

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways Professional Services Procurement Bulletin 2018-09 Statewide Geotechnical Drilling

This document constitutes a Request for Proposals for Professional Service Contract from qualified individuals and organizations to furnish those services as described herein for the Commonwealth of Kentucky, Department of Highways.

I. PROJECT DESCRIPTION

Four (4) consultant firms will be selected to provide geotechnical drilling services on an as-needed basis for two (2) years.

II. PROJECT INFORMATION

Project Manager – Michael Carpenter, P.E.

User Division – Structural Design

Approximate Fee – \$2,000,000 upset limit (per contract)

Projects to be assigned by Letter Agreement not to exceed \$250,000 each

Project Funding – State and Federal Funds

III. PURPOSE AND NEED

To provide Statewide Geotechnical Drilling Services on an as needed basis to help expedite the completion of projects and effectively handle estimated work load on a statewide basis during FY 2019 and 2020.

IV. SPECIAL INSTRUCTIONS

Instructions for Response to Announcement can be found at:

<https://transportation.ky.gov/ProfessionalServices/Pages/Respond-to-an-Announcement.aspx>

Four (4) firms will be selected to provide these services. The contract period is a two (2) year contract with no new work assigned after June 30, 2020, although the contract may be extended for time to complete work already assigned. Contracts will have an upset limit of \$2,000,000. Once the upset limit is reached or the two year term has expired, services will be re-advertised and no additional work assignments will be made under the contract. Contracts will not be modified to increase upset limit or extended for time to assign new work. No Letter Agreement shall exceed \$250,000 without written approval from the State Highway Engineer.

A proposal is to be submitted for drilling projects throughout the state. The firms will be selected based on their experience completing drilling projects throughout the state and the Evaluation Factors as shown on page ten (10). **Each Consultant is to complete the attached Evaluation Factors form and it is to be included in the Consultant's Response to Announcement. Failure to include the form in the Response to Announcement will result in the**

disqualification of the Consultant and the Consultant will not be considered for a Geotechnical Drilling Service contract. The Consultant will need to document past performance in the proposal. The link for the Evaluation Factors form to be filled out by each Consultant is **located on page ten (10).**

Once the four (4) firms have been chosen, they will be ranked in consecutive order (1-4) by being placed in a pool, randomly drawn and listed in consecutive order (1-4). This order will generally determine the numerical order in which projects will be offered to firms on a rotating basis regardless of the region. KYTC reserves the right to select one of the four firms outside of the assignment order for a particular project if it is to the benefit of KYTC (i.e. the firm selected is also completing the Engineering contract for the project). That firm, if selected out of order, will be skipped in the rotation when their turn comes and the regular order will be followed thereafter. The Geotechnical Branch reserves the right to group multiple projects together as one offering if it is advantageous to the KYTC. KYTC can also add additional work to an existing Letter Agreement, if needed. In the typical order offering, firms will not be offered an additional project until the remaining firms on the list have been offered a project. If a firm turns down a project, it will be offered to the next firm in consecutive order and so on and until the project is accepted. If a firm declines a project or does not respond to an invitation to perform services for a project within 2 workdays, from the date the Department offers a project, then documentation shall be placed in the project files noting the project was declined and the next firm in the list shall be offered the project, etc. Firms will not be penalized for not accepting a project, regardless of reason. The four (4) firms will be notified and asked to submit the Current Average Audited Wage Rates, (including overhead and 15% profit) for their Driller and Helper. The current \$0.54 mileage rate for a truck as specified in the KYTC direct cost allowable rate policy dated January 2, 2018 applies in order to determine unit prices for this contract. KYTC Published Rates have been set for some items and Production Rates have been set for each region. The link to the rates sheet is **located on page ten (10).**

Once set, unit prices will be in effect for the life of this two (2) year contract.

If all four (4) firms turn down a project then the Department has the option of increasing the unit prices for items (1-18) by 10% for each firm and offering the project to the firms again in the same order. The Department has the option of continuing to increase by 10% and offering the project to the firms again in the same order until the project is accepted.

