

PROJECT INFORMATION

COUNTY Statewide

PROJECT DESCRIPTION Structural Design of "Standard" types

USER DIVISION Bridge Design

PROCUREMENT SCHEDULE

RESPONSE DATE	Thursday, August 3, 2000, 4:30 p.m. (Frankfort Time)
FIRST SELECTION COMMITTEE DATE	August 8, 2000
SECOND COMMITTEE DATE	August 16, 2000
TENTATIVE PRE-DESIGN CONFERENCE	To be determined on a project-by-project basis.
TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL	To be determined on a project-by-project basis.

EVALUATION FACTORS

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

TOTAL NUMBER OF POINTS POSSIBLE: 32

**SELECTION
COMMITTEE
MEMBERS**

1. Al Frank, P.E., User Division
2. Charlie So, P.E., User Division
3. Ted Merryman, P.E., Secretary's Pool
4. Ken Sperry, P.E., Secretary's Pool
5. Peggy Fortney, P.E., Governor's Pool

**DBE
REQUIREMENT**

None

**SPECIAL
INSTRUCTIONS**

The Department reserves the option to modify the selected consultant's agreement to include any necessary engineering and/or related services for this project. The firm(s) will at that time be prequalified by the Department in the required area(s).

Five (5) firms will be selected with each firm receiving a two-year statewide contract.

**SCOPE OF
STRUCTURE
DESIGN**

Five statewide consultant contracts will be negotiated to perform structural design for projects on all county, state, and federally maintained highways as needed by the Cabinet. The structures to be designed will be "standard" bridges or components which are defined as follows:

1. One or two barrel culverts
2. Non-curved bridge decks, prestressed concrete bridges up to 3 spans (max. 140' span)
3. Integral End Bents or Wingwall Abutments
4. Column piers (up to 3 columns with max. height 80')
5. Standard composite and non-composite box beams
6. Spread I Beam or Spread Box Beam with slabs
7. Maximum roadway width 60'

The person-hours allowed for each "standard" bridge or component are as shown below:

	HOURS		HOURS

SUBSTRUCTURES					
Breastwall Abutments			90		
Single Row Pile End Bent			30		
Integral End Bent			40		
Piers:					
	Single Column	Max to 40'	80	41'-80'	100
	Two Column	Max to 40'	95	41'-80'	120
	Three Column	Max to 40'	110	41'-80'	140
Intermediate Pile Bent			60		
SUPERSTRUCTURE: (ONE-TWO-OR THREE SPANS)					
Non-Composite Std. PPCDU (Standard Drawing)			0		
Composite PPCDU (Slab Details/Per Span)			25		
Beam Details (Spread Boxes/Per Span)			48		
Beam Details (Spread I-Beams/Per Span)			32		
Slab Details Single Span			40		
Slab Details Multiple Spans (2 or 3 Spans)			80		
Construction Elevations			32		
MISCELLANEOUS:					
Title Sheet			16		
General Note Sheet			8		
Layout Sheet			32		
Foundation Layout-Pile Layout & Pile Record			15		
Approach Slab/Each			4		
Check Shop Plans			12		
CULVERTS					
One Barrel			160		
Two Barrels			200		

NOTE: The above hours are based on a structure having a Zero (0) degree skew. (Add 10% to the total hours for a skewed structure.)

Design by AASHTO LRFD Specifications may be requested on selected projects. When these specifications are requested 30% will be added to the total hours for the structure.

The required consulting services will include all final structural design engineering and plan preparation necessary for letting a project to construction. Stages 1 and 2 preliminary plans will not be required.

PROJECT
FUNDING

Variable

TRAFFIC

By Department

PROJECT
SCHEDULE
MILESTONES

Dependent upon the particular project; therefore, it will be determined at a scoping conference.

PREQUALIFICATION
REQUIREMENTS

The project team shall be prequalified in all areas as follows:

STRUCTURE DESIGN

- Structure Design - Spans Under 500'
- Culvert Design