

A RESOLUTION TO ENTER INTO A CONTRACT WITH GEO-SCI INCORPORATED FOR PROFESSIONAL SERVICES IN CONNECTION WITH SOILS TESTING FOR THE NEW SAFETY BUILDING AND DECLARING AN EMERGENCY

BE IT RESOLVED by the Council of the Village of Richfield, Summit County, State of Ohio:

SECTION 1. That the Mayor and the Finance Director be, and they hereby are, authorized and directed to enter into a contract not to exceed \$10,000 for professional engineering services with Geo-Sci Incorporated - Consultants and Laboratories for soils testing in connection with the new Safety Building, a copy of which agreement is attached hereto as Exhibit "A" and incorporated herein fully as if by reference.

SECTION 2. This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public health, safety and welfare and for the further reason that it is immediately necessary in order to allow the construction of the Safety Building to proceed on a timely basis; wherefore, provided this Resolution receives the affirmative vote of two-thirds of the members of Council elected or appointed, it shall take effect immediately upon its passage and execution by the Mayor; otherwise, it shall take effect and be in force from and after the earliest period allowed by law.

PASSED: October 3, 2000

Michael Hyon
President of Council

Ronald B Larsen
Mayor

Dated: 10/9/2000

ATTEST:
Carole Gibson
Clerk of Council



Consultants

792 West Bagley Road
Berea, Ohio 44017

Laboratories

Phone (440) 234-8985
Fax (440) 234-8940

August 15, 2000

Mr. Eric Beach
Meyers & Associates, Architects
236 South Court Street
Medina, Ohio 44256

Re: Construction Testing & Inspection Services for
Richfield Safety Building
Richfield, Ohio
Geo-Sci Proposal No.: I200807

Dear Mr. Beach:

As you requested, we have enclosed some information about our company for your review. Geo-Sci appreciates your consideration of our company to provide Construction Testing and Inspection Services for the above referenced project.

We are prepared to meet and exceed your construction QA/QC needs. We are extremely familiar with the type of construction and scheduling associated with the referenced project.

Geo-Sci, Inc. is a consulting engineering firm specializing in the geosciences, founded on the unified principles of commitment, service and quality. Based in Berea, Ohio, we have easy access to I-71 and the Ohio Turnpike, which enables us to respond quickly to our client's needs. Because we utilize qualified subcontractors located throughout Ohio and the surrounding states to provide drilling services, we are able to service clients regardless of geographic location, yet remain cost effective. Geo-Sci, Inc. brings over 40 years of combined experience in geotechnical engineering and geotechnical consulting as well as material testing and inspection to the construction industry throughout Ohio, Pennsylvania, West Virginia and New York. Our personnel have completed successfully numerous projects in design of foundations, retaining structures, stability analyses of slopes, load tests on piles, caissons and floor slabs, and geotechnical investigations. We utilize the combination of expertise and teamwork, bringing specialists with experience from Engineering, Geology, and Construction Inspection, working together to help insure successful project execution.

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Working with contractors, architects, builders, and developers, Geo-Sci is able to fulfill the demanding standards, requirements, and regulations in today's construction industry.

Geo-Sci, Inc. is presently under contract with various private developers, municipalities, and State agencies to provide quality geotechnical engineering, inspection, and materials testing services. We have provided Construction Testing and Inspection Services for numerous projects including commercial/retail facilities, roadway projects and large scale building construction.

Our engineers and engineering technicians report information that is needed to insure the quality and performance of structural materials, as well as providing extensive technical support on all projects. Our state-of-the-art laboratory is staffed with fully trained professionals who utilize the latest technology in laboratory and field equipment. This enables us to provide quick turnaround time while maintaining our cost effectiveness. Representatives of the Cement and Concrete Reference Laboratory (CCRL) and AASHTO Materials Reference Laboratory (AMRL) have inspected our laboratory. We participate regularly in CCRL's and AMRL's proficiency sample testing program and CCRL and AMRL schedule us regularly for inspections. Last year we became accredited through AASHTO's Accreditation Program. We continue our commitment to quality by upholding the high standards the program demands. Also, we have been pre-qualified through ODOT throughout our company's history.