Cost of Drilling items on floating equipment shall be paid by taking the land rate for the company doing the drilling plus 50 percent.

Cost of Drilling items for drilling with drilling mud shall be paid by taking the land rate for the company doing the drilling plus 20 percent. All mud drilling must be pre-approved in writing.

Cost of Drilling items for Angle holes shall be paid by taking the Land rate for the company doing the Drilling plus 40 percent.

Cost of Drilling items for drilling HQ size core holes shall be paid by taking the Land rate for the company doing the Drilling plus 10 percent.

Cost of Drilling items for drilling at depths greater than 80 feet shall be paid by taking the land rate for the company doing the drilling plus 30 percent. This will apply to each additional 80 foot interval. See example below. **The cost of drilling at depth does not apply to the rock coring price, observation well installation, or similar items at the discretion of KYTC.**

Example:

Unit Price of each item from 0 feet to 80 feet is (X).

Unit Price of each item from 81 feet to 160 feet is (1.3(X)).

Unit Price of each item from 161 feet to 240 feet is (1.6 (X)).

Unit Price of each item from 241 feet to 320 feet is (1.9 (X)).

Where X is the unit price of the drilling item on land. If more than one cost increase applies to an item it shall be done as listed below. Say mud drilling, barge drilling, and depth increases are used.

Unit Price of each item from 0 feet to 80 feet is $(X + 0.5X + 0.2X) = 1.7X$

Unit Price of each item from 81 feet to 160 feet is $(1.3(X) + 0.5X + 0.2X) = 2X$

Unit Price of each item from 161 feet to 240 feet is $(1.6(X) + 0.5X + 0.2X) = 2.3X$

Unit Price of each item from 241 feet to 320 feet is $(1.9(X) + 0.5X + 0.2X) = 2.6X$

V. SCOPE

GENERAL SPECIFICATIONS

Region 1 – (Districts 1, 2, 3 and 4)

Region 2 – (Districts 5, 6, 7, 8 and 9)

Region 3 – (Districts 10, 11 and 12)

1. The Department does not guarantee work will be assigned under this contract. Any unit quantities indicated in this proposal are estimates only and are not to be implied or inferred as being guaranteed. The Department will order only those quantities required by the Project as determined by the Department.
2. Firms must be pre-qualified, provide evidence of being able to drill in all three (3) regions as indicated below, and have an office within the state or within 100 miles of the state in order to be eligible for award of contract. Only a total of four (4) firms will be selected to provide services statewide in the 3 regions. **Region 1**, provide evidence of having a drill rig with automatic hammer able to sample to 130 feet, and must demonstrate proficiency in mud drilling. **Region 2**, provide evidence of having a drill rig with automatic hammer able to sample 100 feet, demonstrate proficiency in mud drilling, and have at least one skid or track mounded drill rig. **Region 3**, provide evidence of having at least one skid or track mounted drill rig with automatic hammer and tooling able to do a 300-foot core hole.
3. Drill crew supervisors shall be subject to the approval of the Geotechnical Branch. The company shall submit completed Drill Crew Supervisor Information for each supervisor.
4. Payment for labor, materials, equipment, and all items necessary to complete the work shall be made only at the contract unit prices unless otherwise stated.
5. The Department of Highways will provide the boring plan, and staking of holes for the projects.
6. Hole locations cannot be moved without prior approval from the Geotechnical Branch. Hole locations moved without prior approval of the Geotechnical Branch are subject to be re-drilled. The unapproved hole location will not be eligible for payment. Drill firms are expected to reflect minor adjustments to station, offset and elevation in the logs.
7. The drilling work cannot be subcontracted without written approval from the Department. Subcontracted work will only be allowed to a pre-qualified firm.
8. Form TC 66-203, Notification for Drilling Services, must be signed indicating acceptance or rejection of the option and returned to the Geotechnical Branch within 7 working days. A

verbal commitment must be offered within two working days. Failure to follow these procedures will result in forfeiture of the offered project.

