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2010-07 Statewide Drainage Planning

1-22-2010

QUESTION: Given the diversity of the professional services that may be required for the Statewide Planning Services PSB is it possible to revise the maximum number of pages available for resumes of key personnel from five to ten? Likewise would it be possible to expand the maximum number of pages for similar project descriptions from 5 to 10?

RESPONSE: An extra 5 pages will be allowed for Page 4 Relative Experience of Key Project Team Members in the response to announcement for a total of 10 pages (A-J). Also, an extra 5 pages will be allowed for Page 6 Relative Experience of Proposed Team in the response to announcement for a total of 10 pages (A-J).

There will be no limit to the number of key team members within the 10 pages allowed for Page 4 Relative Experience of Key Project Team Members and the 10 pages allowed for Page 6 Relative Experience of Proposed Team in the response to announcement for this project.

2010-07 Jefferson / I-265 / Directional Coring

1-22-2010

CLARIFICATION: Geotechnical Engineering Report R-029-2008 is available at: http://kgs.uky.edu/kgsweb/kytc/Reports/R-029-2008.pdf

A 212 MB Zip file containing The Geotechnical Data Report Exploratory Tunnel prepared by Hatch Mott MacDonald is also available at: http://transportation.ky.gov/progperform/Bull%202010-07/Exploratory%20Tunnel%20GDR.zip

1-29-2010

QUESTION: KYTC Bulletin for I-265 states that the consultant will be working for the State Highway Engineer's office and KYTC Geotechnical Branch (Structural Design). In the milestones project schedule there are items Investigation Plan, Preliminary Report and Final Report. This project calls for geotechnical engineering services to provide Directional Core Drilling and Testing. Do we provide tunnel engineering recommendations or just core logs in our reporting?

RESPONSE: The consultant's reporting will need to include logs of the directionally cored

borings and vertical borings, as well as results of laboratory testing of samples. The consultant will not be responsible for providing tunnel engineering recommendations.

1-29-2010
QUESTION: The bulletin talks about directional coring but does not specify whether it is expected to retrieve the rock core or any size/dimension requirements. Can you clarify?
RESPONSE: It is expected that the rock core will be retrieved for all coring performed on the project. The diameter of the core should be no less than 1.2".

1-29-2010
QUESTION: Can you have the Louisville Bridges Design Team provide all interested parties with digital plan and profile of the new realignment of I-265 with US 42. This would be helpful in setting up the staging area for direction drilling equipment and supporting electrical, water and silt ponds.
RESPONSE: Plan and Profile are available in .dgn format at the following link: http://transportation.ky.gov/progperform/Bull 2010-07/Exploratory Tunnel P&P DGN.zip

1-29-2010
CLAIRIFICATION: The responding Prime (or subconsultant) providing the Direction Drilling services, does not have to be a KY Registered/Licensed firm at the time of submitting a response. The selected firm will have to obtain all required licenses and registrations before a contract can be issued Notice to Proceed.

1-29-2010
CHANGE: KYTC has received numerous questions and requests regarding the Jefferson Co., I-265, Direction Coring advertisement. We are currently working to provide response to request for information and make decisions on response format. To accommodate these request and give responding firms time to adapt their responses to the new information, KYTC will extend the response date by one week, moving the response date from 2-10-2010 to **Wednesday, February 17, 2010.**
Please watch this Q&A page for updates regarding possible response format changes and for additional technical information.

2-1-2010
QUESTION: Sheets R-4 through R-12 would be the most helpful. Is there any chance we can get these sheets?
RESPONSE: Sheets R-4 through R-12 are now available at: http://transportation.ky.gov/progperform/Bull 2010-07/Exploratory Tunnel Sheets R-4 through R-12 DGN.zip

2-1-2010

GENERAL- The answers (1-8) provided below are preliminary. All methods, depths and specifics are subject to discussion and concurrence with KYTC and the design team after exploration consultant selection. Provide as much detail as possible in your project approach to demonstrate your knowledge of the exploration methods in question and ideally, how they apply to this tunnel project. After selection, the program will be finalized between the designer and the selected exploration consultant(s) and a scope and fee will be determined.

QUESTION 1) What is the length of the directional coring? Will the directional coring be performed along the full length of both tunnels? Will similar directional coring be required for the connector tunnel?

ANSWER 1) The directional coring will be performed along the full length of both tunnels .

