relationship of an employer and an employee, or between a Proposer or other organization and its customers. In the event of the Proposer's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Right Act, or the Rules and Regulations for Public Contracts of the Department of Human Rights the Proposer may be declared non-responsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this agreement may be canceled or avoided in whole or in part, and such other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

5) TAX CERTIFICATION:            Yes [x]   No [ ]

Contractor is current in the payment of any tax administered by the Illinois Department of Revenue, or if it is: (a) it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or (b) it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

6) AUTHORIZATION & SIGNATURE:

I certify that I am authorized to execute this Certificate of Compliance on behalf of the Contractor set forth on the Proposal, that I have personal knowledge of all the information set forth herein and that all statements, representations, that the Proposal is genuine and not collusive, and information provided in or with this Certificate are true and accurate. The undersigned, having become familiar with the Project specified, proposes to provide and furnish all of the labor, materials, necessary tools, expendable equipment and all utility and transportation services necessary to perform and complete in a workmanlike manner all of the work required for the Project.

**ACKNOWLEDGED AND AGREED TO:**



\_\_\_\_\_  
Signature of Authorized Officer

Rajan Singla

\_\_\_\_\_  
Name of Authorized Officer

Construction Materials Manager

\_\_\_\_\_  
Title

01/24/2022

\_\_\_\_\_  
Date

## REFERENCES

Provide three (3) references for which your organization has performed similar work.

**Bidder's Name:** Geo Serivces, Inc.  
*(Enter Name of Business Organization)*

- |                 |  |
|-----------------|--|
| 1. ORGANIZATION | <u>Crawford, Murphy &amp; Tilly</u>                      |
| ADDRESS         | <u>600 N. Commons Drive, Suite 107, Aurora, IL 60504</u> |
| PHONE NUMBER    | <u>630-820-1022</u>                                      |
| CONTACT PERSON  | <u>Kevin Nelson</u>                                      |
| YEAR OF PROJECT | <u>20+ years</u>   |
| 2. ORGANIZATION | <u>AECOM</u>   |
| ADDRESS         | <u>750 Corporate Woods Pkwy, Veron Hills, IL 60061</u>   |
| PHONE NUMBER    | <u>847-279-2500</u>                                      |
| CONTACT PERSON  | <u>Bill Weaver</u>                                       |
| YEAR OF PROJECT | <u>15+ years</u>   |
| 3. ORGANIZATION | <u>T.Y. Lin International</u>                            |
| ADDRESS         | <u>200 S Wacker Dr, Suite 1400, Chicago, IL 60606</u>    |
| PHONE NUMBER    | <u>312-296-6118</u>                                      |
| CONTACT PERSON  | <u>Bruce Bushnell</u>                                    |
| YEAR OF PROJECT | <u>20+ years</u>   |



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/23/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> DSP Insurance Services 1900 E Golf Rd Ste 650  Schaumburg IL 60173	<b>CONTACT NAME:</b> Bobby Schutz <b>PHONE (A/C. No. Ext):</b> (847) 934-6100 <b>E-MAIL ADDRESS:</b> dfinlon@dspins.com	<b>FAX (A/C. No.):</b> (847) 934-6186
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> Geo Services, Inc.  805 Amherst Ct. #204  Naperville IL 60565	<b>INSURER A:</b> Cincinnati Insurance Company <b>NAIC #</b> 10677	
	<b>INSURER B:</b> Insurance Company of the West <b>27847</b>	
	<b>INSURER C:</b> RSUI Indemnity Co. <b>22314</b>	
	<b>INSURER D:</b> Travelers Prop&Cas Co of America <b>25674</b>	
	<b>INSURER E:</b> Arch Insurance Company <b>11150</b>	
	<b>INSURER F:</b> Rockhill Insurance Company <b>28053</b>	

**COVERAGES**

CERTIFICATE NUMBER: Cert ID 33225

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			ENP0394344	07/01/2021	07/01/2022	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			EBA0393396	07/01/2021	07/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$			ENP0394344	07/01/2021	07/01/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WIL503403905	07/01/2021	07/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Professional Liability			PAAEP0135301	12/20/2021	12/20/2022	\$2 Mil Aggregate; Each Claim: \$ 2,000,000
F	Pollution			ENP0000104-05	07/01/2021	07/01/2022	\$5 mil Occurrence; Aggregate: \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

SAMPLE	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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## CONSTRUCTION INSPECTION PROJECT EXPERIENCE & REFERENCES

### ***Construction Inspection and Construction Quality Assurance, CDOT, Chicago, IL***

Construction Inspection, Quality Assurance. Avg. \$5.0 M

*Client: TranSystems Corporation for Chicago Department of Transportation*

Engineering Services include: provide a Materials Coordinator/Geotechnical Engineer who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing. Anthony Albert, PE, Phone # (312) 669.9601

### ***Public Works, Mount Prospect, IL- Village of Mt. Prospect, Construction Inspection and Quality Assurance, \$25 K.***

*Client: Village of Mt. Prospect*

Engineering Services include: provide a Materials Coordinator/Geotechnical Engineer who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site construction inspection, concrete, asphalt and aggregate testing and inspection services; prepare reports summarizing the results of the laboratory testing. Dan Randolph, PE #847.590.8865

### ***Public Works, Retaining Wall and Parking Lot – Village of Lincolnwood, Construction Inspection and Quality Assurance, \$12 K***

*Client: Gewalt Hamilton Associate, Inc.*

Engineering Services include: provide a Materials Coordinator who coordinates the materials testing and inspection services for the project; provided technicians on an as-requested basis to perform on-site, concrete, asphalt and aggregate testing and inspection services; preparing reports and summarizing results of the laboratory testing results.