9. Drilling shall begin on a project within ten (10) calendar days from the date of notification unless otherwise agreed to by the Department. Failing to begin work within the 10 day period can be cause for forfeiture of the work and will result in an unacceptable evaluation for that project.
10. Rock cores, gINT files, samples, and a transmittal sheet indicating all deliverables shall be delivered to the Geotechnical Branch in Frankfort, Kentucky by the drilling due date as specified In the Notification for Drilling Services (Form TC66-203) unless otherwise specified by the Geotechnical Branch. All logs for any type hole drilled on a project will be done in the software package called gINT, the Department will provide the data template to the Drilling firm and they are to fill out and submit it back to the Department electronically. The Department will pay \$300 for each 50 hole interval as follows: 0-50 holes, \$300; 51-150 holes, \$600; 151-300 holes, \$900; 301 + holes, \$1200, for the completion of logs done in gINT. For rock cores only, the Branch wants one hard copy put in the first box of each core hole and one additional hard copy delivered with the cores.
11. The drilling firm will be required to supply intermediate or partially completed gINT files for some projects. This requirement will be dictated on a per project basis.
12. The drilling firm will be required to send all gINT data entry employees to a KYTC hosted training class. All gINT data entry will be as directed by KYTC.
13. The Drilling firms will be responsible for obtaining all utilities locations from utility companies and right of entry from the property owners. In case of refusal, the firm should request assistance from the TEBM for Project Development in the applicable District. The Department will pay up to 2 hours per parcel for obtaining property owner permission and meeting with utility companies for parcels affected by the drilling operations.
14. If guard rail is required to be removed, the Department will pay \$200 for the removal and temporary replacement per location. The drilling firms must obtain written permission from the Department prior to removing guard rail and shall notify the District office once drilling operations are complete.
15. If the firm and the Department of Highways are in agreement, more than one drill crew may be utilized at the same time on projects. A minimum crew is considered to be two people, drill, and all equipment needed to perform drilling operations.
16. Drilling will not be required during the months of January and February, unless agreed to by the firm in their proposal.
17. Drilling and sampling procedures, materials, and all items necessary to complete the work shall meet the specifications as outlined in the Geotechnical Manual.
18. All splitspoon samples obtained on any project shall be obtained by use of an Automatic Hammer.
19. All Shelby Tube Samples with accompanying gINT files shall be delivered to the Geotechnical Branch within 14 days from obtaining the sample. Mileage for delivering Shelby tubes will be paid at 54 cents per mile per delivery from the firm's office to the Branch. The number of deliveries will be specified in the Notice to Proceed and Boring layout per project.
20. Firms are responsible for completing the scope of work on time. A time and/or date of completion will be established in writing for each project. If the Department delays drilling operations six months beyond the expiration date of the Notification for Drilling Services (Form TC 66-203), the firm is not necessarily obligated to complete the scope of work.
21. The firm shall always notify the Geotechnical Branch at least five (5) days before project completion so that a site visit can be scheduled.
22. The notice to proceed is effective for one year. However, the expiration date may be extended one additional year if agreeable to the Department and firm.

23. Mileage will be determined using the Official Kentucky Highway Map.
24. If water has to be purchased from a water company it shall be paid as invoiced to the Drilling Company.
25. On Slope Inclinator holes backfill material will be provided or as specified by KYTC.
26. Pay invoices for the work shall be submitted directly to the Geotechnical Branch, Division of Structural Design. This shall include the following where applicable:
 - (A). Tabulation of Soil and Subsurface Quantities for Pay Estimate.
 - (B). Cost items for Subsurface Investigation. Authorized personnel shall sign this form.
 - (C). Subsurface Logs - All logs shall be done in gINT using the Data Template provided by the Department and shall be submitted before the due date for each project or within 3 days of submitting samples, whichever is sooner.
 - (D). Cased Observation Well Data, including 7 day water table readings.
 - (E). Summary of Mileage for mobilization and demobilization routes from the drilling firms office to the project site, drill rig identification numbers and dates.
 - (F). Documentation of time records for the dozer or track hoe working time. If a subcontracted dozer or track hoe is used, an invoice of subcontracted dozer or track hoe working time is required. Subcontracted work shall be paid as a pass through cost. All dozer and track hoe working time must be preapproved by the Cabinet.
 - (G). Documentation of records for reclamation activity with receipts for materials.
 - (H). A Company invoice letter on an official letterhead signed by the responsible party, and with a Company invoice number
 - (I). Documentation of records (including time records) for water hauling.

