

A REQUEST FOR PROPOSAL FOR PERSONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2013-10
Christian/CR 1116/2-1085.00
Hopkins/KY 262/2-1079.00
Hancock/KY 2124/2-1082.00

This document constitutes a Request for Proposals for Personal 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

- A. County – Christian
Route – CR1116 (Sub Station Road)
Item No. – 2-1085.00
Project Description – Replace bridge (ID# 024C00034N) on CR1116 over CSX railroad, 0.04 mile east of US 41.

- B. County – Hopkins
Route – KY 262 (West Center Street)
Item No. – 2-1079.00
Project Description – Replace or rehabilitate bridge (ID# 054B00107N) on KY 262 over Greasey Creek, 0.67 mile east of Bean Cemetery Road (CR1396)

- C. County – Hancock
Route – KY 2124
Item No. – 2-1082.00
Project Description – Replace bridge (ID# 046B00031N) on KY 2124 over South Fork of Panther Creek southwest of intersection with Hickory Ridge Road (CR 1127)

II. PROJECT INFORMATION

Project Manager – Brent A. Sweger, PE and Boday Borres, PE
User Division – Highway Design

- A. 2-1085.00
Approximate Fee – \$175,000 (Lump Sum Fee)
Project Funding – Federal Funds (BRZ)
Project Length – approximately 0.1 miles

- B. 2-1079.00
Approximate Fee – \$125,000 (Lump Sum Fee)

Project Funding – Federal Funds (BRO)
Project Length – less than 0.1 miles

- C. 2-1082.00
Approximate Fee – \$75,000 (Lump Sum Fee)
Project Funding – Federal Funds (BRO)
Project Length – less than 0.1 miles

III. PURPOSE AND NEED

- A. The purpose of this bridge replacement is to replace the structurally deficient bridge in order to provide a safe and reliable crossing on CR 1116 (Substation Road) over the CSX Railroad. The bridge has a Sufficiency Rating of (SR)= 34.4. The steel beams are rusting and have section loss at the bearings on the abutments. The pedestals are deteriorating while the timber deck shows rough splintering, crushed areas and decay. The total length is 80.05' and is a 3-span steel girder and floor beam system. The bridge (024C00034N) is located near the junction of US 41.
- B. The purpose of this bridge replacement is to replace the structurally deficient bridge over Greasey Creek in order to provide a safe and reliable connection between the City of Madisonville and the residential and rural areas served by KY 262. The bridge has a Sufficiency Rating (SR) = 40.30 with substandard deteriorating wooden piles that were recently encased by concrete, but not replaced. In addition, Span 2 has section loss at the bottom of the beams. The total length is 78.08' and is a 3-span concrete channel beam. The bridge (054B00107N) is located 2.0 miles west of US41.
- C. The purpose of this bridge replacement is to replace the structurally deficient bridge in order to provide a safe and reliable crossing on KY2124 over the South Fork of Panther Creek. The current Sufficiency Rating for the bridge is (SR)=35.8. This rating has undergone recent temporary structural repairs. Links to the current and previous Bridge Inspection Reports have been provided. The bridge has heavy spalling under beam 6 on the abutment 2 bearing while the exterior beams have section loss in the webs and lower flanges. The total length is 23.95' and is a single span steel stringer/multi-beam. The bridge (046B00031N) is located 2.4 miles north of the junction of KY 261.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

The selected consultant will be required to perform preliminary engineering as well as final bridge and roadway design, including the preparation of any design studies, land surveys, drainage design, right-of-way plans, construction plans including storm water construction and post construction Best Management Practices (BMP), signing and pavement marking plans, traffic control plans, cost estimates, and an anticipated construction schedule.

It is the intent of KYTC to utilize the following:

- Latest edition of AASHTO *Guidelines for Geometric Design of Very Low-Volume Local*

Roads (ADT≤400) due to low volumes and low speeds for Projects A and C.

VI. SPECIAL INSTRUCTIONS

One (1) consultant will be selected to provide services for projects A, B and C. Consultants shall primarily focus their *Project Approach* section on projects A and B, rather than all three bridges equally. It is anticipated that all three locations will be require roadway closure for construction. The Project Approach should take a Practical Solution approach and should address a design and construction process that minimizes the length of roadway closure. Use of Accelerated Bridge Construction (ABC) techniques may be considered, as appropriate, for each location.

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:

<http://transportation.ky.gov/Professional-Services/Pages/Respond-to-an-Announcement.aspx>

VII. AVAILABLE STUDIES

[Bridge Inspection Report 2-1085; 2-1079; and 2-1082](#)

[District 2 \(2013\) DNA Studies](#)

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.