### ***Public Works, Skokie, IL – Village of Skokie, Quality Assurance, \$6 K***

*Client: Gewalt Hamilton Associate, Inc.*

Engineering Services include: provide a Materials Coordinator who coordinates the materials testing and inspection services for the project; provided technicians on an as-requested basis to perform on-site, concrete and aggregate testing and inspection services; preparing reports and summarizing results of the laboratory testing results. Vick Rubando, #847.708.9420

### ***Public Works, Skokie, IL – Village of Skokie, Quality Assurance, \$118 K***

Nicor Gas Company Skokie Site located at the southwest corner of the intersection of Oakton Street and McCormick Boulevard in Skokie, IL

*Client: Burns & McDonnell*

Engineering Services include: provide a Materials Coordinator who coordinates the materials testing and inspection services for the project; provided technicians on an as-requested basis to perform on-site, concrete and aggregate testing and inspection services; preparing reports and summarizing results of the laboratory testing results. Scott Myers, Phone # (630) 724-3200

**Arsenal Road Interchange at I-55, Will County - Construction Inspection**

*Client: Knight EA. for IDOT (PTB 151-001)*

Phase III Engineering Services include: provide a Materials Coordinator/Construction Inspection (IDOT QA/QC) who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site soil, concrete, bituminous and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**US 30 (Lincoln Highway) from Williams Street to IL 43 (Harlem Avenue) Will County - Construction Inspection**

*Client: V3 for IDOT (PTB 155-007)*

Phase III Engineering Services include: provide a Materials Coordinator/Construction Inspection (IDOT QA/QC) who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site soil, concrete, bituminous and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**IL 59, Caton Road to IL 126, Plainfield, IL- Construction Inspection**

*Client: Alfred Benesch & Co. for the IDOT (PTB 147-004)*

Engineering Services include: provide a Materials Coordinator/Construction Inspection (IDOT QA/QC) who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site pile driving inspection, soil, concrete, bituminous and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**ISTHA I-90 Retaining Wall, Noise Wall and Bridge Widening - Construction Inspection, Quality Assurance**

*Client: Alfred Benesch & Co. for ISTHA (ISTHA Project I-13-4102)*

Engineering Services include: provide a Materials Coordinator/Geotechnical Engineer (IDOT QA/QC) who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site pile driving inspection, soil, concrete, bituminous and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**ISTHA I-88, IL 53 to IL 83- Construction Inspection, Quality Assurance**

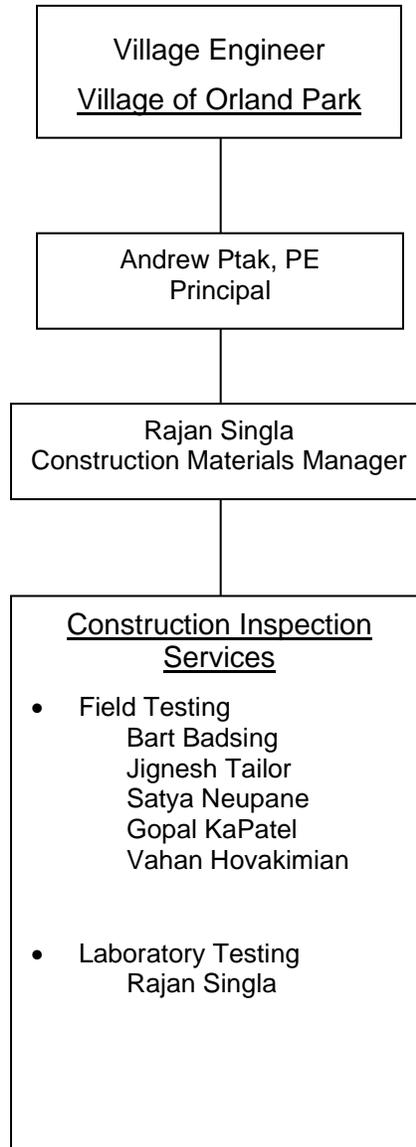
*Client: Alfred Benesch & Co. for ISTHA (ISTHA Project I-08-5494)*

Engineering Services include: provide a Materials Coordinator/Geotechnical Engineer (IDOT QA/QC) who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site pile driving inspection, soil, concrete, bituminous and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

# ORGANIZATIONAL CHART

Geo Services, Inc.

Professional Services for Geotechnical Engineering and  
Quality Assurance/Quality Control Inspection Services



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**EXPERTISE**

Principal Engineer; Geotechnical, Environmental and Civil Engineering

As a project manager, Mr. Ptak has been responsible for management of construction inspection, materials testing and geotechnical projects. Duties have included review and preparation of engineering reports relating to materials, construction, geotechnical, environmental site assessments, geo-environmental, and pavements. Mr. Ptak also manages the laboratory construction testing services.

Mr. Ptak is a Registered Professional Engineer experienced in analysis of shallow and deep foundations, excavation and lateral support requirements, slope stability, settlement embankment construction, and pavement analysis and construction, and QA/QC quality control.

Mr. Ptak has prepared and reviewed specifications for numerous city and state and federal projects including: Chicago Shoreline Protection Project, Chicago Skyway Project, McDonough Street Bridge Reconstruction. Mr. Ptak has over 12 years experience has experience as a designer and a construction overseer on construction projects throughout the state. Mr. Ptak has a civil engineering degree and background in geotechnical as well as materials.