QUESTION 2) Will the directional coring/boring be required to stay within the footprint of the proposed tunnel alignment?

ANSWER 2) Yes. Please describe how you might plan the line and grade of the horizontal borings to obtain as much information as practical within the tunnel footprint.

QUESTION 3) Is rock core sampling required for the full length of the directional coring? If so, what is the preferred diameter of the rock core as well as the boring itself? If not, what is the preferred diameter of the directional coring?

ANSWER 3) The minimum diameter is 1.2 inches. If larger core is available, please discuss your ability to provide it, as well as the ramifications (in general terms) to schedule and budget,

QUESTION 4) What is the anticipated maximum depth below the surface of the directional coring? What is the maximum depth of the conventional drilling?

ANSWER 4) See above for horizontal core. Surface drilling should be planned to be at least 50 feet below the tunnel invert.

QUESTION 5) For the conventional drilling, are angle borings required? Will televiewer, borehole survey, or other downhole measurements/sampling be required? If so, will this work be required along the full depth of the conventional borings?

ANSWER 5) Angle borings will be required. Please describe your equipment, methods and limitations. The design team also requires information on strike and dip of joints, rock mass permeability, karst features, buried valleys and other features which might impact tunnel design and construction. Please describe your ability to obtain this information, as well as which down-hole testing you recommend (and can reliably provide) to obtain it.

QUESTION 6) What specific geophysical mapping techniques will be required for the horizontal coring? Will televiewer, borehole survey and other downhole measurements be required along the full length of the directional coring?

ANSWER 6) The intent is to characterize the ground using horizontal and vertical explorations, with geophysics as appropriate to supplement and assist in this characterization. Please describe which geophysical methods are achievable or not achievable with your proposed equipment, hole diameter, etc. Which methods are you aware of

that would best assist in obtaining the desired information?
QUESTION 7) Is any additional geophysical testing from the surface planned?
ANSWER 7) It is likely that surface geophysics will be performed to augment the explorations. Please provide your firm's/team's capability and any restrictions or caveats to the method based on your knowledge of the site and the site topography and surface use.
QUESTION 8) What type of in-situ testing is anticipated, for either conventional drilling or horizontal coring?
ANSWER 8) This is discussed above.

2-1-2010
QUESTION #1: Since this project required the use of Directional Drilling which is new to the Cabinet and selection committee members I would like to request 12 additional pages describing the services to be provide by both the technical and drilling sub contractors being used for this project (total 24 pages max). I think this would add all involved in fully understanding what occurs when using Directional Drilling Technology.
RESPONSE #1: An extra 24 pages will be allowed for Page 7 Approach to Project in the response to announcement for a total of 27 pages (A-AA). Limitations on other sections will still apply as outlined in the Instructions for Response to Announcement unless otherwise noted. http://transportation.ky.gov/progperform/instructions_for_response_to_kentucky_transportation_cabinet_10-10-08.pdf
QUESTION #2: I would like to request a total of 10 resumes pages for the I-265 project.
RESPONSE #2: An extra 5 pages will be allowed for Page 4 Relative Experience of Key Project Team Members in the response to announcement for a total of 10 pages (A-J). Limitations on other sections will still apply as outlined in the Instructions for Response to Announcement unless otherwise noted. http://transportation.ky.gov/progperform/instructions_for_response_to_kentucky_transportation_cabinet_10-10-08.pdf

2-2-2010
QUESTION: The response to the question regarding final report information references vertical borings that are to be included in final report. This current project has no vertical boring work included in the Bulletin only horizontal directional drilling. Why is vertical drilling involved in this project?
RESPONSE: The bulletin indicates that conventional vertical drilling techniques will be utilized in conjunction with directional coring to provide geotechnical information for the design of the tunnel. Responding Consultants should discuss in their submittal how they would use the vertical borings to bolster the information they get from the directional drilling in support of the tunnel design.

2-12-2010
QUESTION: Regardless of the successful team chosen to complete this scope it will require

a significant dollar amount of subcontracted services. What percentage will KYTC allow the prime contract holder to mark up sub contracted services.

RESPONSE: In accordance with KRS 45A.125, “mark-ups” are not permitted. KYTC will negotiate fees for coordination and administration either on a lump sum or cost reimbursement basis.

2010-07 Carroll / KY 36 / 6-8408.00

The above Q & A section is dealing with the 2010-07 Project Listing (Former name Bulletins)