

February 20, 2023
Proposal No. 610043

Mr. Mikael Kilpela
City of Marquette Engineering Department
Municipal Service Center
1100 Wright Street
Marquette, Michigan 49855
mkilpela@marquettemi.gov

**RE: Proposal for Construction Material Testing Services 2023
Marquette, Michigan**

Dear Mr. Kilpela:

GEI Consultants of Michigan, P.C. (GEI) is pleased to provide the City of Marquette (City) with this proposal to perform materials testing services. Included in this proposal is our scope of services, labor rates, and unit price rates. We have generated our scope of services and cost estimates based on our understanding of the project as stated in the Request for Proposals (RFP) received from the City of Marquette.

Introduction

Since 1970, GEI has provided a broad array of geotechnical, environmental, civil, and ecological science and engineering consulting services to clients nationwide. Our Midwest offices are currently in the states of Michigan, Illinois, and Wisconsin, consisting of approximately 300 full-time staff members, many of which are highly experienced geotechnical engineers and materials testing technicians that have extensive local experience in Marquette.

Our Marquette office also houses our primary Midwest AMRL/AASHTO accredited, and Army Corp of Engineers validated materials testing laboratory, which provides a broad range of soil and concrete testing services.

The specific GEI office locations are as follows:

Marquette, Michigan – Responsible Office

109 W. Baraga Avenue
Marquette, MI 49855
Phone (906) 451-4021
Fax (847) 984-3532

Green Bay, Wisconsin

3159 Voyager Drive, Suite A
Green Bay, WI 54311
Phone (920) 455-8200
Fax 847.984.3532

Iron Mountain, Michigan

617 N. Stephenson Avenue, Suite 110
Iron Mountain, MI 49801
Phone (906) 828-9303
Fax (847) 984-3532

Madison, Wisconsin

406 Science Drive, Suite 404
Madison, WI 53711
Phone (608) 620-1764
Fax 847.984.3532

Iron River, Michigan

990 Lalley Road
Iron River, MI 49935
Phone (906) 214-4140
Fax (906) 214-4141

Vernon Hills, Illinois

400 N. Lakeview Parkway
Vernon Hills, IL 60061
Phone (847) 984-3401
Fax (847) 984-3532

Lansing, Michigan

401 South Washington Sq, Ste 103
Lansing, MI 48933
Phone (517) 803-4600
Fax (847) 984-3532

Plymouth, Michigan

9282 General Drive, Suite 180
Plymouth, MI 48170
Phone (734) 680-1600
Fax (847) 984-3532

Statement of Project Understanding

Based on the RFP, we understand the City of Marquette has the following projects planned for the 2023 construction season:

- Lakeshore Boulevard Phase II;
- 200 Block of East Baraga;
- Sidewalk Repair, Replacement;
- SIMP and Sanitary Sewer Lateral Replacements; and
- Other projects if they become available.

The City intends to retain a materials testing consultant to provide on-call services on an as-needed basis throughout the course of the projects. Based on our employees' previous experience with these types of services for the City, we anticipate that the City of Marquette's on-site inspector for each project will contact us as needed to schedule our services.

Scope of Services

Based on our review of the RFP, the following scope of services will likely be needed for the City's 2023 projects:

- Laboratory Concrete Testing
- Laboratory Soil and Bituminous Testing
- Field Testing of Cast-in-Place Concrete
- Michigan Cone Compaction Testing of Utility Trench Backfill, Subgrade Materials, Granular Subbase and Aggregate Base Materials
- Hot Mix Asphalt (HMA) Density Testing

Testing will be performed in accordance with MDOT and/or the City of Marquette requirements. Materials testing services are anticipated to consist of field concrete testing, compaction testing on utility trench backfill, subgrade material, subbase, and aggregate base materials. Compaction testing is also anticipated to be performed on HMA. We anticipate laboratory testing will include concrete compressive strength testing, soil grain size analyses, and extraction/gradation of HMA materials.

The GEI laboratory performing the lab testing is housed in our Marquette, Michigan office. The Marquette laboratory is AMRL/AASHTO accredited, Army Corp of Engineers validated and is registered with the State of Michigan to perform laboratory concrete testing.

Upon arrival to the construction site, GEI technicians will coordinate with the City's project inspector to confirm the items to be observed and/or tested. After performing the field work, the technician will provide verbal results to the City representative prior to returning to the office. When applicable, the technician will also transport the appropriate samples to the laboratory during each visit. During construction site visits, GEI technicians will be completing Daily Field Reports, which will summarize observations and tests conducted during the site visit.