**ACADEMIC  
BACKGROUND**

MSCE University of Illinois, Champaign-Urbana 1993 Geotechnical/Structural  
BSCE University of Illinois, Champaign-Urbana 1992 Civil Engineering

**PROFESSIONAL  
REGISTRATIONS AND  
MEMBERSHIPS**

Registered Professional Engineer, Illinois 1998, No. 062-052031  
Officer, American Society of Civil Engineers - Illinois Geotechnical Section Recipient  
of the Walter E. Hanson Graduate Study Scholarship (1992),

**EXPERIENCE**

Mr. Ptak's professional experience includes:

- ◆ CTA Red Line Station improvements located at Argyle, Berwyn, Jarvis, Lawrence, Morse and Thorndale stations. – Project Manager responsible for coordinating the Geotechnical Investigation and project report preparation. Services included: geotechnical investigation; perform necessary laboratory analysis; provide a summary of all borings describing the material type and layer thickness; prepare an engineering report.
- ◆ Dan Ryan Track Renewal CTA Red Line from 19<sup>th</sup> Street to Interstate 57. Project Manager responsible for coordinating the Geotechnical Investigation and project report preparation. Services included: geotechnical investigation; perform necessary laboratory analysis; provide a summary of all borings describing the material type and layer thickness; prepare an engineering report.
- ◆ I-57 and I-294 Interchange. Project Manager and Geotechnical Engineer responsible for field work coordination and work with staff in analyzing results of over 600 structural and survey soil borings, laboratory testing and preparation of engineering report for proposed improvements. The proposed improvements include construction of Interchange I-57 at Tri-State Tollway, partial interchange Tri-State Tollway ay IL 83 (147<sup>th</sup> St), improvement to the interchange I-57 at IL 83 (147<sup>th</sup> St.), widening of approximately 2.9 miles of I-57 from 3 lanes to 4 lanes, new ramps and collector distributor roads at I-57 and I-294.
- ◆ ISTHA I-90 Jane Addams Memorial Tollway Mainline Roadway Widening and Reconstruction from I-290 to Oakton Avenue (ISTHA Contract I-11-4016). Project Engineer assisting the geotechnical investigation for the proposed improvements. Including performing over 700 total soil borings (total lineal footage in excess of 24,000 ft) for 3 bridge structures, 5 lineal miles of roadway widening improvements, median and shoulder, pavement borings, noise walls, retaining walls, culverts, and road signs (ISTHA Contract I-11-5633). Work included the design of specialized ground modification and improvement techniques (stone columns) along the corridor for support of retaining walls, culverts and roadways where difficult subsurface conditions consisting of deep peat layers

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were present to approximately 30 feet in depth and removal and replacement was not economically feasible.

- ◆ 130<sup>th</sup> and Torrance Avenue Proposed Improvements, Chicago, IL Project Manager responsible for coordinating the Geotechnical Investigation and preparing reports for relocation of the South Shore Rail Road Line and ancillary structures. Work included the complicated process of creating an underpass for 130<sup>th</sup> Street as well as Torrance Avenue under two major rail-lines while keeping both of those rail lines active during construction. Further complicating matters, a MWRD deep sewer line traverses the site and could not be affected by the earth retention systems being installed (anchored sheeting design). Due to the various difficult subsurface conditions consisting of granular soils with a very high groundwater table at the site, multiple bentonite cut-off walls were needed to create a "bath-tub" for the underpass during construction as well.
- ◆ Hoosier Southern Railroad (HSRR) Bridges, Perry and Spencer Counties, IN Project manager for a project involving the reconstruction of six (6) railroad bridges over various creeks and rivers in southern Indiana. Engineering services for the proposed improvements included drilling of the sub-structures with an ATV drill-rig from difficult access areas at both track-level through existing ties and at creek/river level and preparation of geotechnical recommendations for deep foundations for the reconstructed railroad bridges.
- ◆ Various Forest Preserve Site, Cook County –Project Manager responsible for field work coordination and work with staff in analyzing results of numerous soil borings, laboratory testing and preparation of engineering report.
- ◆ Blackwell Forest Preserve Site, DuPage County –Project Manager responsible for field work coordination and work with staff in analyzing results of numerous soil borings, laboratory testing and preparation of engineering report.
- ◆ Geotechnical exploration and technical report preparation for numerous downtown Chicago multi-story high rise structures including One North Wacker Drive, Chicago, IL, New Soldier Field Renovation Project (a \$350 million project), Deer Run intermodal transfer facility (at the Joliet Arsenal, Joliet, IL), water treatment facilities for the Lake Forest Water Treatment expansion, earth retention designs for the Chicago River Corridor Project and Senior Healthcare facilities at the Glenview Naval Air station conversion, Glenview, IL.; sheet pile wall system design for the Chicago Shoreline Project (Montrose Harbor, 54<sup>th</sup> to 57<sup>th</sup> Street) and ABN Amro Building at 540 West Madison; soil nail anchor wall design for the Shedd Aquarium basement expansion for Philippines exhibit; performing slope stability analysis for numerous earthwork projects using XSTABL, performing seismic analysis of slopes using SHAKE and permanent deformation analysis using DISPLMT.

**COURSES AND  
CERTIFICATIONS**

IDOT QA/QC Level III Concrete  
IDOT QA/QC Level III HMA  
IDOT S-33 Soil Field Testing and Inspection  
IDOT QA/QC Mixture Aggregate Technician Course  
IDOT Documentation of Contract Quantities  
IDOT Understanding Specification  
IDOT Piling  
Radiation Safety Training (Nuclear Moisture-Density Gauges)  
ACI PCC Technician Course

**EXPERTISE**

Construction Materials Manager/Laboratory Manager, Construction Quality Control Quality Assurance (QC/QA), Materials Testing.

**EXPERIENCE**

Mr. Singla, a Construction Materials Manager, responsible for quality assurance/quality control of construction inspection and materials testing projects, including the supervision of field technicians. Duties have included field inspection, laboratory testing, document control and management, and report preparation. Mr. Singla is familiar and experienced with IDOT and ISTHA guidelines, standards and specifications. an Engineering Associate, is an experienced materials coordinator, field engineer, construction inspector and materials tester level II. He has been responsible for quality control inspection services for soils, asphalt and concrete and testing to assure conformation to job specifications on numerous projects in the Chicago land area. Experienced in materials inspection at projects of various magnitudes. Duties have included field and laboratory inspection of soil, concrete, aggregates and asphalt in accordance with ASTM and other applicable standards.

