



VERMILION COUNTY CLERK
FILED Midwest Engineering and Testing, Inc.
geotechnical - environmental - materials engineers

NOV 26 2024

Cathy Jenkins
COUNTY CLERK
VERMILION CO. IL

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September 16, 2021

Keith Brandau, P.E., S.E.
Structural Department Head
Chastain & Associates, LLC
100 N. Chestnut St. Ste. 301
Champaign, IL 61820
kbrandau@chastainengineers.com

Re: Proposal for Structural Borings
East 1850 North Road over Conkey Branch
Section 18-14144-00-BR
Vermilion County, Illinois
MET Proposal No. 21216

Dear Mr. Brandau:

As outlined in a recent e-mail with attachments from Mr. Keith Brandau of Chastain and Associates, Midwest Engineering and Testing, Inc. (MET) is pleased to submit this proposal to provide drilling services at the above referenced site. A brief description of our understanding of the project and a discussion of the scope of services to be provided are outlined in the following paragraphs.

It is understood soil test borings are required for the County Road East 1850 North Bridge over Conkey Branch in Vermilion County, Illinois. As requested, two (2) borings will be drilled for the bridge in accordance with the *IDOT Geotechnical Manual, Section 3.4.3.2 Borings* guidelines, which we anticipate will require 60 ft. deep borings. Based upon our past experience, we anticipate encountering primarily glacial drift deposits over bedrock. Upon completion of the drilling, the boreholes will be backfilled and compacted with the auger and the surface will be patched with cold-patch asphalt. Based upon the rural nature of the area, we do not anticipate traffic control flaggers will be required.

The borings will be performed with a truck or track-mounted drilling rig using conventional hollow-stem auger to advance the holes. Soil samples will be obtained using split-barrel sampling techniques at 2.5-ft. intervals through a depth of 30 feet and at 5-ft. intervals thereafter. The depth to groundwater will be noted during the drilling operations and measured in the open boreholes upon completion.

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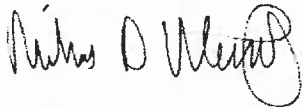
Appropriate laboratory testing will be performed in accordance with ASTM standards to adequately characterize the soil at the project sites. The laboratory testing will include at a minimum, moisture content tests, and unconfined compression tests on all intact cohesive samples. A geotechnical engineer will classify all soils in accordance with the Unified Soil Classification system. Typed boring logs in IDOT format will be provided.

MET proposes to perform the soil borings and provide the boring logs on a unit price basis as outlined on the attached estimate worksheet. It is anticipated that we could start the subsurface exploration activities within about two (2) weeks after notice to proceed is received. The soil borings will likely be completed within one (1) day, and the boring logs will be submitted within two (2) weeks after completion of the field activities.

If you have any questions regarding this proposal, please contact us at your convenience. MET will proceed with the work based upon verbal authorization. If this proposal is acceptable, please acknowledge by signing the acceptance block found at the end of this proposal. We are looking forward to working with you on this project.

Very truly yours,

Midwest Engineering and Testing, Inc.



Nicholas D. Wendling, P.E.
Geotechnical Department Manager

Enclosures: Estimate Worksheet
Aerial Location Map
General Conditions

Accepted By: VERMILION COUNTY
Printed Name: ADRIAN L. GREENWELL
Signature: Adrian L. Greenwell
Title: COUNTY ENGINEER
Date: 9/16/21