The pay invoices may be submitted monthly if desired. A percent retainage fee will not be applicable to this contract. Payment will only be permitted after delivery of cores, samples, logs, observation well data, gINT files, etc. Approval of the final pay invoice will only be permitted after all reclamation is completed; a review by the Department and evaluation is completed.

27. The method of payment will be made as described in The Geotechnical Guidance Manual or herein for:
 - (A). Mobilization of Equipment. Mobilization and demobilization of drill equipment will be paid per drill crew as follows: \$250 administrative fee plus \$4.00 per mile, measured from the drilling firm's home office to the project site, up to a typical maximum of 500 miles (round trip). Additional mobilization distance may be approved by KYTC. A drill crew is defined as personnel, drill rig, equipment, materials, and all items necessary to drill and sample in accordance with the Specifications. Mileage will be determined using the Official Kentucky Highway Map.
 - (B). Mobilization (including demobilization) costs for a sub-contracted dozer or track hoe and operator shall be paid at the hourly rate bid price, for a total of two hours for each project. The two hours applies to subcontracted dozer company only. All dozer and track hoe working time must be preapproved by the Geotechnical Branch. Excess dozer work, as determined by KYTC, will not be compensated.
 - (C). Mobilization (including demobilization) cost for a company owned dozer or track hoe and operator shall be paid as follows: \$250 administrative fee plus \$4.00 per mile, measured from the drilling firm's home office to the project site, up to a typical maximum of 500 miles (round trip). Additional mobilization distance may be approved by KYTC. Mileage will be determined using the Official Kentucky Highway Map. All dozer and track hoe working time must be preapproved by the Geotechnical Branch. Excess dozer work, as determined by KYTC will not be compensated.
 - (D). Grouting intervals are paid for by price per foot and includes all labor and materials necessary to seal the hole. Grouting material shall be cement or bentonite.
 - (E). Drilling operations on property of the railroad, Forest Service, Corps of Engineers,

etc. may require additional time and effort. Any required costs or fees (i.e., flagmen) shall be invoiced as charged. Also an administrative fee of up to \$1000 per project (with documentation) may be allowed for dealing with the entities with prior approval of KYTC. If the actual cost for dealing with these entities exceeds \$1000 the Department will consider payment for actual cost incurred. Sufficient documentation is required for additional payment.

(F). Mobilization (including demobilization) costs for Company-Owned Floating Equipment, shall be negotiated per project.

(G). Subcontracted Towboat and/or Barge and crew shall be paid for at invoiced cost. An administrative fee of up to \$1000 (with documentation) shall be allowed to cover communications with towboat/barge contractor and all necessary coordination, permits, etc., required by the Corps of Engineers and/or others.

(H). Company-Owned Towboat and/or Barge and crew shall be negotiated per project. An administrative fee of up to \$1000 (with documentation) shall be allowed to cover all necessary coordination, permits etc., required by the Corps of Engineers and/or others.

(I). For items E, G and H if vendor cost exceeds \$1000 and the extra cost can be justified the extra cost may be reimbursed at the discretion of KYTC.