**REPRESENTATIVE PROJECTS**

Midway Airport, City of Chicago, IL, Quality Assurance and Materials Testing Services  
Materials Coordinator performs on-site as QA services include batch and field inspection for both bituminous and concrete materials, soil testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

US 30 (Lincoln Highway) from Williams Street to IL 43 (Harlem Avenue) Will County  
Field Engineer/Inspector responsible for material Quality Assurance and on-site construction inspection. He was responsible for material Quality Assurance documentation review and data entry. Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

ISTHA ORT I-294 at Cermak Road, Irving Park Road and 83<sup>RD</sup> Street Plazas, Cook County, IL  
Field Engineer/Inspector responsible for material Quality Assurance and on-site construction inspection. He was responsible for material Quality Assurance documentation review and data entry. STV Incorporated 200 West Monroe Street Suite 1650, Chicago, IL 60606, Dennis Ramm, (312) 553-4169. Owner: Illinois State Highway Tollway Administration, (ISTHA Contract I-05-5420)

CDOT 2005-2011 Construction Inspection and Construction Quality Assurance, Chicago, IL  
Client: TranSystems Corporation for Chicago Department of Transportation  
Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

Arsenal Road Interchange at I-55, Will County - Construction Inspection. Project Manager who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site soil, concrete, bituminous and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

Northeast Quadrant Apron Phase 1, Aurora Municipal Airport, Aurora, IL – Project ARR-3442  
Client: Crawford Murphy & Tilly (CMT)  
Engineering associate perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform core density and Beam testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

I-294 Widening: Dempster Street to Touhy Street, Cook County, IL  
Project No. RR-02-5116. Client: Lorig Construction  
Materials Coordinator performs on-site as QA services include batch and field inspection for compaction control of backfilled, soil and aggregate base course testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.



Block 37 Construction Inspection and Construction Quality Assurance, Chicago, IL Client: Kiewit-Reyes JV. Project Engineer as well as field engineer responsible to perform on-site construction inspection, soil and concrete, inspection services.

CDOT 2005-2011 Construction Quality Control/Assurance, Chicago, IL Client: TranSystems Corporation for Chicago Department of Transportation Field Engineer responsible to perform plant and on-site construction inspection, soil, concrete, and aggregate.

**COURSES AND  
CERTIFICATIONS**

Bachelor of Science, UIC  
ACI PCC Technician Course  
IDOT QA/QC Mixture Aggregate Technician Course  
IDOT QA/QC Level III PCC  
IDOT QA/QC Level II HMA  
IDOT Geotechnical Field Testing and Inspection (17-12397, Exp: 1/19/21)  
IDOT Documentation of Contract Quantities (S-14)  
IDOT Geo-technical Field Testing & Inspection (S-33)

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<b>EXPERTISE</b>	Material Tester II, Construction Inspection, Project Engineering Associate Geotechnical and Construction Engineering
<b>EXPERIENCE</b>	Mr. Badsing, an Engineering Associate, is an experienced Field Engineer and Senior Construction Inspector. He has been responsible for quality control inspection services for soils, asphalt and concrete and testing to assure conformation to job specifications on numerous project in the Chicagoland area. Experienced in materials inspection at projects of various magnitudes. Duties have included field and laboratory inspection of soil, concrete, aggregates and asphalt in accordance with ASTM and other applicable standards.
<b>REPRESENTATIVE PROJECTS</b>	<p>Midway Airport, City of Chicago, IL, Quality Assurance and Materials Testing Services Materials Coordinator performs on-site as QA services include batch and field inspection for both bituminous and concrete materials, soil testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.</p> <p>ISTHA ORT Plaza 66, I-88 DeKalb, DeKalb, IL Owner: Illinois State Tollway Highway Administration. Field Engineer/Inspector responsible for Material Quality Assurance and on-site construction inspection. Performed soil, concrete, and aggregate testing and inspection services. Responsible for Material Quality Assurance documentation review and data entry.</p> <p>Wacker Drive Reconstruction, Contracts B and C, Chicago, Illinois. Senior Technician responsible for concrete inspection and testing. T Y Lin International BASCOR, 5960 N. Milwaukee, Chicago, IL 60646 (773) 792-9000. Construction Inspection cost \$500,000. Owner: City of Chicago, Department of Transportation (CDOT Projects E-5-432-B and E-5-432-C).</p> <p>CDOT 2005 thru 2016 Construction Inspection/Construction Quality Assurance, Chicago, IL Client: TranSystems Corporation for Chicago Department of Transportation Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.</p> <p>2006-2009 O'Hare Airport, Construction Inspection and Construction QA, Chicago, IL Client: STS for Chicago Department of Transportation Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.</p> <p>Block 37 Construction Inspection and Construction Quality Assurance, Chicago, IL Client: Kiewit-Reyes JV. Project Engineer as well as field engineer responsible to perform on-site construction inspection, soil and concrete and inspection services</p>
<b>COURSES AND CERTIFICATIONS</b>	Rochester Institute of Technology, Rochester, New York ACI PCC Technician Course IDOT QA/QC Mixture Aggregate Technician Course IDOT QA/QC Level II PCC IDOT QA/QC Level I HMA IDOT Geo-technical Field Testing & Inspection (S-33)

