

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-01
Perry | 10-269.20 | KY-15

This document constitutes a Request for Proposals for a 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

County - Perry
Route - KY-15
Item No. - 10-269.20
Project Description - Reconstruction of KY 15 from Bonnyman to near KY 28

II. PROJECT INFORMATION

Project Manager - Aric Skaggs, P.E.
User Division - Highway Design
Approximate Fee - \$400,000 (Lump Sum) Preliminary Engineering & Environmental Services
Project Funding - State Funds (SPP funds)
Project Length - Approximately 4.4 miles

III. PURPOSE AND NEED

KY-15 is a primary arterial route in southeast Kentucky that connects the area to the Mountain Parkway, Hal Rogers Parkway, and US-119. The road is characterized by deficient roadway geometrics, inadequate clear zone, the presence of slower moving heavy trucks, restricted passing opportunities, and no access control. Over 9.5 miles of KY-15 has been reconstructed or is currently under construction in Breathitt and Perry Counties.

This section of KY-15 was previously studied and a preferred alternate selected, however, the project has set stagnate for over a decade. The purpose of this project is to further develop the preferred KY-15 alternate, identify cost efficiencies while examining the alignment, and refining the alignment for phase II progression.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

The selected Consultant will be required to provide engineering services to perform Preliminary

Engineering. Preliminary Engineering includes re-examining and refining the following: preferred Phase I alternate, preliminary drainage design, cost estimates, and gathering any necessary survey for the project area. In addition, the selected Consultant will be required to re-evaluate the previously approved EA FONSI for the preferred alternate and/or any alterations made to the alignment during Phase I.

The selected Consultant may be required to provide Final Roadway Design, which may be added to the contract agreement by a contract modification when Preliminary Engineering and Environmental Analysis is complete. Final Roadway Design includes, at a minimum, preparation of joint inspection plans, drainage design, Preliminary, Advanced, and Final drainage folders, right-of-way plans, construction plans and post construction Best Management Practices (BMP), signing and pavement marking plans, traffic control plans, final cost estimates, and an anticipated construction schedule.

VI. SPECIAL INSTRUCTIONS

The Department may retain any of the advertised services to be performed by in-house state forces.

Instructions for Response to Announcement can be found at:

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

VII. AVAILABLE STUDIES

[Programming Study – KY-15 from Campton to Hazard](#)

[Supporting Documents - Perry | 10-269.20 | KY-15](#)

VIII. METHOD OF DESIGN

The selected Consultant shall utilize the most recent CADD Standards for Highway Plans Policy in the development of the highway plans. Refer to the 2019 CADD Standards for ORD V4 Project Development Memo for information pertaining to the latest CADD Standards and plan submittal.

IX. ENVIRONMENTAL SERVICES

Any necessary Environmental Services will be provided by the Consultant. The anticipated environmental document will be a re-evaluation of EA FONSI. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

X. PHOTOGRAMMETRIC SERVICES

The Department will provide LiDAR digital mapping and will furnish manuscripts on computer disks in DGN format. The selected Consultant shall supplement this information with conventional surveying as needed.

XI. STRUCTURE DESIGN

The Department is anticipated to provide any necessary Structure Design required for the project. The selected Consultant shall do the necessary engineering services to submit to KYTC an Advanced Situation Folder(s) for the appropriate and applicable structure(s). Structure Design of the proposed structure(s) may be added as a Contract Modification. Prequalification in the area of Structure Design is not required to be identified in the Consultant's Response to Announcement.

XII. GEOTECHNICAL SERVICES

The selected Consultant is expected to provide all Geotechnical Services required for the project. The Preliminary Design contract may include preliminary geotechnical services to review available geological, mining, or other geotechnical information that could influence the preferred alternate. Geotechnical services necessary for the completion of Final Design may be added by contract modification at the appropriate time. At any time, if the Department has the capacity to provide these services, the Department may retain the advertised geotechnical services. Prequalification in the area of Geotechnical Services is required to be identified in the Consultant's Response to Announcement.

XIII. TRAFFIC ENGINEERING

The selected Consultant will provide the analysis of the existing and proposed operations. Traffic Signal Design and Lighting Design services, if necessary for the completion of Final Design, may be added by Contract Modification at the appropriate time. At any time, if the Department has the capacity to provide these services, the Department may retain the advertised traffic services.