IX. ENVIRONMENTAL

The Department will provide any necessary Environmental Services. The anticipated environmental documents will require a Categorical Exclusion Level 1 (CE1).

X. PLANNING

The Department will provide all traffic projections and related information for the project.

XI. GEOTECHNICAL SERVICES

The Department will provide all Geotechnical Services for the project.

XII. STRUCTURE DESIGN

The Selected Consultant shall do the necessary engineering services to complete an Advanced Situation Folder(s) for the appropriate applicable structures(s). The Structure Design will be performed by the Consultant. Prequalification in the area of Structure Design is required to be identified in the Consultant's Response to Announcement.

XIII. PHOTOGRAMMETRIC SERVICES

Photogrammetry is not required. The Selected Consultant is responsible for all surveying via conventional survey methods.

XIV. PREQUALIFICATION REQUIREMENTS

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

ROADWAY DESIGN

- Rural Roadway Design
- Surveying

STRUCTURE DESIGN

- Spans under 500 feet

XV. PROCUREMENT SCHEDULE

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

RESPONSE DATE • Wednesday, May 1, 2013 4:30 p.m. E.S.T. (Frankfort time)

1st SELECTION COMMITTEE • May 7, 2013

2nd SELECTION COMMITTEE • May 21, 2013

PRE-DESIGN CONFERENCE • May 27, 2013

TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL • June 14, 2013

CONTRACT NEGOTIATIONS • June 26, 2013

NOTICE TO PROCEED • August 1, 2013

XVI. PROJECT SCHEDULE

PRELIMINARY LINE AND GRADE – November 1, 2013

FINAL JOINT INSPECTION – February 1, 2014

FINAL PLANS – April 1, 2014

XVII. EVALUATION FACTORS

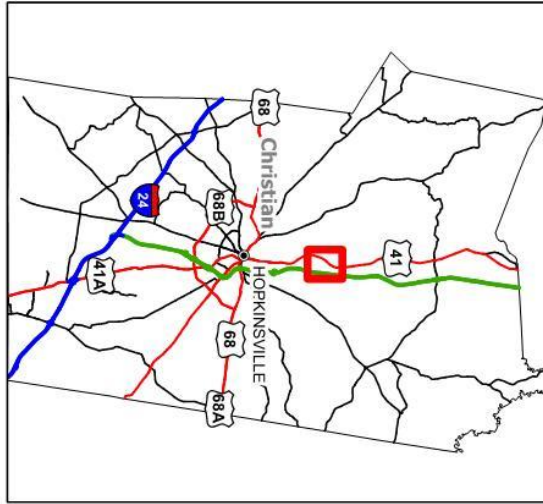
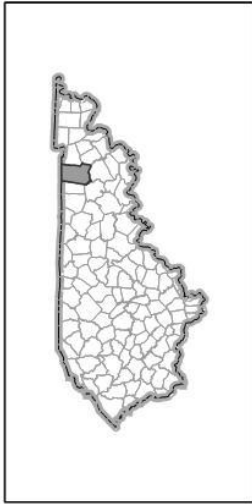
1. Project approach and proposed procedures to accomplish the services for the project. Innovations to address construction quality and minimization of roadway closure will be rated higher. (20 points)

2. Relative experience of consultant personnel assigned to project team with highway projects for KYTC and/or federal, local or other state governmental agencies. (10 points)
3. Capacity to comply with project schedule. (5 points)
4. Past record of performance on project of similar type and complexity. (5 points)
5. Consultant's offices where work is to be performed. (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.

XVIII. SELECTION COMMITTEE MEMBERS

1. Brent Sweger, P.E., User Division
2. David Martin, P.E., User Division
3. Sam Hale, P.E., Secretary's Pool
4. Diana Radcliffe, P.E., Secretary's Pool
5. Brad Rister, Governor's Pool



PROJECT MAP
CHRISTIAN COUNTY
ITEM NO. 2-1085.00

Replace bridge (ID# 024C00034N) on CR1116 over CSX railroad, 0.04 mile east of US 41.

