



**Midwest Engineering and Testing, Inc.**  
geotechnical - environmental - materials engineers  
2869 S. Via Verde Street  
Springfield, IL 62703  
217-952-0051  
[www.metgeotech.com](http://www.metgeotech.com)

July 19, 2023

Ms. Jill Larson  
New Berlin CUSD #16  
600 N. Cedar  
New Berlin, Illinois 62670  
[jl Larson@pretzelpride.com](mailto:jl Larson@pretzelpride.com)

Re: Proposal for Construction Materials Testing Services  
Junior/Senior High School Additions/Renovations  
New Berlin, Illinois  
MET Proposal No. S23049 Rev. 1

Dear Ms. Larson:

As requested, Midwest Engineering and Testing, Inc. (MET) is pleased to submit this proposal to provide Construction Materials Testing Services for the above-referenced project. A brief description of our qualifications and understanding of the planned project and a discussion of the scope of services to be provided are included in the following paragraphs.

### **Firm Background and Qualifications**

Midwest Engineering and Testing, Inc. (MET) is an employee-owned engineering firm, with offices in Champaign, Bloomington and Springfield, Illinois. MET performs geotechnical engineering, construction materials testing and environmental engineering services, primarily in Central Illinois. MET was incorporated in Illinois in September of 2009 when the former branch office of Midwest Engineering Services, Inc (MES), a Wisconsin Corporation, was acquired by the local employees. A brief Company Profile has also been attached to this proposal

MET and its predecessor companies have successfully provided geotechnical and materials testing services on numerous projects within Central Illinois over the past 40 years. In terms of local experience, MET is unmatched in providing geotechnical, materials testing and construction inspection services in the Central Illinois area. Our principal engineer, Mr. Daniel Tappendorf has been in practice locally for 33 years. It is our opinion that this longevity speaks to the level of service and commitment we have toward our customers.

## **Project Understanding and Scope**

Based upon our review of the design development drawings and our past experience with similar projects, it is anticipated that the services required for this project will include the following:

- Subgrade inspection and soil compaction testing for site grading, utility trench backfill and subbase aggregate.
- Laboratory moisture-density (Proctor) testing.
- Inspection of bolted and welded connections for the building structural steel. Documentation of the elevated decking installation and attachments will also be performed.

## **Method of Performance**

It is our intention to staff the project with an experienced Senior Engineering Technician on an on-call basis to perform the materials testing activities. This Senior Engineering Technician would perform the majority of the field inspection and would be supported as necessary by our staff of professional engineers. Additional engineering technicians would be assigned as needed during large concrete pours or when simultaneous inspections are required.

It is proposed to perform the services on a unit charge basis in accordance with the attached Standard Fee Schedule and General Conditions attached. We have also attached a "Budget Estimate" based upon the schedule provided and our past experience with similar projects. Any special equipment or test procedures not included on the Fee Schedule can be quoted upon request. Final compensation will depend on the actual time, equipment, and tests provided at the direction of the construction manager based upon the project schedule and project specifications.

If you have any questions regarding this proposal, please contact us at your convenience. If this proposal is acceptable, please acknowledge by signing the acceptance block found at the end of this proposal and return it for our files. We are looking forward to working with you on this project.

Sincerely,

**Midwest Engineering and Testing, Inc.**



James A. Gerloff, P.E.  
Springfield Branch Manager

Enclosures    Budget Estimate  
                  Standard Fee Schedule  
                  General Testing General Condition

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



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Proposal for Materials Testing Services  
 Junior/Senior High School  
 New Berlin, Illinois

MET Proposal No. S23049 Rev. 1  
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**Budget Estimate**

**Scope of Work Manpower Assumptions**

|  |                   | <b>Hours</b> |
|--|-------------------|--------------|
| Mass Grading and Compaction Testing            | 15 days @ 8 hours | 120          |
| Trench backfill and subbase compaction testing | 10 days @ 8 hours | 80           |
| <b>Total Field Time</b>                        | 25 days           | <b>200</b>   |