XIV. RIGHT-OF-WAY SERVICES

The selected Consultant may be asked to provide right-of-way services including but not limited to titles and closing, appraisals and appraisal reviews, acquisitions, relocations, and property management. These services may be needed on this project if a contract modification is initiated for Final Design and the District deems this necessary based on current workload or project schedule. The Consultant shall be required to follow the current policy and procedures established by the Division of Right-of-Way and Utilities. Prequalification in the area of Right-of-Way is not required to be identified in the Consultant's response to Announcement.

XV. UTILITIES

The selected Consultant shall locate all existing utilities and locate them on the plans provided to the Department. The Department will provide a preliminary utility contact list, provide all utility cost estimates, as well as coordinate utility plans and relocations. The selected Consultant shall be responsible for verifying utilities involved, a level B locate, that includes the locations, size and type of utility on the plans.

XVI. PREQUALIFICATION REQUIREMENTS

To respond to this project the Consultant must be prequalified in the following areas by the response due date of this advertisement:

Environmental & UST Services

- UST & Hazmat Preliminary Site Assessment (Phase 1)

Environmental Aquatic & Terrestrial Ecosystems Analysis

- Fisheries
- Botany
- Terrestrial Zoology
- Wetlands
- Freshwater Macroinvertebrates
- Water Quality

Environmental Archeology & Other Services

- Air Quality Analysis
- Prehistoric Archaeology
- Socio-Economic Analysis
- Highway Noise Analysis
- Historic Archaeology
- Cultural-Historic Analysis
- Stream & Wetland Mitigation
- **EIS Writing & Coordination**

Geotechnical Services

- Geotechnical Drilling
- Geotechnical Engineering
- Geotechnical Laboratory Testing

Roadway Design

- Rural Roadway Design
- Surveying
- Advanced Drainage Analysis & Design
- Advanced Traffic Engineering Design & Modeling* (*please see note below*)

Traffic Engineering

- Traffic Engineering
- *Electrical Engineering Roadway Lighting** (*please see note below*)
- *Electrical Engineering Traffic Signals** (*please see note below*)

Right of Way Services (*please see note below*)

- *Relocation**
- *Acquisition**
- *Appraisal**
- *Appraisal Review**

Structure Design (*please see note below*)

- *Spans Under 500 Feet**

Utility Design (*please see note below*)

- *Communication**
- *Gas Level 1**
- *Water & Sewer Level 1**
- *Water & Sewer Level 2**
- *Utility Construction Inspection**

- *Utility Preconstruction Coordination**

**Note – Right-of-Way Services, Structural Design, Utility Design, some Roadway Design, and some Traffic Engineering prequalifications are not required with the initial proposal as it is uncertain to the extent practicable if they are necessary. Should any of these services become necessary during the delivery of the project, the selected Consultant team must obtain the required qualifications before providing those services.*

XVII. PROCUREMENT SCHEDULE

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

- Advertisement Date: July 13, 2021
- Response Date: August 4, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: August 9, 2021
- Final Selection: August 25, 2021
- Pre-Design Conference: September 1, 2021
- Consultant Fee Proposal: September 10, 2021
- Contract Negotiations: September 22, 2021
- Notice To Proceed: October 13, 2021

XVIII. PROJECT SCHEDULE

- Preliminary Line and Grade Inspection – May 2, 2022
- Joint Inspection – November 1, 2022
- Right-of-Way/Utility Plans – December 1, 2022
- Final Plans – June 1, 2023