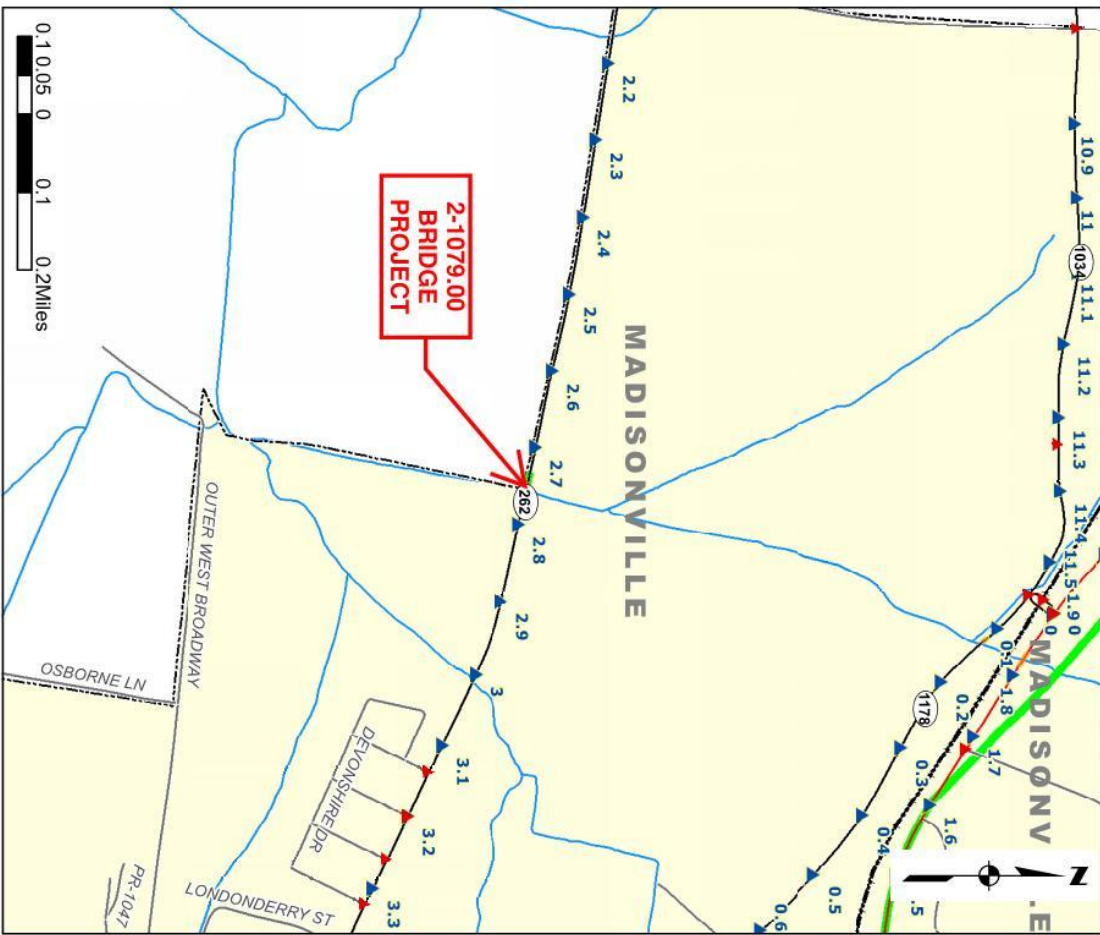
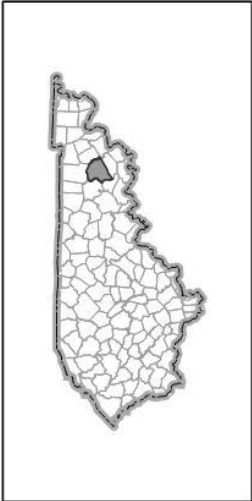
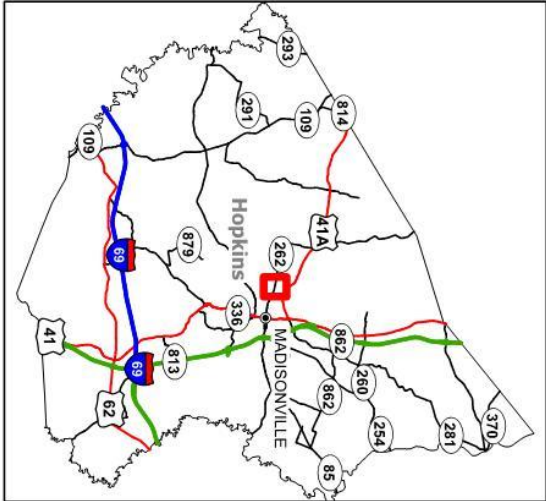
Date: 4/2/2013



PROJECT MAP
HOPKINS COUNTY
ITEM NO. 2-1079.00

Replace or rehabilitate bridge (ID# 054B00107N) on KY 262 over Greasey Creek, 0.67 mile east of Bean Cemetery Road (CR1396)

Date: 4/2/2013



PROJECT MAP
HANCOCK COUNTY
ITEM NO. 2-1082.00

Replace bridge (ID# 046B00031N) on KY 2124 over South Fork of Panther Creek southwest of intersection with Hickory Ridge Road (CR 1127)

Date: 4/2/2013

