



***Professional Services
Procurement Bulletin
2009-02
McCracken/Livingston Counties***

<i>COUNTY</i>	<i>McCracken/Livingston</i>
<i>ROUTE</i>	<i>US 60</i>
<i>DISTRICT</i>	<i>1—Paducah</i>
<i>ITEM NO</i>	<i>1-1115.00</i>
<i>PROJECT DESCRIPTION</i>	<i>New Tennessee River bridge on US 60</i>
<i>PROJECT MANAGER</i>	<i>Mark Hite PE - Structure Design Tim Choate, PE, LS - District Project Manager</i>
<i>USER DIVISION</i>	<i>Structure Design</i>
<i>APPROXIMATE FEE</i>	<i>\$750,000.00 Estimated/Fixed-Fee contract</i>
<i>PROJECT FUNDING</i>	<i>Federal Bridge Replacement Funds (BRO)</i>
<i>PURPOSE AND NEED</i>	<i>The purpose of this project is to provide the traveling public a safe structure on US 60 over Tennessee River meeting current design standards to ensure continued system connectivity along US 60</i>
<i>PROJECT LENGTH</i>	<i>500—900—400 feet spans</i>
<i>METHOD OF DESIGN</i>	<i>The selected consultant shall utilize the CADD Standards for Highway Plans (version 2.08) policy in the development of the Highway Plans.</i>
<i>DBE REQUIREMENT</i>	<i>None</i>

SCOPE

The selected Consultant will be required to provide engineering services to complete the superstructure design, for the main river truss spans (500'-900'-400'). The Consultant will conduct all shop drawings reviews and any necessary erection scheme reviews during the construction of the truss portion of the structure. All approach structure work will be completed by the Department.

SPECIAL INSTRUCTIONS

- 1. A substructure contract was awarded to Mahan Construction on January 17, 2006 for the construction of Piers 6, 7, 8, and 9. (See available KYTC studies.)*
- 2. KYTC Division of Structure Design will be the user division.*
- 3. All sub-consultant firms should be prequalified prior to the date of this advertisement.*
- 4. The use of any and all sub-consultants is subject to the approval of KYTC.*
- 5. Section E "Consultant's Proposal to Accomplish the Services for this Project in the Response to This Announcement" may be expanded to a maximum of 10 pages.*
- 6. KYTC will not consider alternate designs (i.e. bridge types) due to the complexity of this project relative to the compatibility of the substructure currently under contract. The final design must be compatible with the phase 1 piers being constructed under existing substructure construction contract.*
- 7. KYTC has developed a desired truss depth, and "look", with its public involvement process, and preliminary designs, similar to the Cooper River Bridge on the I-526 Mark Clark Expressway in Charleston, South Carolina, which was opened in 1992. The consultant shall be able to complete the superstructure plans, giving particular attention to connection details, member proportions and scale, member sections and minimization of lateral bracing (sway bracing) in order to provide a cleaner and more open structure desired by the Department.*
- 8. KYTC has developed the design of some truss members and other structural detail. This work will be made available to the selected consultant (if requested). The selected consultant will be responsible for the design of all truss members and details.*
- 9. Structure Design of approach spans will not be a part of this contract. The Department has completed the design and development construction plans for the approach spans.*

AVAILABLE STUDIES

1. [Bridge Layout - Bridge Layout.zip](#)
2. [Current substructure contract documents for Piers 6, 7, 8 & 9 101-MCCRACKEN/LIVINGSTON-05-1057.pdf.](#)
3. [Design / Build plans for Pier 7 - US60 Mahan - Piers 7 & 8 - Final.pdf.](#)
4. [Design / Build plans for Pier 7 - Calculation Report - Pier 7.pdf](#)
5. [KYTC Substructure plans - 25234 piers.dgn.](#)
6. [VE study, URS, May 8-12, 2006 - US-60 Tennessee River Bridge VE Study Final Report.pdf](#)
7. [Geotechnical reports. - S-068-2006.pdf](#)
8. [Roadway Plans - Roadway Plans.zip \(Now Available 11-3-08\)](#)

PHOTOGRAMMETRIC SERVICES

N/A

STRUCTURE DESIGN

The selected consultant shall provide all superstructure design services and shop plan reviews for the main channel spans.

GEOTECHNICAL SERVICES

A Geotechnical Report has been prepared and approved by Department and is available for review. The Department will provide any additional geotechnical services.

TRAFFIC

Traffic projections and related information will be provided by the Department.

ENVIRONMENTAL

*The Environmental Document (FONSI) has been prepared and approved by the Department and the Federal Highway Administration. The FONSI and Section 106 MOA are available for review.
The Department will provide any additional environmental service.*

UTILITY DESIGN

Bridges will need to accommodate existing utilities and make provisions for future utility lines. The proposed team shall be prepared to evaluate power requirements for potential lighting schemes.