Quality control is achieved through implementation of Standard Operating Procedures (SOP) for our field inspection and testing services, laboratory-testing services, documentation and geotechnical report preparation. These SOP's include written procedures for the field technicians, regularly scheduled calibration and maintenance of all laboratory and field testing equipment in accordance with AMRL and ASTM requirements.

All samples are collected, stored and tested in accordance with the provisions listed below, whichever is applicable, unless other standards and requirements are applicable, in which case the current publication containing such standards or specifications shall be followed.

- Most recently published by the American Society for Testing Materials (ASTM).
- The American Association of State Highways and Transportation Officials (AASHTO).
- The current addition of the State of Ohio Department of Transportation manual entitled Construction and Materials Specifications.



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Our services are rendered on an as-needed basis pursuant to the Client's request, and in accordance with the project plans and specifications. We have enclosed our standard Fee Schedule and personnel resumes for your review.

In the interim, should you have any questions or if we can be of further assistance please contact us at 440.234.8985.

Sincerely,
Geo-Sci, Inc.

George W. Aboumrads, P.E.
President

GWA: mml

Attachments



**SCHEDULE OF COMPENSATION
MATERIALS TESTING AND CONSTRUCTION INSPECTION SERVICES**

| | |
|--|-------------|
| I. Technical Personnel¹ | |
| Senior Geotechnical Engineer | \$75.00/hr |
| Project Manager | \$65.00/hr |
| Project Engineer | \$50.00/hr |
| Testing Supervisor (Field) ² | \$45.00/hr |
| Construction Inspector ² | \$40.00/hr |
| Steel Inspector ² | \$40.00/hr |
| Draftsman (CADD) | \$35.00/hr |
| Field Technician (Soils/Concrete/Masonry/Asphalt) ² | \$24.00/hr |
| Administrative Assistant/Document Preparation | \$18.00/hr |
| II. Soil/Rock Testing | |
| Moisture-Density Relationship ASTM D 698 | \$100.00 ea |
| Moisture-Density Relationship ASTM D 1557 | \$130.00 ea |
| Moisture Content Determination ASTM D 2216 | \$4.50 ea |
| Visual Description and Classification (Soil) | \$4.50 ea |
| Particle Size Analysis ASTM D 422 | \$28.00 ea |
| Particle Size Analysis w/Hydrometer | \$65.00 ea |
| Atterberg Limits (Liquid & Plastic) ASTM D 4318-64 | \$65.00 ea |
| Shrinkage Limit ASTM D 427 | \$60.00 ea |
| Organic Content Determination AASHTO T 267 | \$25.00 ea |
| Specific Gravity ASTM D 854 | \$35.00 ea |
| Consolidation Test ASTM D 4146 | \$350.00 ea |
| Unconfined Compressive Strength (Soil) ASTM D 2166 | \$65.00 ea |
| Direct/Residual Shear (3 Point Curve) ASTM D 3080 | \$185.00 ea |
| Triaxial Permeability ASTM D 5084 | \$325.00 ea |
| California Bearing Ratio (CBR) ASTM D 1883 | \$285.00 ea |
| Use of Nuclear Density Gauge ASTM D 2922 | \$40.00/day |
| Unconfined Compressive Strength (Rock) | \$45.00 ea |
| Slake Durability - 3 Cycles (Rock) | \$275.00 ea |
| Point Load Test - 3 Points (Rock) | \$85.00 ea |
| III. Concrete Testing | |
| Concrete Cylinders | \$9.50 ea |
| Grout/Mortar Cubes | \$6.00 ea |
| Cylinder Pick Up (Cylinders made by Geo-Sci Personnel) | No Charge |
| Cylinder Pick Up (Cylinders made by others) ⁴ | \$24.00/hr |
| Chloride Ion Determination AASHTO T 260-82 | \$55.00 ea |
| Use of Windsor Probe | \$75.00/day |