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<b>EXPERTISE</b>	Material Tester II, Construction Inspection, Project Engineering Associate Geotechnical and Construction Engineering
<b>EXPERIENCE</b>	<p>Mr. Tailor has broad experience as a Staff Engineer in the areas of Geotechnical, Construction and Transportation Engineering. He has been responsible for supervising, field investigation and testing to assure conformation to job specifications on numerous residential, commercial and industrial projects. Responsible for quality control inspection and testing of soils and concrete. Experience in materials inspection at projects of various sizes. Duties include laboratory testing and inspection of soil, concrete and asphalt in accordance with ASTM and other applicable standards</p> <p>Mr. Tailor has been responsible for preparing plans, specifications, and contract documentation for infrastructure facilities. He has been responsible for foundation evaluations, foundation layouts, caisson inspections, and earthwork monitoring.</p>
<b>REPRESENTATIVE PROJECTS</b>	<p>Mr. Tailor's experience includes:</p> <p>City of Chicago O'Hare Modernization Program, Chicago, IL Materials Coordinator performs on-site as QA services include batch and field inspection for both bituminous and concrete materials, soil testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.</p> <p>Arsenal Road Interchange at I-55, Will County - Construction Inspection. Project Manager who coordinates the materials testing and inspection services for the project; provide material technicians on an as-requested basis to perform on-site soil, concrete, bituminous and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.</p> <p>US 30 (Lincoln Highway) from Williams Street to IL 43 (Harlem Avenue) Will County Field Engineer/Inspector responsible for material Quality Assurance and on-site construction inspection. He was responsible for material Quality Assurance documentation review and data entry. Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.</p> <p>I-294 Widening: Dempster street to Touhy Street, Cook County, IL Project No. RR-02-15116. Client: Lorig Construction Materials Coordinator performs on-site as QA services include batch and field inspection for compaction control of backfilled, soil and aggregate base course testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.</p> <p>CDOT 2005 thru 2011 Construction Inspection/Construction Quality Assurance, Chicago, IL Client: TranSystems Corporation for Chicago Department of Transportation Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.</p>
<b>COURSES AND CERTIFICATIONS</b>	<p>ACI PCC Technician Course IDOT QA/QC Mixture Aggregate Technician Course IDOT QA/QC Level III PCC IDOT QA/QC Level II HMA IDOT Documentation of Contract Quantities (19-15431, Exp 3/6/23) IDOT Geotechnical Field Testing and Inspection (S-33)</p>

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**EXPERTISE**

Material Tester/Field Engineer, Construction Inspection

**EXPERIENCE**

Mr. Neupane, a Field Engineer/construction inspection, is an experienced Field Engineer and Senior Construction Inspector. He has been responsible for quality control inspection services for soils, asphalt and concrete and testing to assure conformation to job specifications on numerous project in the Chicagoland area. Experienced in materials inspection at projects of various magnitudes. Duties have included field and laboratory inspection of soil, concrete, aggregates and asphalt in accordance with ASTM and other applicable standards.

**REPRESENTATIVE PROJECTS**

Lake In The Hills Airport Improve Runway 8/26 Safety Area, Project: 3CK-4404, Lake In The Hills, IL

Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

Rockford Airport, Maintenance, Repair, and Overhaul (MRO) Facility, Phase I, Rockford, IL

Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

Metra UP North Line, Contract K91049, Chicago, IL

Field Engineer responsible to perform on-site construction inspection, concrete, and aggregate testing and inspection services.

CDOT Construction Inspection/Construction Quality Assurance, Chicago, IL

Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

Weber Road Widening Gaskin Drive to Airport Road FAP Route 856 (Weber) Job No. Non-MFT #11-00170-39-FP Will County, IL

Field Engineer responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

CDWM Sewer Improvement Projects.

Material Tester perform on-site sewer installation observation/inspection, concrete, soil, and aggregate testing services, on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**COURSES AND CERTIFICATIONS**

Geo Services Radiation Safety Training (Nuclear Moisture-Density Gauges)

ACI PCC Technician Course

IDOT QA/QC Level I PCC

IDOT QA/QC Aggregate Technician Course

IDOT QA/QC Level I HMA

IDOT Geotechnical Field Testing and Inspection (S-33)

IDOT Documentation of Contract Quantities (19-15202, Exp: 1/24/23)

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**EXPERTISE**

Material Tester/Field Engineer, Construction Inspection

**EXPERIENCE**

Mr. Patel has broad experience as a Project Engineer in the areas of Geotechnical and Construction Engineering. He has been responsible for management, field inspection and testing to assure conformation to job specifications on numerous residential, commercial and industrial projects. Responsible for quality control inspection and testing of soils, concrete and asphalt. Experience in materials inspection at projects of various sizes. Duties include laboratory testing and inspection of soil, concrete and aggregates in accordance with ASTM and other applicable standards

Mr. Patel has been responsible for preparing plans, specifications, construction cost estimates and contract documentation for infrastructure facilities. He has been responsible for foundation evaluations, structural design, foundation layouts, caisson inspections, and earthwork monitoring.

**REPRESENTATIVE PROJECTS**

**Peoria International Airport, Reconstruct Terminal Apron – Phase 1 and 2, Peoria, IL**  
Material Tester perform on-site sewer installation observation/inspection, concrete, soil, and aggregate testing services, on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**Green Bay Packing Warehouse / Office Development, Downers Grove, IL**  
Engineering Technician responsible to perform on-site construction inspection, Environmental Testing, Photo-Ionization Detection (PID) testing on soil removal to CCDD facility's, soil, concrete and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**CDOT Construction Inspection/Construction Quality Assurance, Chicago, IL**  
Engineering Technician responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**Metra UP North Line, Contract K91049, Chicago, IL**  
Engineering Technician responsible to perform on-site construction inspection, soil, concrete, and aggregate testing and inspection services; perform batch plant testing services on an as requested basis; prepare reports summarizing the results of the laboratory testing.

**COURSES AND CERTIFICATIONS**

**Kankakee Airport Perimeter Safety/Wildlife Fence-Phase 1A**  
Material Tester perform on-site sewer installation observation/inspection, concrete, soil, and aggregate testing services, on an as requested basis; prepare reports summarizing the results of the laboratory testing.