PREQUALIFICATION REQUIREMENTS

STRUCTURE DESIGN

- *Structure Design—Spans greater than 500 feet*

PROJECT SCHEDULE & MILESTONES

RESPONSE DATE

*November 19, 2008 4:30 p.m.
(Frankfort Time)*

*Please note the shortened re-
sponse time.*

SELECTION COMMITTEE MEETING

*December 10, 2008**

PRE-DESIGN CONFERENCE

*December 17, 2008**

**DEADLINE FOR
CONSULTANT FEE PROPOSAL**

*January 7, 2009**

CONTRACT NEGOTIATIONS

*January 14, 2009**

NOTICE TO PROCEED

*February 11, 2009**

PRELIMINARY STRUCTURE PLANS

June 1, 2009

FINAL STRUCTURE PLANS

August 1, 2009

** Tentative or projected date.*

The selected consultant is expected to meet the scheduled milestone dates

Instructions for Response to Announcement can be found at:
http://transportation.ky.gov/proqperform/instructions_for_response_to_kentucky_transportation_cabinet_10-10-08.pdf

EVALUATION FACTORS

1. Relative experience of consultant personnel assigned to project team with bridge projects for KYTC, and/or for federal, local, or other state governmental agencies. (20 points)

2. Capacity to comply with project schedule. (20 points)

3. Past record of performance on major (over 500-ft spans) truss bridge projects of similar type and complexity. (30 points)

4. Project approach and proposed procedures to accomplish the services for the project including project schedule, cost, and project complexity due to existing substructure contract and superstructure compatibility. (15 points)

5. Consultant's Kentucky office where work is to be performed. (2 points)

75% - 100% of work accomplished in Kentucky offices - 2 points

26% - 74% of work accomplished in Kentucky offices - 1 point

0% - 25% of work accomplished in Kentucky offices - 0 points

SELECTION COMMITTEE MEMBERS

1. Tim Choate, P.E., L.S., User Division

2. Mark Hite, P.E., User Division

3. James Shipp, Secretary's Pool

4. Jeff Jasper, Secretary's Pool

5. Gary Valentine, Governor's Pool

McCracken County Six Year Plan Projects

Legend

- Bridge Projects
- Weigh Station/Rest Area Projects
- Interchange Projects
- Other Projects

Project #	Route #	Description of Project	Type Work
1-3304.00	I-24	INSTALL NEW ITS TRAFFIC CONTROL SIGNAGE ON I-24 FR THE STATE LINE TO EXIT A (06CCN)	Authorized 7/6/07
1-393.00		HEATH HIGH SCHOOL WETLAND SITE ADJACENT KY-996 JUST N OF AIRPORT IN PADUCAH (2006BOPC)	Enviro Mitigation Authorized 3/14/07

Not Shown On Map

1-8304.00 I-24
INSTALL NEW ITS TRAFFIC CONTROL SIGNAGE ON I-24 FR THE STATE LINE TO EXIT A (06CCN)
Authorized 7/6/07

1-393.00
HEATH HIGH SCHOOL WETLAND SITE ADJACENT KY-996 JUST N OF AIRPORT IN PADUCAH (2006BOPC)
Enviro Mitigation
Authorized 3/14/07

1-4.00 I-24
I-24 BRIDGE OVER THE OHIO RIVER @ PADUCAH (B100); JOINT PROJECT WITH ILLINOIS TO PAINT BRIDGE
Bridge Painting

1-2.00 I-24
I-24 BRIDGE OVER THE OHIO RIVER @ PADUCAH (B100); JOINT PROJECT WITH ILLINOIS TO MITIGATE SCOUR
Bridge Inspection

1-1019.00 KY 1321
REPLACE BRIDGE OVER BRUSHY CR (B143) 0.25 MI S OF KY-358 (SR=38.0)
Bridge Replacement

1-1008.00 KY 1565
REPLACE BRIDGE & APPROACHES AT MASSACK CR 0.15 MI S OF KY-358 (B44)
Bridge Replacement
Awarded 4/18/06

1-115.00 US 60
PADUCAH-WICKLIFFE RD; 4-LANE US-60 FR 1 MI E OF DENIS JONES RD TO BETHEL CHURCH RD (INCLUDES KEVIL BYPASS)
Major Widening

1-115.01 US 60
PADUCAH-WICKLIFFE RD; 4-LANE US-60 FR 1 MI E OF DENIS JONES RD TO BETHEL CHURCH RD (INCLUDES KEVIL BYPASS)
Major Widening

