



Geothermal Solutions LLC

Energy, efficiency at it's best!

December 16, 2025

In accordance with the request for Geothermal Test Bore and Conductivity Test for the Marion County Area Technology Center, Lebanon KY, we understand the scope of work to include the following:

- 1) Drill and install 1 geo-loop HDPE (1.25 in. dia. SDR 9) to a depth of 500' feet
- 2) Provide and backfill the borehole with thermally enhanced grout utilizing graphite to a 1.00 Btu
- 3) Water to be provided onsite
- 4) Borehole locations to be flagged by others
- 5) Cap loop to prevent contamination of loop and allow test well to be incorporated into final project
- 6) Drill cuttings removed from site and clean-up
- 7) Private utility locates
- 8) Provide labor and equipment to conduct 1 - 48-hour thermal conductivity test on one borehole
- 9) Test will begin at a minimum of 4 days after completion of borehole
- 10) Thermal Conductivity Test Report to be provided no later than 01/26/2026

TCT Lump Sum Price - \$37,750.00

Unit Prices:

Permanent Steel Casing - \$30.00 If

Temporary Steel Casing - \$15.00 If

Not included in ANY of the above proposal costs:

- 1) Permits
- 2) Bonding
- 3) Casing
- 4) Prevailing Wages and/or Davis Bacon Wages
- 5) Extensive erosion control and water containment measures (SWPPP, water removal, frac tanks, water pumps, retainage ponds, etc)
- 6) Any costs associated with uncontrollable gas encountered during drilling process
- 7) Site restoration, final grading, seeding/straw/watering unless otherwise specified above
- 8) Parking lot, sidewalks, curbs, walls, fencing, foundations, etc removal and/or replacement unless otherwise specified
- 9) Survey and as-built

Respectfully,

Geothermal Solutions LLC

Tammy M Holt

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CFO