**ESTIMATE WORKSHEET**

|   | <b><u>Quantity</u></b>    | <b><u>Unit Fee</u></b> | <b><u>Total</u></b> |
|---|---------------------------|------------------------|---------------------|
| Senior Engineering Technician, per hour                   | 200 Hours                 | \$65.00                | \$13,000.00         |
| Senior Engineering Technician Overtime, per hour          | 0 Hours                   | \$97.50                | \$0.00              |
| Certified Welding Inspector (CWI) 8 Trips @ 8 hours       | 64 Hours                  | \$125.00               | \$8,000.00          |
| Soil Proctor Test, per test                               | 3 Tests                   | \$150.00               | \$450.00            |
| Nuclear Density Gauge, per day                            | 25 Days                   | \$50.00                | \$1,250.00          |
| Vehicle Trip Charge, per day                              | 33 Trips                  | \$45.00                | \$1,485.00          |
| Project Engineer report review and consultation, per hour | 20 Hours                  | \$135.00               | \$2,700.00          |
|   | Material Testing Subtotal |                        | <b>\$26,885.00</b>  |

**Total Recommended Budget Estimate \$26,885.00**

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**2023 STANDARD FEE SCHEDULE  
CONSTRUCTION TESTING AND ENGINEERING FEES**

**FIELD TESTING SERVICES**

Technical services for on-site monitoring and testing of construction materials, including concrete placement, field density testing for soil compaction, spread footing inspection, pile inspection, caisson inspection, asphalt placement, asphalt and concrete batch plant inspection, structural steel bolting, visual welding inspection, and roofing inspection.

|                                   |                    |                           |                  |
|-----------------------------------|--------------------|---------------------------|------------------|
| Senior Engineering Technician     | \$ 65.00 Per Hour  | Nuclear Density Gauge     | \$ 50.00 Per Day |
| Field Engineer or Geologist       | \$ 90.00 Per Hour  | Concrete Coring Machine   | \$125.00 Per Day |
| Certified Welding Inspector (CWI) | \$ 125.00 Per Hour | Floor Flatness Meter      | \$125.00 Per Day |
|                                   |                    | Dynamic Cone Penetrometer | \$100.00 Per Day |

**ENGINEERING SERVICES**

Engineering services for on-site monitoring and evaluation, construction materials testing, job site meetings, report preparation and review, and consultation.

|                             |                |                    |                |
|-----------------------------|----------------|--------------------|----------------|
| Staff Engineer or Geologist | \$ 110.00 Hour | Principal Engineer | \$ 175.00 Hour |
| Project Engineer            | \$ 135.00 Hour | Senior Geologist   | \$ 150.00 Hour |

**LABORATORY TESTING SERVICES**

|                                    |                |                                    |                |
|------------------------------------|----------------|------------------------------------|----------------|
| Concrete Cylinder Compression Test | \$ 17.50 Each  | Moisture Density Relationship:     |                |
| Concrete Beam Flexural Test        | \$ 35.00 Each  | Standard Proctor                   | \$ 150.00 Each |
| Grout Cube Compression Test        | \$ 20.00 Each  | Modified Proctor                   | \$ 175.00 Each |
| Grain size - Dry Sieve Analysis    | \$ 75.00 Each  | One Point Confirmation Test        | \$ 75.00 Each  |
| Grain size - Wash Test             | \$ 75.00 Each  |                                    |                |
| Grain size - Hydrometer            | \$ 150.00 Each | Concrete Relative Humidity Sensors | \$ 50.00 Each  |
| Atterberg Limits                   | \$ 75.00 Each  | Concrete Moisture Calcium Chloride | \$ 25.00 Each  |
| Concrete Cylinder Molds            | \$ 2.50 Each   | Asphalt Core Density               | \$ 50.00 Each  |
| Maturity Meter Sensors             | \$ 75.00 Each  | Concrete Core Compression Tests    | \$ 30.00 Each  |

**REMARKS** - Personnel charges will be based on a portal-to-portal basis; a minimum charge of 4 hours will apply for all Field Testing Services. A transportation charge of \$45.00 per trip will be added for travel to and from the site. An overtime multiplier of 1.5 will be used for services performed on Saturday, Sunday or holidays; for work scheduled outside the hours of 7:00 a.m. to 5:00 p.m.; or for more than eight (8) hours per day. Services and fees not listed will be quoted upon request. The above prices include up to four (4) copies of the report distributed as requested. Payment for invoices will be due within 15 days of receipt of invoice. Interest will be added at a rate of 1 1/2% per month of delinquency.