**SCHEDULE OF COMPENSATION
MATERIALS TESTING AND CONSTRUCTION INSPECTION SERVICES**

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|---|------------------|
| Compressive Strength using Windsor Probe (3 Shots/Test) ASTM C 803..... | \$30.00 ea |
| Flexural Strength of Concrete (Beam Tests) AASHTO T 97 | \$30.00 ea |
| Prism Test..... | \$75.00 ea |
| Use of Coring Machine & Electric Generator | \$100.00/day |
| Use of Diamond Core Barrel..... | \$1.50/inch/inch |
| Use of Dipstick Floor Profiler ⁵ | \$550.00/day |
| Preparation and Testing (Compressive Strength) of Concrete Cores..... | \$30.00 ea |
| Petrographic Analysis..... | \$950.00 ea |

IV. Asphalt Testing

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|--|------------------|
| Extraction Test ASTM D 2172..... | \$140.00 ea |
| Particle Size Analysis..... | \$50.00 ea |
| Use of Coring Machine & Electric Generator | \$100.00/day |
| Use of Diamond Core Barrel..... | \$1.50/inch/inch |

V. Incidental Expenses

| | |
|------------------------------------|-------------|
| Vehicle Mileage | \$0.35/mile |
| Lodging w/ Per Diem (Per Man)..... | \$85.00/day |
| Per Diem Only (Per Man)..... | \$25.00/day |

Special Notes:

1. Personnel charges are portal to portal. Inspectors and Field Technicians shall be billed in four-hour increments plus mileage. A two-hour charge shall be billed for job cancellation without prior notice.
2. Overtime for any time over eight (8) hours in one day, work performed after 4:30 PM and all weekend and holiday work shall be charged at the Standard Rate x 1.33.
3. Inspector and Technician rates include report preparation time.
4. Plus applicable mileage.
5. Plus Concrete Technician



TERMS AND CONDITIONS

ACCESS

The CLIENT will provide legal rights for entry to GEO-SCI, INC., its personnel and subcontractors equipment necessary for the completion of the project. The CLIENT will notify any and all possessors of the project site that the CLIENT has granted free access to GEO-SCI, INC.

GEO-SCI, INC. will take reasonable precautions to limit property damage. It is understood by the CLIENT that damages may occur during the normal course of work. Correction of these damages is not the responsibility of GEO-SCI, INC., unless stated in the proposal.

UTILITIES

GEO-SCI, INC. will take all reasonable precautions to avoid damage to underground structures, pipelines or utilities. GEO-SCI, INC. is not responsible for any damage or losses to underground structures, pipeline or utilities that were undisclosed or not correctly represented on plans and drawings provided for the purpose of locating underground structures, pipelines or utilities.

CONTAMINATED SAMPLES

Samples found to be contaminated remain the property of the CLIENT and shall be returned to the CLIENT. The CLIENT shall be responsible for any costs incurred by GEO-SCI, INC. for transporting and documenting the samples. Further the CLIENT agrees that decontamination waste and cuttings from borings or excavations shall remain on site for storage or disposal by the CLIENT at their expense.

SAMPLE RETENTION

GEO-SCI, INC. will retain all soil and rock samples for 60 days following the completion of the project. Samples will be disposed of after 60 days unless further storage or transfer is requested by the CLIENT at their expense.

INVOICES

GEO-SCI, INC. will invoice monthly and upon completion of services. Payment is due upon receipt of the invoice and is past due 30 days from the invoice date. A finance charge of one and one-half percent (1-1/2) per month, computed from the date of the invoice, will accrue for all past due accounts.

VILLAGE OF RICHFIELD

Accepted By: Donald H. Larsen

Donald H. Larsen, Mayor

Date: 10/09/2000

Eleanor Lukovics

Eleanor Lukovics, Finance Director

Date: 10/09/2000