

BOARD OF SUPERVISORS

MADISON COUNTY, MISSISSIPPI

Department of Engineering
Tim Bryan, P.E., PTOE, County Engineer

3137 South Liberty Street, Canton, MS 39046
Office (601) 855-5582 FAX (601) 859-5857

MEMORANDUM

August 28, 2025

To: Casey Brannon, Supervisor, District I
Trey Baxter, Supervisor, District II
Gerald Steen, Supervisor, District III
Karl Banks, Supervisor, District IV
Paul Griffin, Supervisor, District V

From: Tim Bryan, P.E., PTOE
County Engineer

Re: Proposal for Geotechnical Consulting Services
Chestnut Hills Subdivision

The Engineering Department is requesting the Board approve the proposal with Thompson Engineering, Inc. for a fee of \$17,500 for this project consisting of a remedial pavement study of Chestnut Hill subdivision to determine what would need to be done to bring the neighborhood roads and drainage up to county requirements. It is also requested that the Board President be authorized to sign the attached contract.

CASEY BRANNON
District One

TREY BAXTER
District Two

GERALD STEEN
District Three

KARL M. BANKS
District Four

PAUL GRIFFIN
District Five



August 25, 2025

Mr. Tim Bryan, PE, PTOE
County Engineer
Madison County Board of Supervisors
Engineering Dept.
3137 South Liberty St.
Canton, MS 39046

Subject: Proposal for Geotechnical Consulting Services
Chestnut Hills Subdivision
Thompson Proposal No.: 25-4330-0202

Scope of Services and Deliverables

It is our understanding this project consists of a remedial pavement study of Chestnut Hill Road, which is a looped road around a lake within the gated subdivision. A site review indicated many failed areas, especially within the sections with curb & gutter, which has affected the drainage and safe travel along the roadway. This road currently is a private road, and the developer is requesting Madison County to take over maintenance once necessary repairs are made.

Since this is a private road, before we can mobilize any equipment on site, Thompson Engineering will require an access agreement between the subdivision and Madison County BOS that allows or authorizes us to perform the field testing. (Thompson Engineering can provide an example, if desired.) Prior to performing any field work, Thompson will contact Mississippi 811 to locate any utilities in the areas selected for shallow borings.

Project deliverables will include boring logs, laboratory test results, and appropriate engineering conclusions and recommendations in accordance with Madison County minimum pavement standards. This is detailed below:

Materials Report

- Perform eight (8) subsurface borings with SPT drill rig to a maximum depth of 6 feet within the existing roadway (Chestnut Hill Road). Borings will be grouted upon completion.
- Classify and stratify the various subsurface soil strata encountered in the soil borings and perform limited laboratory soil testing as needed in support of such geotechnical design.
- Prepare a Materials Report, which summarizes the field exploration, laboratory testing, engineering evaluations, technical discussions, and pavement recommendations in support of the roadway rehabilitation.

Cost and Schedule

We propose to perform the scope of work outlined in this proposal for a **Lump Sum Fee of \$17,500.00**. Any scope of work changes may result in adjustments to the overall project cost; such changes and adjustments will be discussed with the client for approval prior to performing the change in scope.

Thank you for the opportunity to quote for these services! We look forward to hearing back from you.

Sincerely,

THOMPSON ENGINEERING, Inc.

A handwritten signature in blue ink that reads "Richard H. Sheffield". The signature is written in a cursive, flowing style.

Richard H. Sheffield, P.E.

Attachment

Fee Proposal For Professional Services

Subsurface Exploration and Lab Testing
Madison County - Chestnut Hills Roadway Investigation
Madison County, MS
Prop. No. 25-4330-0202 Rev. 1
8/25/2025



Summary of Geotechnical Services:

- Mobilize Drill Rig to Site
- Perform 8 Each, 6 feet deep continuous soil borings
- Perform visual classification of samples, perform soil properties testing
- Prepare a Geotechnical Report of findings

Description		Unit	Estimated Quantity	Unit Fees	Subtotal
FIELD SERVICES					
Project Geotechnical Engineer (Senior)		Hour	4	\$208.00	\$832.00
Mobilization/Demob of ATV Drill Rig/Crew/Equipment		Each	1	\$3,030.00	\$3,030.00
Soil Test Borings (ASTM D-1586) - 8 ea. @ 6 ft.	Depths of 0' to 50'	LF	48	\$16.25	\$780.00
	Depths of 50' to 100'	LF	0	\$18.25	\$0.00
	Depths of 100' to 150'	LF	0	\$21.50	\$0.00
Support Truck Day Rate		Day	1	\$75.00	\$75.00
Grout		LF	48	\$7.00	\$336.00
Shelby Tubes		Each	0	\$78.00	\$0.00
Per Diem (2-man crew @ \$150/man/day)		Each	1	\$300.00	\$300.00
Drilling Manager Hours (Billing and Coordination)		Hour	2	\$190.00	\$380.00
Field Services Subtotal =					\$5,733.00
LABORATORY ACTIVITIES					
Sieve		Each	8	\$70.00	\$560.00
Sieve and Hydrometer		Each	16	\$125.00	\$2,000.00
Atterberg Limits		Each	16	\$85.00	\$1,360.00
Shrinkage Limits		Each	8	\$70.00	\$560.00
Laboratory Services Subtotal =					\$4,480.00
PROFESSIONAL SERVICES					
Engineering Evaluation, Deliverable	Engineering Associate I	Hour	0	\$110.00	\$0.00
	Senior Engineer	Hour	20	\$208.00	\$4,160.00
	Principal Engineer I	Hour	12	\$260.00	\$3,120.00
Professional Services Subtotal =					\$7,280.00
LUMP SUM FEE =					\$17,500.00

Richard H. Sheffield, P.E.
Principal Engineer

8/25/2025

Date