# GENERAL CONDITIONS

## Midwest Engineering and Testing, Inc. (MET)

### General Testing Services

**Item 1. Scope of work.** Midwest Engineering and Testing, Inc. (MET) shall perform services in accordance with an "agreement" made with the "client". The agreement consists of MET's proposal, Standard Fee Schedule, and these General Conditions. The "client" is defined as the person or entity requesting and/or authorizing the work, and in doing so, client represents and warrants that he is duly authorized in this role, even if performed on behalf of another party or entity, in which case the other party or entity is also considered as the client. The hiring of MET signifies the acceptance of this proposal and the terms of this agreement.

The fees for services rendered will be billed in accordance with the Standard Fee Schedule; unit rates for services not covered in the Fee Schedule or elsewhere in the agreement can be provided. Any cost estimates stated in this contract shall not be considered as a firm figure unless otherwise specifically stated in this contract. The standard prices proposed for the work are predicated upon the client's acceptance of the conditions and allocations of risks and obligations described in the agreement. The client agrees to impart the terms of this agreement to any third party to whom client releases any part of MET's work. MET shall have no obligations to any party other than those expressed in this agreement.

**Item 2. Site Access.** The client will provide for the right-of-access to the work site. In the event the work site is not owned by the Client, client represents to MET that all necessary permissions for MET to enter the site and conduct the work have been obtained. While MET shall exercise reasonable care to minimize damage to the progeny the client understands that some damage may occur during the normal course of work, that MET has not included in its fee the cost of restoration of damage, and that client will pay for such restoration costs.

**Item 3. Personnel Responsibility.** The presence of MET field representatives will be for the purpose of providing observation and field testing, and does not include supervision or direction of the actual work of the contractor, his employees or agents. The contractor(s) for this project should be so advised. The contractor should also be informed that neither the presence of, nor the observation and testing by MET personnel shall excuse the contractor in any way for defects discovered in his work. It is understood that MET 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.

**Item 4. Observations and Tests.** The term "observation" implies only that MET would observe the applicable portions of the work we have agreed to be involved with and perform tests, from which to develop an opinion as to whether the work essentially complies with the job requirements. Client shall cause all tests and observation of the site, materials and work performed by MET or others to be timely and properly performed in accordance with the plans, specifications and contract documents, and MET's recommendations. No Claims for loss, damage or injury shall be brought against MET by client or any third party unless all tests and observations have been so performed and unless MET's recommendations have been followed.

**Item 5. Accuracy of Test Locations and Elevations.** 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 be commensurate only with pacing and approximate measurements or estimates.

**Item 6. Degree of Certainty of Compliance.** With any manufactured product, there are statistical variations in its uniformity, and in the accuracy of tests used to measure its qualities. As compared with other manufactured products, field construction usually has wider fluctuations in both product and test results. Thus, even with very careful observations and testing, it cannot be said that all parts of the product comply with the job requirements. Our proposal is for the Scope of Services requested by our client and as scheduled by the client or client's representative. The degree of certainty for compliance with project specifications is much greater with full-time observation and testing than it is with intermittent observation and testing.

**Item 7. Hazardous Materials and Conditions.** Prior to the start of services, or at the earliest time such information is learned, it shall be the duty of the client, or other involved or contacted parties, to advise MET of any known or suspected undocumented fills, hazardous materials, by-products, or constituents, and any known environmental, geologic, and geotechnical conditions. which exist on or near any premises upon which work is to be performed by MET employees or subcontractors or which in any other way may be pertinent to MET's proposed services.