APPROVED

DATE: 111929

Panda James
REGIONAL ENGINEER



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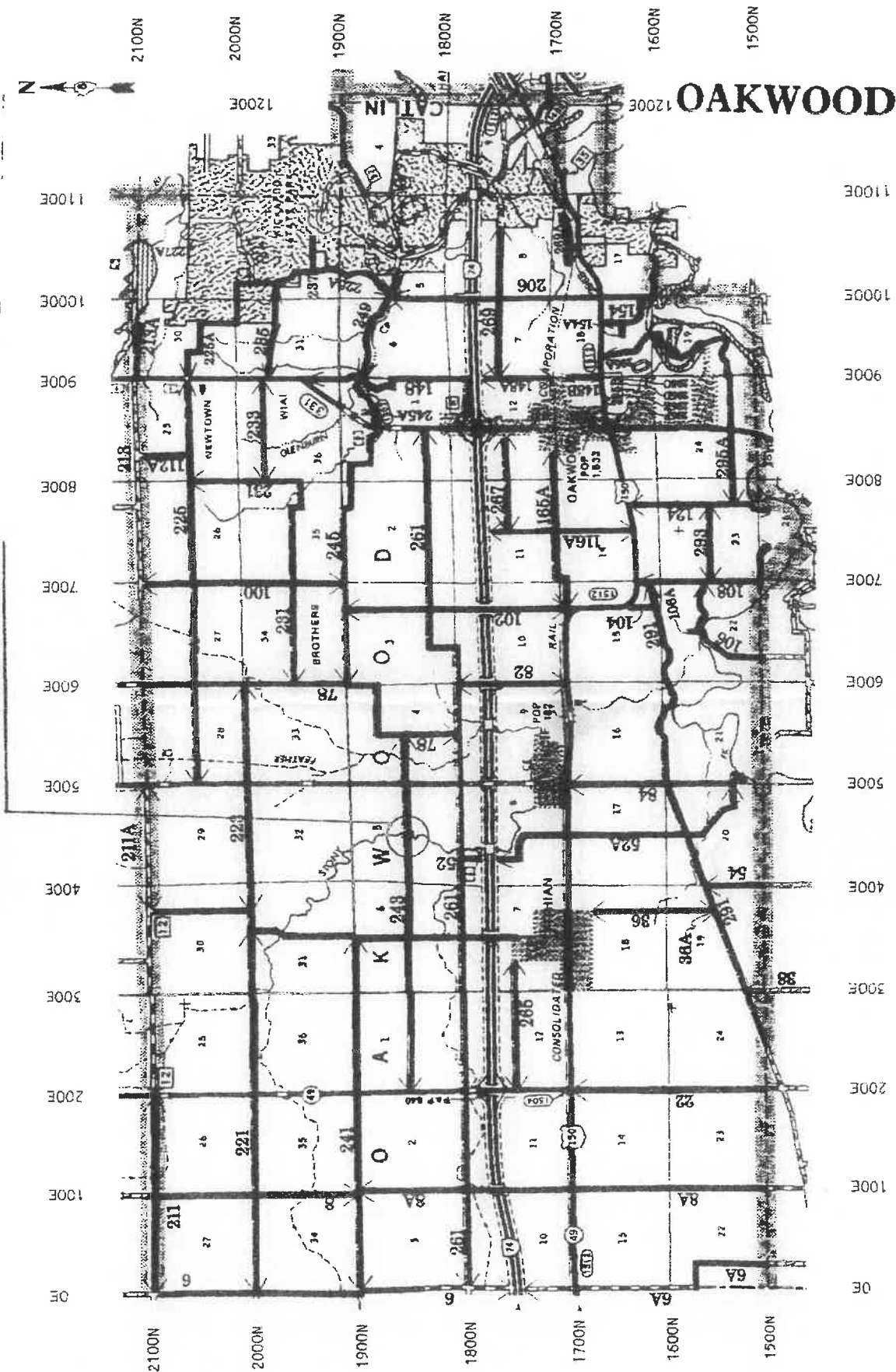
ESTIMATE WORKSHEET

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	Quantity	Unit Fee	Total
Field Exploration Services			
Mobilization/Demobilization	1 Lump Sum	\$300.00	\$300.00
Drilling support vehicle	1 Day	\$100.00	\$100.00
Soil drilling and sampling per foot (0-30 ft depth)	60 Feet	\$13.00	\$780.00
Soil drilling and sampling per foot (30-60 ft depth)	60 Feet	\$16.00	\$960.00
2 Man Flagger Crew	0 Hours	\$100.00	\$0.00
Traffic Control Equipment	0 Days	\$150.00	\$0.00
			<hr/>
Subtotal for Field Service:			\$2,140.00
Laboratory Soil Testing Services			
Dry Density Tests	15 Tests	\$5.00	\$75.00
Unconfined compressive strength tests	15 Tests	\$5.00	\$75.00
Moisture content tests	22 Tests	\$5.00	\$110.00
			<hr/>
Subtotal for Lab Service:			\$260.00
Engineering services			
Project Engineer-Coordination and Utility Locate	6 Hours	\$125.00	\$750.00
Principal Engineer Admin and Boring Log Review	1 Hours	\$150.00	\$150.00
			<hr/>
Subtotal for Engineering Service:			\$900.00
TOTAL FEE			<hr/> \$3,300.00

18-14144-00-BR



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Google Earth

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N-500-R&E

Vermillion County Bridge

1 mi



Legend