Geo Services Radiation Safety Training (Nuclear Moisture-Density Gauges)  
ACI PCC Technician Course  
IDOT QA/QC Level II PCC  
IDOT QA/QC Level II HMA  
IDOT QA/QC Aggregate Technician Course  
IDOT Geotechnical Field Testing and Inspection (S-33)  
IDOT Documentation of Contract Quantities (18-14035, Exp: 11/29/22)

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**EXPERTISE**

Project Engineer

Mr. Hovakimian is an Assistant Resident Engineer/Project Engineer has been responsible for management of a wide range of geotechnical, environmental, construction inspection and materials testing projects. His duties have included field inspection, laboratory testing, document control and management, review and preparation of engineering reports relating to subsurface exploration, in-situ testing and instrumentation, construction materials, geotechnical, geo-environmental and pavement assessments. Mr. Hovakimian is also experienced in soil stabilization, compaction, earthwork observations and concrete testing observations, deep and shallow foundation construction testing, flexible and rigid pavement evaluation, non-destructive methods for concrete compressive strength testing and recommendations, pile driving observations and caisson installation and roadway construction.

**ACADEMIC  
BACKGROUND**

MS Civil Engineering, Midwest College of Engineering/ Illinois Institute of Technology  
BS Civil Engineering, University of Illinois at Chicago

**REPRESENTATIVE  
PROJECTS**

Mr. Hovakimian's technical project experience includes coordinating field work and staff, field data collection and documentation of Phase I Preliminary Environmental Site Assessment (PESA) and CCDD findings, analyzing results of soil borings and laboratory testing as well as preparation of figures and technical reports including the following representative examples:

- Various ISTHA Contracts (I-12-4066, I-13-5676, I-13-4600, I-13-4608, I-11-4019 & I-17-4296)
- Various CDWM Ancillary Sewer Construction (Project Numbers 6790B, 6790A, 6091A)
- HSR Chicago to St. Louis Environmental Investigation, Chicago, IL.
- CREATE WA-4 Railroad Signal Phase II Environmental Investigation, Chicago, IL.
- CDWM TOR 15-11 Phase II Environmental Investigation, Chicago, IL.
- CDWM TOR 16-2 Phase II Environmental Investigation, Chicago, IL.
- JAWA Water Main Reconstruction at I-190 Crossing, Chicago, IL.
- McCormick Boulevard Sewer Improvement, Cook County, IL (IDOT PTB 158-009, WO #48)

Mr. Hovakimian has overseen the successful completion of various Construction Inspection/Material Testing Projects including the following:

- Various ISTHA Contracts (I-12-4066, I-13-5676, I-13-4600, I-13-4608, I-11-4019 & I-17-4296)
- Various DWM Ancillary Sewer Construction (CDWM Project Numbers 6790B, 6790A, 6091A)
- Weber Road Widening Gaskin Drive to Airport Road FAP Route 856 (Weber) Job No. Non-MFT #11-00170-39-FP Will County, IL Hines Veterans Hospital, Hines, IL
- Runway 12/30 Reconstruction Palwaukee Airport, Wheeling, IL
- Various CTA Projects (Belmont and Garfield Stations Improvements, 63<sup>rd</sup> Street Yard-Non-Revenue Rail Vehicle Maintenance Facility, East Lake- Broadway, Milwaukee, Illinois Substation Upgrades)

**COURSES AND  
CERTIFICATIONS**

ACI PCC Technician Course  
IDOT QA/QC Mixture Aggregate Technician Course  
IDOT QA/QC Level I PCC  
IDOT QA/QC Level I HMA  
IDOT Geotechnical Field Testing & Inspection (S-33)



# Illinois Department of Transportation

Office of Highways Project Implementation / Region 1 / District 1  
201 West Center Court / Schaumburg, Illinois 60196-1096

Consultant: Geo Services, Inc.  
1235 East Davis Street  
Arlington Heights, IL 60005

The above consultant has the required equipments to perform the following tests:  
(only checked items apply)

Item	Requirements
TOPSOIL ✓	Page 2: A & I, Page 3: Organic Matter & pH of Soils
LABORATORY ✓	Page 2: B-H, Page 2 & 3: up to Specific Gravity
LAB and FIELD ✓	Page 4 & 5

All equipments, as indicated above, have been inspected and are physically present at the captioned consultant facility. Any exceptions are noted and no approval for that portion is now given. This equipment inspection in no way attests to the ability or qualification of the captioned consultant facility to perform the required tests. Re-inspection is required on an annual basis. This certification expires one year from the signed date below.

This inspection does not relieve the consultant from AASHTO Accreditation inspection which is requirement for prequalification in the Geotechnical Services category. IDOT will not require full accreditation in all soil tests, but there are four crucial tests that impact foundation design, embankment stability analysis, and construction recommendations. The four tests are unconfined compressive strength test (AASHTO T 208), consolidation test (AASHTO T 216), UU triaxial compression test (AASHTO T 296), and CU triaxial compression test (AASHTO T 297).

IDOT Representative: Philayouth Phaiboun	
Date: 01/27/2021	

## CONSULTANT SOILS LABORATORY EQUIPMENT CHECKSHEET

The consultant will be expected to perform the following laboratory test procedures

- A. ✓ Organic Matter in Soils by Wet Combustion (AASHTO T 194)
- B. ✓ Standard Proctor (AASHTO T 99)
- C. ✓ Modified Proctor (AASHTO T 180)
- D. ✓ Specific Gravity of Soils (AASHTO T 100)
- E. ✓ Atterberg Limits (AASHTO T 89 and T 90)
- F. ✓ Particle Size Analysis of Soils (AASHTO T 88)
- G. ✓ Moisture Content of Soils (AASHTO T 265)
- H. ✓ Sieve Analysis of Fine and Coarse Aggregate (AASHTO T 27)
- I. ✓ pH of Soils (ASTM D 4972)