The discovery of unanticipated hazardous materials, or suspected hazardous materials, may require that special and immediate measures by exercised to protect the health and safety of MET site personnel and/or the public. MET may at its option and on the basis of its judgment and opinion, exercise such precautions to complete the project, or terminate further work on the project. In either case, the client will be notified as soon as practically possible, and the client agrees to bear all reasonable and equitable cost adjustments, if any, associated with such measures taken.

**Item 8. Reports and Ownership of Documents.** MET will furnish three copies of the report to the client. Additional copies will be furnished to the owner or others at the rate specified in the fee schedule. All reports, boring logs, field data, field notes, laboratory test data, calculations,

estimates, and other documents prepared by MET as instruments of service, shall remain the property of MET, unless there are other contractual agreements. MET will retain final reports relating to the services performed for a period of 5 years following submission of the report. Client agrees to return upon demand and will not use for any purpose whatsoever all reports and other work furnished to client or his agent which are not paid for.

**Item 9. Confidentiality.** MET shall hold Confidential the business and technical information obtained or generated in performance of services under this agreement and identified in writing by the client as "confidential". MET shall not disclose such information except if such disclosure is required by governmental statute, ordinance, or regulation; for compliance with professional standards of conduct for public safety, health, and welfare concerns, or for protection of MET against claims or liabilities arising from performance of its services.

The technical and pricing information contained in any report or proposal submitted by MET is to be considered confidential and proprietary, and shall not be released or otherwise made available to any third party without the express written consent of MET.

**Item 10. Standard of Care.** MET will perform the services under this agreement in accordance with generally accepted practice, in a manner consistent with that level of care and skill ordinarily exercised by members of this profession under similar circumstances. No other warranties implied or expressed, in fact or by law, are made or intended in this agreement. The client recognizes that subsurface soil, groundwater and other materials can vary between sampling and testing points and with time, and that the interpretation of data, and opinions and recommendations made by MET are based solely on obtained data. Such limitations can result in a redirection of conclusions and interpretations where new or changed information is obtained. MET will not be responsible for the interpretation by others, of data obtained by MET.

**Item 11. Limitations of Liability.** The client agrees to limit MET's liability to the client and all parties claiming through the client or otherwise claiming reliance on MET's services allegedly arising from MET's professional acts or errors and omissions, to a sum not to exceed MET's applicable insurance limits. In no event shall MET or any other party to this agreement, including parties which may have or claim to have a direct or indirect reliance on MET's services, be liable to the other parties for incidental, indirect, or consequential damages arising from any cause.

**Item 12. Insurance.** MET represents that the company maintains general liability and property damage insurance coverage considered adequate and comparable with coverage maintained by other similar firms, and that MET's employees are covered by Workman's Compensation Insurance. Certificates of insurance can be provided to the client upon written request. MET shall not be responsible for any loss, damage, or liability beyond the insurance limits and conditions.

**Item 13. Modifications.** This agreement and all attachments pursuant to this agreement represent the entire understanding between the parties, and neither the client nor MET may amend or modify any aspect of this contract unless such alterations are reduced to writing and property executed by the parties hereto. These terms and conditions shall supersede all prior or contemporaneous communications, representations, or agreements, and any provisions expressed or implied in the request for proposal, purchase order, authorization to proceed, or other contradictory provisions, whether written or oral.

**Item 14. Termination.** This agreement may be terminated by either party upon seven day's prior written notice. In the event of termination, MET shall be compensated by the client for all services performed up to and including the termination date, including reimbursable expenses, and for the completion of such services and records as are necessary to place MET's files in order and/or to protect its professional reputation.

**Item 15. Payment.** Invoices for performed work will be submitted monthly for services rendered the prior month and/or upon completion of said services, payable within 30 days of invoice date. The fees quoted are based upon an expected timely payment. An interest charge of 1.5% per month will be added to delinquent charges; however, MET at its option may terminate its services due to clients failure to pay when due. In the event of termination of services prior to completion, client shall compensate MET for all services performed prior to and for such termination.

**Item 16. Sample Disposal.** Unless otherwise agreed, test specimens or samples will be disposed immediately upon completion of the test. All drilling samples or specimens will be disposed of thirty (30) days after submission of MET's report.