Field and laboratory test results will be submitted by transmittal as they become available. Deliverables will be addressed to you and, with your approval, can also be sent to the appropriate project team members. The services provided will be supervised by a Registered Professional Engineer.

Project Personnel

This project will be supervised by Mr. Chris Abraham, P.E. Mr. Abraham is a licensed Professional Engineer in Michigan and has over 25 years of experience in testing, managing, and overseeing large CQA projects. He will provide coordination, review daily field reports, and test results, and distribute results to the appropriate parties. Our field services will be provided by our experienced staff of technicians.

Our staff listing, applicable certifications and contact information for the staff anticipated to be involved with this project is provided below:

Staff Title	Staff Name	Phone Number	MDOT/ACI Concrete Cert.	MDOT Density Cert.	MDOT Aggregate Base Cert.
Project Supervisor	Chris Abraham, P.E.	(906) 284-9044	-	-	-
Laboratory Manager	Sarah Grant, EIT	(586) 292-0538	Level II	Yes	Yes
Engineering Technician	Bruce Peterson, EIT	(906) 869-0454	Level I	Yes	Yes
Engineering Technician	Josh Eckert	(608) 449-6585	Level I	Yes	Yes
Engineering Technician	Tom LaFave	(906) 362-1328	Level I	-	Yes
Engineering Technician	Tye Pennala	(810) 819-0100	Level I	-	-
Engineering Technician	Joseph Roell, EIT	(906) 282-6488	Level I	-	-

Project Costs

Our services will be billed on a time-and-expense basis utilizing the rates included on the attached "2023 City of Marquette Testing Services Request for Proposals" spreadsheet. Invoices for work performed will be sent on a monthly basis. The final invoice will be provided to the City of Marquette no later than December 1, 2023. Invoices will be itemized by services performed on a project basis.

We appreciate the opportunity to submit this proposal and look forward to working with you on this project. Please call Chris Abraham at (906) 284-9044 if you have any questions.

Sincerely,

GEI CONSULTANTS OF MICHIGAN, P.C.



Sarah L. Grant, E.I.T.
Project Engineer



Chris R. Abraham, P.E.
Branch Manager/Senior Consultant

SLG/CRA:lmc

Enclosures:

2023 City of Marquette Testing Services Request for Proposals Spreadsheet

2023 City of Marquette Testing Services Request for Proposals Spreadsheet

2023 City of Marquette Testing Services Request for Proposals

Company: GEI Consultants of Michigan, P.C.

Service	Rate	Comments*
1) Technician rate	\$71/hour	Technicians performing the work will be licensed to operate a Nuclear Density Gauge and will also hold ACI and MDOT Concrete Testing certifications.
2) Mileage	N/C	Mileage will not be charged for work performed within the Marquette City limits.
3) Compaction		
Michigan Cone Test	N/C	The cost of this test is included in the Technician hourly rate.
Density Nuclear Gauge	\$25/trip	The cost of this test is included in the Technician hourly rate.
4) Concrete		
Field Testing	N/C	The cost of this test is included in the Technician hourly rate.
Compressive Strength	\$23/cylinder	For specimens that undergo compressive strength testing only.
Hold	\$12/cylinder	Hold or Spare cylinders that are not tested will be charged at this rate.
		(Field Testing Line Item Includes air, slump, and cylinders)
5) Aggregate		
Sieve Analysis - Sand	\$110/test	
Sieve Analysis - Gravel	\$140/test	
6) HMA		
Extraction with Gradation	\$425/test	Includes crush count
Density Nuclear Gauge	N/C	The cost of this test is included in the Technician hourly rate
7) Reporting		Describe Reporting: Reports will generally be prepared by the Project Administration Staff with assistance from Administrative Staff as necessary.
Administration Staff	\$75/hour	All reports will be reviewed by a licensed Professional Engineer prior to transmittal.
Project Manager	\$115/hour	
8) Expenses	Cost +10%	List Expenses: There are no expenses anticipated for this project.
9) Overtime		
Over 8 hours	1.25 x hourly rate	
Saturdays	"	
Sundays/Holidays	"	
10) Other*	N/A	

* Use this space and other blank lines to include any other information needed to clarify services, rates, etc.