### General Equipment:

- Sieves:
- |   |   |
|---|---|
| <input checked="" type="checkbox"/> 3 in.     | <input checked="" type="checkbox"/> 3/8 in. |
| <input checked="" type="checkbox"/> 2 in.     | <input checked="" type="checkbox"/> No. 4   |
| <input checked="" type="checkbox"/> 1 1/2 in. | <input checked="" type="checkbox"/> No. 10  |
| <input checked="" type="checkbox"/> 1 in.     | <input checked="" type="checkbox"/> No. 40  |
| <input checked="" type="checkbox"/> 3/4 in.   | <input checked="" type="checkbox"/> No. 100 |
| <input checked="" type="checkbox"/> 1/2 in.   | <input checked="" type="checkbox"/> No. 200 |
| <input checked="" type="checkbox"/> Pan       | <input checked="" type="checkbox"/> Cover   |

Sieve Shaker  Brand: RANKART Sieve Size: 12"

Oven (110°C ± 5°C)  Brand: QUINCY LAB

Balance, 12 kg  Brand: METTLER TOLEDO

Moisture Content Containers

Soil Dispersion Mixer  Brand: HAMILTON BEACH

### Particle Size Analysis of Soils (T 88)

- Hydrometer  Sedimentation Cylinder  Thermometer   
Beaker, 250 mL  or 500 mL   
Glass Rod   
Timer   
Distilled Water   
Sodium Hexametaphosphate

**CONSULTANT SOILS LABORATORY EQUIPMENT CHECKSHEET, cont.**

**Liquid Limit Apparatus (T 89):** Grooving Tools: Curved  or Flat

Dish  Spatula  LL Device: Manual  or Automatic

**Plastic Limit Apparatus (T 90):** Rolling Plate: Coarse  or Smooth

**Proctor Apparatus (T 99 or T 180):**

Molds: 4-inch  6-inch

Rammers: 5.5-lb/12-inch

10-lb/18-inch

Balance and Straightedge

**Specific Gravity of Soils (T 100):**

Volumetric Flask, 100 mL  500 mL

Vacuum Pump  or Hot Plate

Water Bath

**Organic Matter in Soils by Wet Combustion (T 194):**

Analytical Balance (Readability to 0.001 g)

Volumetric Flask, 1000 mL

Storage Bottle for Solution, min. 1000 mL (2)

Erlenmeyer Flask, 400 mL

Burette, 50ml (2)  Holder  Stand

Graduated Cylinders, 250 mL  25 mL

Dropping Bottle for Solution (2)

Washing Bottle

Transfer Pipets (optional), 10 mL  20 mL

Heat Resistant Pad

1 N Potassium Dichromate

0.5 N Ferrous Sulfate

Barium Diphenylamine-Sulfonate

Sulfuric Acid (not less than 96%)

Phosphoric Acid (85%)

**pH of Soils (ASTM D 4972):**

pH Meter

Buffer Solution: 4.0  7.0

Glass Container

Distilled Water

Calcium Chloride Solution (0.01M)

CONSULTANT SOILS LABORATORY EQUIPMENT CHECKSHEET, cont.

Consultant engineers on State projects are required to perform the following field tests:

- A. ✓ In-situ Moisture/Density Determination (AASHTO T 191 or T 310)
- B. ✓ Unconfined Compressive Strength of Cohesive Soil (AASHTO T 208)
- C. ✓ In-situ subgrade stability determination and testing associated with the requirements of the IDOT Subgrade Stability Manual
- D. ✓ Field One-Point Proctor Determination (AASHTO T 272)

Consultant engineers on State projects are required to have the followings:

- ✓ A. **Access to IDOT Subgrade Stability Manual (May 2005):**  
Policies and guidelines for those involving in the design and construction of highways regarding stability of subgrade.
- ✓ B. **Cone Penetrometer:**  
DCP ✓  
60-degree cone, 5/8" rod, 17.6 pounds hammer, 22.6" drop height.  
SCP ✓  
30-degree cone, 5/8" rod, 150 pounds proving ring, 1/2" base area.
- ✓ C. **Soil Moisture/Density Determination Equipment:**  
Each nuclear gauge will be calibrated prior to the start of each construction season and the calibration data for each nuclear gauge used on a project will be submitted to the District Materials Engineer prior to the start of construction season. Five-block calibration is required for calibration of gauge. Sand-Cone is acceptable in lieu of the nuclear gauge. Nuclear gauge users must have current certification.
- ✓ D. **Rimac Spring Tester:**  
This equipment will be necessary on project having maximum applied service bearing pressure requirement and will be used for performing unconfined compressive strength test on spread footing. The compressive force shall be actuated by a modified unit with a spin type crank where the rate of load application is five revolutions per minute (5rpm). Shop drawings and other conversion data is available from the CBM's Geotechnical Engineer upon request. This conversion from the standard spring tester is required prior to any testing. This equipment shall be professionally inspected and calibrated every two years.

OK { SPRING COMPRESSED TO 1.5"  
LOAD = 157 LBS.

**CONSULTANT SOILS LABORATORY EQUIPMENT CHECKSHEET, cont.**

- E. **Pocket Penetrometer:**  
Calibrated in ton per square feet and kilograms per square centimeter and should be used to aid locating soft areas within a spread footing prior to performing unconfined compressive tests using the Rimac Tester and to aid in investigating soil strengths of any questionable soil conditions.
- F. **Mold and Rammer:**  
Cylindrical mold and the appropriate rammer for performing the following tests:  
1. AASHTO T 99: Standard Proctor. The consultant will have a set of one-point proctor/family of curves to perform field tests should soil conditions vary from those of previous laboratory test results. District One family of curves will be used for determination. This method is also used for Cement Aggregate Mixtures (CAM).  
2. AASHTO T 180 Method C: Modified Dry Density of Pozzolanic Aggregate Mixture (PAM)
- G. **Access to IDOT Geotechnical Manual (December 15, 2015):**  
This manual contains IDOT geotechnical guidelines in the areas of investigations, analysis, recommendations, reports, construction, geology and pedology, and laboratory and field testing of soils.
- H. **IDOT Consultant Prequalification:**  
Consultant must be prequalified in Construction Inspection, Subsurface Explorations, General Geotechnical Services, Structure Geotechnical Reports and/or Complex Geotechnical/Major Foundations.
- I. **Field Inspector Qualification:**  
Field Inspectors must have passed IDOT S-33 course "Soils Field Testing and Inspection". A list of inspectors and date passing will be submitted at time of the laboratory inspection.
- J. **AASHTO Accreditation:**  
If laboratory has AASHTO Accreditation, a list of accreditations will be submitted at time of laboratory inspection.