(J). Reclamation Materials and other required materials are paid for at actual cost (with receipts for materials). The receipts shall only show items & cost for materials purchased & used for each individual project. Any overhead or administrative fee for buying reclamation materials shall be included in your unit price for Reclamation. These materials include the following:

1. Seed
2. Straw
3. Rock (crushed aggregate #57)

The following materials, or others, may also be used when necessary, but will require written approval from the Department.

1. Temporary Silt Fence
2. Top Soil
3. Sheet of ¾" Plywood
4. Pipe
5. Fencing materials

(K). Pavement Cores – If an intact asphalt or concrete sample is required in the boring plan, payment shall be at the unit price per/foot, based on the footage of asphalt or concrete. Unit price covers all diameter size samples (4", 6", 8" & 10"). The price shall include augering the DGA out if a tube is required in the sub-grade. Backfill materials can be billed as a pass-thru cost within the Reclamation item, with documentation by a receipt. If an intact specimen is not required, but the Driller is not able to auger through concrete pavement, Pavement Core footage may also be paid, with the approval of the Geotechnical Branch.

If a Shelby Tube (or SPT) sample is obtained, payment will be per sample as given on the Master Pay Estimate Worksheet for Thin-walled Tube Sample or Standard Penetration Test.

(NOTE: If an intact pavement specimen is not required payment will be made only for obtaining the tube or SPT sample. Backfill materials may also be reimbursed, as mentioned above.)

(L). Mobilization (including demobilization) costs for a company owned water truck and operator shall be paid as follows: \$250 administrative fee plus \$4.00 per mile, measure from the drilling firm's home office to the project site, up to a typical maximum of 500 miles (round trip). Additional mobilization distance may be approved by KYTC. Mileage will be determined using the Official Kentucky Highway Map.

(M). Rental or purchase of equipment or materials as directed by the Geotechnical Branch for completion of a project will be paid for at invoiced cost. Rental or purchase of equipment or materials must be pre-approved by the Geotechnical Branch and will be invoiced as (Rental/Purchase of Equipment/Materials) on form TC 66-251. Any purchased equipment or purchased material not completely used on the job will remain the property of KYTC upon completion of the project. An administrative fee of up to \$200 may be allowed, at the discretion of the Geotechnical Branch, to cover obtaining items specifically required by the Geotechnical Branch for project completion.

(N). Water hauling will be paid at the unit cost per hour. Payment for water hauling shall only include reasonable time from project site to refill site and back. Laying of water lines and similar operations are incidental to the operation and will not be compensated.

28. The drilling firms are responsible for providing their own traffic control. The traffic control shall be provided by a certified traffic control firm or the Drilling Company if they have certified traffic control personnel. Flagging by the Department will only be made available when personnel and time schedules can be coordinated.

All flagging shall be done according to the Manual on Uniform Traffic Control Devices. These guidelines can be found on the Federal Highway Administration's website: http://mutcd.fhwa.dot.gov/kno_2009r1r2.htm. If a consultant's drill crew wants to provide their own flag-personnel, then they must follow the guidelines listed below.

Traffic Control (In House)

This activity shall be paid at the unit cost per hour for two laborers, including expenses and travel, plus the cost of any necessary rental equipment (include copy of invoice) to provide flagging for the geotechnical drill and crew. Provide a copy of certification for each flag-personnel on the job. The following materials or others not listed may also be used when necessary, but will require approval from the Department. Rental materials are paid for at actual cost (with receipts).

- a. Moveable Signs
- b. Electronic Message Boards
- c. Traffic Cones
- d. Barrels

Subcontracted Traffic Control

This item shall be paid as invoiced by the vendor (include actual invoices), plus \$100 to account for any administrative expenses. Time shall not be included for the drill or drill crew. Vendor personnel shall be certified and provide all necessary equipment, including mobilization and demobilization, lodging, meals necessary to provide flagging for the geotechnical drill and crew. The drilling firms must obtain written permission from the Department prior to obtaining a traffic control firm.