1-1013.00 KY 1438
REPLACE BRIDGE AT P & L RAILWAY 2.0 MI W OF JCT. KY-786 (RR612) (02CCR)
Bridge Replacement
Awarded 8/1/06

1-310.30
PADUCAH OUTER LOOP (PRIORITY SEC 2); FR US-45 (PADUCAH-MAYFIELD RD) TO KY-1322 (LOVELACEVILLE RD) DRAIN AND INC. SURFACE) (2002BOPC)
New Route

1-310.50
PADUCAH OUTER LOOP (PRIORITY SEC 3); FR US-62 (BLANDVILLE RD) TO US-60 (PADUCAH-WICKLIFFE RD) (GRADE & DRAIN AND INC. SURFACE) (2002BOPC)
New Route

1-310.10
PADUCAH OUTER LOOP (PRIORITY SEC 1); FR KY-1322 (LOVELACEVILLE RD) TO US-62 (BLANDVILLE RD) (GRADE & DRAIN AND INC. SURFACE) (2002BOPC)
New Route

1-1115.08 US 60
PADUCAH-SMITHLAND BR & APPRS OVER TENNESSEE RIVER AT LIVINGSTON CO LN PHASE II; CONSTR MAIN SPAN ABUTMENTS, APPRS AND SUPERSTRUCTURE (2004BOPC)
Bridge Replacement

1-1115.06 US 60
PADUCAH-SMITHLAND BR OVER TENN RIVER AT LIVINGSTON CO LN PHASE I; CONSTR 4 PIERS FOR THE MAIN SPAN CROSSING THE TENN RIVER (2004BOPC)
Bridge Replacement
Awarded 1/18/06

1-1115.20 US 62
RELOCATION OF US-62 FR US-60 DEPARTURE TO KY-1887 (PARK RD)
Relocation

1-1115.10 US 60
RELOCATION AND MINOR WIDENING OF US-60 FR CLARKS RIV TO US-62 JCT
Relocation

1-980.00 KY 131
REALIGN I-SECTION & CONSTR LEFT TURN LNS AT THE I-SEC OF KY131/KY284 (B/C=1.7)
(D-CONSULT; C-CONTR)(2002BOP)
Safety-Hazard Elim
Awarded 6/5/07

1-1014.00 KY 1041
REPLACE BRIDGE OVER BLIZZARD BOTTOM DITCH (B12) 0.65 MI S OF JCT. KY-999 (SR=10.2)
Bridge Replacement

1-1014.00 KY 1041
REPLACE BRIDGE OVER BLIZZARD BOTTOM DITCH (B12) 0.65 MI S OF JCT. KY-999 (SR=10.2)
Bridge Replacement

1-2014.00 I-24
MILL 3/4" INTERMEDIATE OVERLAY ON I-24 FR MP 16.27 IN MCCRACKEN CO TO MP 22.04 IN MARSHALL CO
Pavement Rehab-Int

Livingston County Six Year Plan Projects

Legend

-  Bridge Projects
-  Weigh Station/Rest Area Projects
-  Interchange Projects
-  Other Projects

Project #	Route #	Description of Project	Type Work
Projects in Six Year Plan			

Project #	Route #	Description of Project	Type Work	Award Date
Construction Projects Awarded				

Project #	Route #	Description of Project	Type Work	Authorized Date
Construction Projects Authorized				

1-184.00 US 60
PADUCAH-HENDERSON; RECONSTRUCT FROM 0.5 MILES EAST OF DYER HILL MINE RD TO LIVINGSTON CENTRAL MIDDLE SCHOOL
Reconstruction

1-1115.08 US 60
PADUCAH-SMITHLAND BR & APPRS OVER TENNESSEE RIVER AT LIVINGSTON CO LN PHASE II; CONSTRUCT MAIN SPAN ABUTMENTS, APPRS AND SUPERSTRUCTURE (2004BOPC)
Bridge Replacement

1-1115.06 US 60
PADUCAH-SMITHLAND BR OVER TENNESSEE RIVER AT LIVINGSTON CO LN PHASE I; CONSTRUCT FOUR PIERS FOR THE MAIN SPAN CROSSING THE TENNESSEE RIVER (2004BOPC)
Bridge Replacement
Awarded 1/18/06

1-330.00 US 60
PADUCAH-HENDERSON; RELOCATION OF US-60 FROM APPROX. 0.8 MILE EAST OF TENN. RIVER BRIDGE TO 0.5 MILE EAST OF RUDD-SPEES ROAD (00CCR)
Relocation

1-2015.00 I-24
MILL 3/4" INTERMEDIATE OVERLAY ON I-24 FROM MP 29.543 TO MP 30.454
Pavement Rehab-Int