**ORLAND PARK**  
**Unit Price Sheet**  
**RFP 22-006**

**Soils and Material Testing and Engineering 2022-2024**

The undersigned, having become familiar with the Documents and Specifications on file in the office of the Owner as designated in the Request for Proposal, hereby proposes to provide and furnish all of the labor, materials, necessary tools, expendable equipment and all utility and transportation services necessary to perform and complete in a workmanlike manner all of the work required for and the work described in the following schedule in connection with the soils and material testing and engineering associated with the Village of Orland Park road improvements and utility excavations.

ITEM	DESCRIPTION - Personnel	Unit Price - (Per Hour)
1	Material Tester 1 / Level 1 ACI, HMA Technician (4 hrs. Min./Day)	\$70.00
2	Material Tester 2 / Level 2 PCC, HMA, Soil Technician (4hrs. Min./Day)	\$75.00
3	Prevailing Wage Administrator	\$60.00
4	Field Engineer	\$80.00
5	Staff (graduate) Engineer	\$80.00
6	Project Engineer or Materials Consultant, P.E.	\$90.00
7	Geotechnical Engineer	\$130.00
8	Principal Engineer	\$150.00

ITEM	DESCRIPTION - Laboratory Testing - Soils and Backfill	Unit Price - (Per Test)
1	Aggregate Gradation – Washed Sieve Analysis ASTM C 117	\$90.00
2	Aggregate Gradation – Mechanical Analysis ASTM C 136	\$90.00
3	Aggregate Gradation – Bulk Density & Voids ASTM C 29	\$65.00
4	Soils Gradation, Combined Sieve & Hydrometer	\$115.00
5	Atterberg Limits	\$50.00
6	Moisture-Density Relationship ASTM D 698 (Std. Proctor Test)	\$150.00
7	Moisture-Density Relationship ASTM D 1557 (Mod. Proctor Test)	\$150.00
8	Illinois Bearing Ratio, w/Moisture-Density, AASHTO T 193 IL Modified	\$450.00
9	Unconfined Compressive Strength of Undisturbed Soil Samples: Rimac (IDOT) Method	\$110.00
	Stress-Strain Curve, ASTM D 2166	\$10.00
	Stress-Strain Curve, ASTM D 2166	\$100.00
10	Moisture Content of Soil/Aggregate, ASTM D 2216/566	\$5.00
11	Total Organic Matter by Wet Combustion Method, AASHTO T 194	\$100.00
12	pH of Soil, ASTM D 4972	\$25.00

ITEM	DESCRIPTION - Concrete and Masonry	Unit Price - (Per Test)
1	Compressive Strength Tests of Concrete Cylinders (including curing & expendable supplies). <i>Note: Pick-up cost separate under Misc. Services below.</i>	\$15.00
2	Compressive Strength Tests of Concrete Cylinders (including expendable supplies). <i>Note: Curing performed by others &amp; pick-up cost separate under Misc. Services below.</i>	\$15.00
3	Compressive Strength of Grout Cylinders (3"x6") or Mortar Cubes (2"x2") including molds, supplies, curing. <i>Note: Pick-up cost separate under Misc. Services below.</i>	\$15.00
4	Strength of Masonry Units, Prisms. <i>Note: Pick-up cost separate under Misc. Services below.</i>	\$200.00

ITEM	DESCRIPTION - Hot Mix Asphalt	Unit Price - (Per Test)
1	Theoretical Maximum Density	
2	Asphalt Content by Reflux Extraction with Gradation	\$185.00
3	Asphalt Content by Ignition Oven with Gradation	\$185.00
4	Bulk Specific Gravity of Gyrotory Specimen (set of two) and Air Voids	\$35.00
5	Tensile Strength Ratio- Per Mix	
6	Core Density and Thickness- Lab Test	\$90.00

ITEM	DESCRIPTION - Field Sampling	Unit Price - (Per Test)
1	Mobilization of Core Rig and Personnel	\$500.00
2	Bituminous Pavement Core: 4" diameter, including 1 subgrade sample with water content, dry unit weight, patch hole	\$500.00
3	Concrete pavement Core: 4" diameter, including 1 subgrade sample with water content, dry unit weight, patch hole	\$700.00
4	Mobilization of Drill Rig and Personnel	\$1,000.00
5	Subgrade Soil Probe: 5 ft. deep, including sampling at 2.5' intervals with water content, dry unit weight	\$300.00
6	Subgrade Soil Probe: 10 ft. deep, including sampling at 2.5' intervals with water content, dry unit weight	\$500.00

ITEM	DESCRIPTION - Miscellaneous Services	Unit Price - (Per Test)
1	Provide Correlated Nuclear Gauge On Job Site (daily flat fee)	\$60.00
2	Concrete Cylinder Pick-Up (dedicated trip)	\$150.00
3	Phase One Environmental Site Assessment: CCCD Sampling and Testing of Village Utility Repair Excavation Stockpile Located at Bulk Material Storage Site 16401 S. 108th Avenue	\$660.00

Proposer: Rajan Singla  
Firm Name: Geo Services, Inc.  
Signed:   
Title: Construction Materials Manager  
Dated: 1/24/2022