29. Where installation of a temporary casing for use by the Geotechnical Branch is required for downhole instrumentation (such as a downhole camera), the Drill Contractor will be paid at the same rate for installation of a cased observation well. In addition, the Drill Contractor will be reimbursed for the actual cost of the temporary casing approved by the Geotechnical Branch (with receipts for materials).
30. Failure to comply with the General Specifications may result in cancellation of the contract in accordance with the penalty clause as outlined.

SEALING GEOTECHNICAL BORE HOLES

All subsurface borings shall be completely and adequately back-filled to prevent damage to property or injury to people or animals. Where evidence is found that firms have inadequately

backfilled bore holes, the firms will be required to return to the site and remediate the situation with no cost to KYTC. Sealing drill holes shall be in accordance with the Departments' plan (see attachment) with the following exceptions.

1. Drill holes within 100 feet of a private well shall be sealed with grout through the water bearing strata (Must get department permission before hand).
2. By a special request of coal companies, core holes penetrating commercial coal seams shall be sealed with grout. Packers may be required.

If a firm chooses to grout any other borings the maximum payment of grouting interval will be 2 to 3 feet per boring depending on the depth of boring drilled.

RECLAMATION

Reclamation of drill sites, dozer and/or track hoe roads shall be protected from erosion by utilizing grass seed and straw. The cost shall be paid by the daily 8 hour unit price for two helpers plus the material costs. A receipt of materials shall reflect the actual cost of materials.

Cut off trenches, water bars, or ditches may be required for long, steep grades of dozer and/or track hoe roads to prevent excessive erosion. Dozer and track hoe time required for these functions will be paid by the bid price and documented within the form for Dozer Working Time or Track Hoe Working time.

Reclamation costs for negligent operations (cut fences, deep ruts in soft ground, crop damages, and clean up (trash) operations) are the responsibility of the firm and are not included in this item.

PLAN FOR SEALING GEOTECHNICAL BORINGS

The Ground water protection Regulation: 401KAR 5:307 defines a bore hole as (1) "a hole drilled in the soil for exploratory or sampling purposes" and (2) a core hole as "a hole drilled for the purpose of obtaining a rock core." The Geotechnical Branch routinely drills these type holes for proposed roadway projects.

A boring plan is made for each roadway project by engineers and geologists and reviewed in the field before any drilling operations begin. If, during the field review, any contaminated areas, close proximity to water wells, springs, septic tanks, or any geologic hazards are noted, then the boring plan is altered accordingly. Most of these borings are cut out or filled over when the project is constructed.

Borings are not made by the Geotechnical Branch in areas where soil contamination is present or suspected. If contamination of any type is noted while drilling, the work is immediately stopped and the Division of Environmental Analysis is notified. Environmental Bore Holes, if deemed necessary by the Geotechnical Branch, will be furnished by certified drilling consultants.

I. BORE-HOLES

Bore-holes are made for the purpose of obtaining a soil sample or to define a rock line profile. These borings are usually made with a 4-6 inch auger and will normally be 5 feet or more in depth unless rock is encountered first.

The present procedure for back-filling these holes is to use drill cuttings from the hole or adjacent soils that have a texture and permeability similar to the materials encountered in the hole. The bore hole is completely filled from bottom depth to the original ground surface, and tamping or compacting of the backfill material is performed as necessary to minimize voids or backfill subsidence. Back-filling is performed in a timely manner after completion of the bore hole in order to prevent groundwater contamination.

II. CORES HOLES

Core holes are made for the purpose of obtaining a rock core sample in proposed roadway

locations where rock is encountered. These borings are made with a 6 inch auger from the surface to the rock line and then extended to a pre-determined depth with a 3 inch diamond core bit. The present procedure for back-filling these holes is the same as for a bore hole, except small rock fragments and soil are used to fill the hole to prevent backfill subsidence.

III. OBSERVATION WELLS

One-inch diameter PVC perforated pipe or casing is installed in holes where the water table is encountered and water table readings are needed over a period of time. Once the pipe is installed, the hole is back-filled with drill cuttings to the original ground surface. The pipes are capped to prevent the entrance of surface water.