XIX. EVALUATION FACTORS

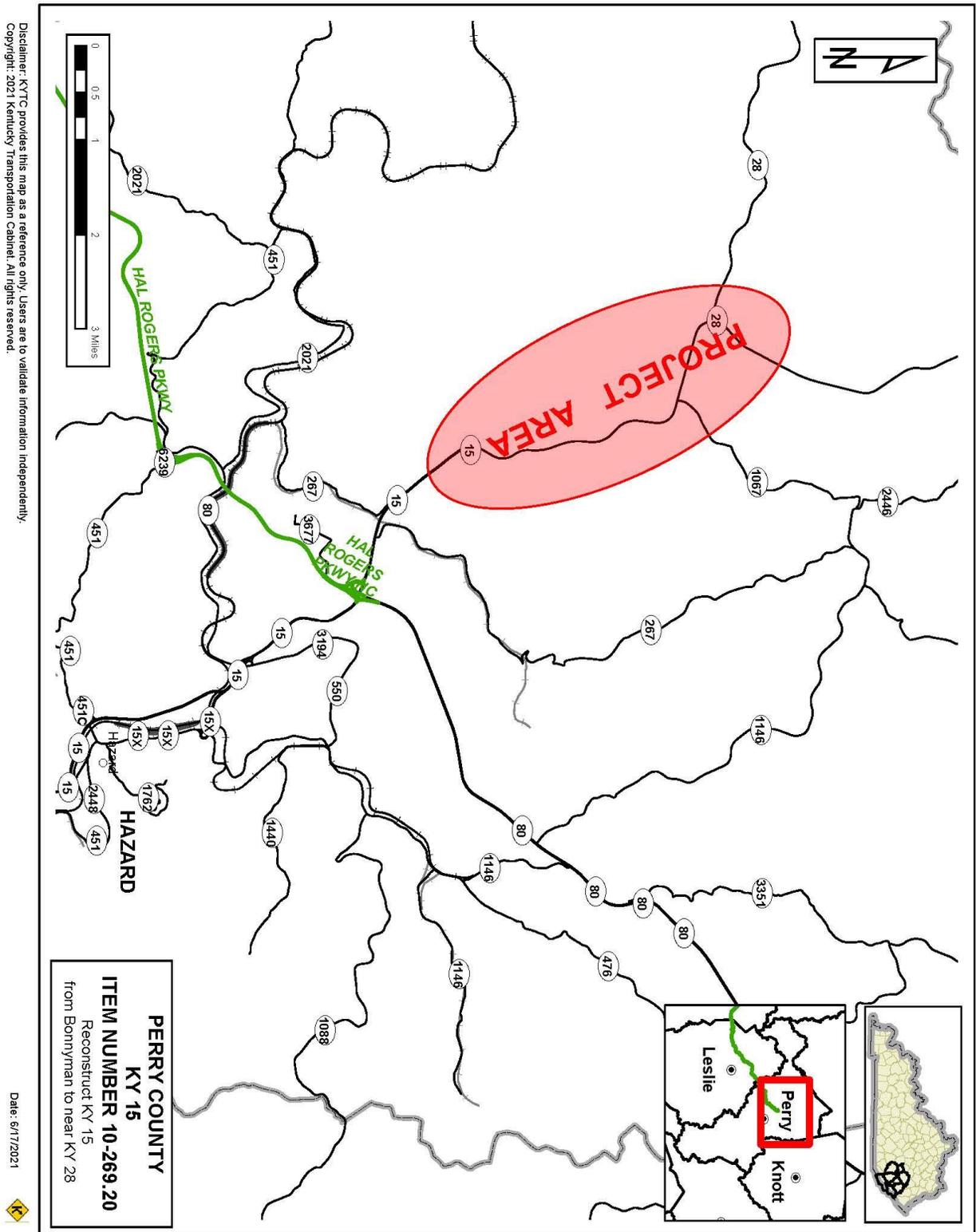
Consultants will be evaluated by the selection committee based on the following, weighted factors:

1. Project approach and proposed procedures to accomplish the services for the project. (20 Points)
2. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (15 Points)
3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Capacity to comply with project schedule. (10 Points)
5. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XX. SELECTION COMMITTEE MEMBERS

1. Aric Skaggs, P.E., User Division
2. Amanda Desmond, P.E., User Division
3. Joseph Van Zee, P.E., Secretary's Pool
4. Charlie Dale, P.E., Secretary's Pool
5. Cindy Evensen, P.E., Governor's Pool

XXI. AREA MAP



Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.
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PERRY COUNTY
KY 15
ITEM NUMBER 10-269.20
 Reconstruct KY 15
 from Bomnyman to near KY 28

Date: 6/17/2021