IV. HOLES FOR INCLINOMETER CASING

Slope Incliner Casing is installed in 6-inch diameter holes to monitor slope movement. Gravel or chip stone is used to backfill around the casing to approximately 3 feet below the surface and the remainder of the hole is filled with cuttings from the boring and adjacent soil if necessary. The backfill material is sloped-off at the surface to prevent the infiltration of surface water.

V. IMPLEMENTATION, TRAINING, AND INSPECTION

The back-filling of geotechnical borings as described herein, is the current policy of the Geotechnical Branch and has already been implemented. The Groundwater Protection Plan has been explained and discussed with drillers and geotechnical personnel.

Training sessions are held with drillers on an annual basis. New employees are trained in the field under an experienced driller for one (1) year or more before they become drillers. The chief driller is responsible for the activities of the crew and works directly under the supervision of an engineer or geologist.

An engineer or geologist will make spot checks to ensure that borings have been properly back-filled in accordance with the Groundwater Protection Plan.

VI. CONCLUSION

Borings made for the design of a roadway project are destroyed (cut out) in the cut areas and filled over with compacted soils in the embankment areas when the project is constructed. Considering the small diameter of the holes (4-6 inches) drilled by the Geotechnical Branch and the extra effort made in back-filling these holes, there is little chance of any groundwater contamination resulting from geotechnical borings.

VI. PREQUALIFICATION REQUIREMENTS

To respond to this project, the proposed consultant project team must be prequalified in the following areas prior to the date of this advertisement.

GEOTECHNICAL SERVICES

- Drilling Services

VII. ADDITIONAL INFORMATION

- Evaluation Factors Form to be filled out by Firm: [Firms Evaluation Factors form.doc](#) (Please submit this the evaluation factors form as part of the Response to Announcement)
- KYTC Published Rates and Production Rates Sheet for Region 1, 2, & 3 are noted on the [Master Pay Estimate Worksheet 2019-2020.xlsx](#) workbook tab titled rate classifications. The production rates and the Master Pay Estimate Worksheet are for information only and are not to be submitted with the Consultant's Response to Announcement. This information will be used to negotiate contract rates with the four (4) selected consultants.

VIII. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

- Bulletin Posted – March 13, 2018
- Response Date – April 4, 2018 by 4:30 PM ET (Frankfort time)
- First Selection – April 9, 2018
- Final Selection – April 25, 2018
- Scoping Conference – May 2, 2018
- Notice to Proceed – July 1, 2018

IX. EVALUATION FACTORS

1. Past experience on projects of similar type and complexity and documented record of performance on KYTC projects – as documented in the proposal and supplied by KYTC from previous project evaluations. (70 Points)
2. Number of crews a firm can supply with automatic hammers, up to a maximum of four crews. (A minimum crew is considered to be two people, drill and all equipment needed to perform drilling operations) (1 crew - 2 points, 2 crews - 4 points, 3 crews - 6 points, 4 crews - 10 Points).
3. The ability for a firm to supply track mounted drills with automatic hammers. (No track mounted drills with automatic hammer – 0 points, one track mounted drill with automatic hammer – 5 points, more than one track mounted drill with automatic hammer - 10 Points)
4. Ability to provide drilling services in January and February. (No – 0 points, Yes - 10 Points)
5. Consultant's office based in Kentucky. (Not in Kentucky – 0 points, In Kentucky - 2 points)

For state-funded projects, if a Selection Committee vote results in a tie between two (2) firms, one (1) of which will perform more of the work tasks in Kentucky than the other, then the former firm shall be ranked one (1) place ahead of the latter.

X. SELECTION COMMITTEE MEMBERS

1. Michael Carpenter, P.E., User Division
2. Christian Wallover, P.G., User Division
3. Darren Back, P.E., Secretary's Pool
4. Rachel Catchings, P.E., Secretary's Pool
5. Mark Day, P.E., Governor's Pool