

# Highway Work Proposal

Fond du Lac County Highway Commission

County Trunk Highway B Bridge over Parsons Creek

Town of Byron

Structure No. B-20-3837

County Project No. 10982

Bid submittal due

Date: Tuesday, March 31, 2009

Time: 10:00 a.m. (local time)

Type of work:

Design, fabrication and delivery of a prefabricated concrete structure

## **BID PREPARATION**

### **Bid Documents and Plans**

Copies of the plan and specifications can be obtained for no fee on the internet at:

<https://www.fdlco.wi.gov/Index.aspx?page=1093>

Plans and specifications can also be picked up at the Fond du Lac County Highway Commission for no fee. Anyone desiring plans and specifications by mail shall submit a separate check for \$12.00 payable to the Fond du Lac County Highway Commission to cover shipping and handling charges with a letter requesting a copy of the plan, specifying the name of the project, and providing the mailing address of where the plan is to be mailed.

Bidders shall review plans and bring to the attention of the Engineer any questions, suspected inaccuracies or omissions as soon as noted. Clarification of the item will be made by Addenda to Bidders and each Addendum shall be noted as received on the Proposal form.

The Fond du Lac County Highway Commission will receive bids for the above project until **10:00 A.M. (local time) on Tuesday March 31, 2009** at the Fond du Lac County Highway Commission, 301 Dixie Street, Fond du Lac, WI 54936-1234.

For any questions regarding the above project, contact Paul Sponholz, Fond du Lac County Highway Engineer, at 920-929-0886.

All bids should be submitted using the form included. Facsimile bids will not be acceptable.

### **Insurance**

All suppliers submitting a bid are required to submit proof of insurance. The proof of insurance must be included with the submittal of the bid.

## **SPECIAL PROVISIONS**

### **General**

Perform the work under this contract for Fond du Lac County Project 10982, County Trunk Highway B Bridge over Parsons Creek, Structure Number B-20-3837, Town of Byron, Fond du Lac County, Wisconsin as the plans show and execute the work as specified in the Wisconsin Department of Transportation (WisDOT) Standard Specifications for Highway and Structure Construction 2009 Edition, American Association of State Highway and Transportation Officials (AASHTO) LRFD Design Specifications, the WisDOT Bridge Manual, and these specifications.

### **Scope of Work**

The work shall consist of the design, fabrication and delivery to the site a prefabricated concrete structure to meet the criteria of the plans and specifications included. The structure shall have an open span not less than 20.0 feet, a rise not less than 8.0 feet, and a length of 40.0 feet. The structure shall include prefabricated wing walls and headwalls to be attached to the structure. The structure shall accommodate installation of standard beam guard attached directly to the structure. The installation of the structure will be completed by others.

### **Design**

The supplier shall submit complete design calculations and structure plans for the precast concrete structure prepared and sealed by a professional engineer registered in the State of Wisconsin for approval by the county highway engineer. The supplier shall provide all load rating calculations to include design load ratings, inventory and operating ratings for the structure as well as the maximum Wisconsin DOT Standard Permit Vehicle load using LRFD.

The supplier shall include plans and specifications for the poured-in-place footings which will be constructed by others. The footing plan shall include steel placement and a bill of bars. Subsurface exploration results from the site are included in these contract documents.

The structure shall be designed for a minimum of 12 inches of cover over the crown of the structure.

## **SPECIAL PROVISIONS**

### **Beam Guard Anchors**

The proposed structure shall have embedded anchors to bolt beam guard posts directly to the outside face of the headwall. These anchors shall accommodate three wood posts (6" x 8") on each side of the structure at a spacing of 6'-3" on center with the middle post centered at midpoint of the span. The structure shall have four anchors for each post, for a total of 24 anchors. The anchors shall be high strength steel, zinc coated or galvanized, with a minimum pullout capacity of 20 kips and shall take 5/8-inch diameter bolts. The supplier shall supply all the bolts and washers for the posts and a template to drill the holes in the posts. The bolts and washers are to be zinc coated or galvanized. The wood posts and beam guard will be supplied and installed by others. Installation details of the beam guard shall be in accordance to the standard detail drawings.

### **Name Plate**

The supplier shall install a new name plate into the southwest wing wall in accordance with Section 502.3.11 of the WisDOT Standard Specifications and the standard detail drawings. The name plate is to show the structure number B-20-3837 and the construction year of 2009.

### **Delivery**

The supplier shall deliver the structure to the project site no earlier than June 15, 2009 and no later than September 15, 2009. The actual delivery date shall be coordinated with the Fond du Lac County Highway Commission. The supplier shall be responsible for any storage of the structure until Fond du Lac County is prepared to accept delivery. The Fond du Lac County Highway Commission will provide necessary equipment to unload and set structures. The supplier shall supply the individual weight of the precast units in order to coordinate the proper equipment to unload and set the structures.

In the event that the supplier fails to complete the work which includes on site delivery within the above contract deadline, the supplier shall pay to the Fond du Lac County Highway Commission liquidated damages for such default in the sum of two hundred and fifty dollars (\$250.00) per day for each calendar day the work is delayed.

This sum shall be considered and treated not as a penalty, but as fixed, agreed and liquidated damages due the county from the awarded bidder by reason of inconvenience to the public, added cost of engineering and supervision, increased municipal services, and maintenance costs of detours and other items which have caused an expenditure of public funds resulting from the delay.

## **SPECIAL PROVISIONS**

### **Technical Assistance**

The supplier shall provide a company representative on site during the installation of the structure for technical assistance.

### **Inspection**

Fond du Lac County has the right, at its expense, to assign inspectors to determine that the product is in conformance with the plan and specifications. Fond du Lac County reserves the right to refuse to accept defective or improper product or require the supplier to take correct action on defects to remedy such deficiencies or defects when discovered at the supplier's expense.

The failure of Fond du Lac County to notice or object to improper or defective work shall not waive any warrantee of product or relieve any responsibility of awarded bidder to assure for proper workmanship and materials. Furthermore, the County may make at least one inspection visit to the fabrication site or facilities of the supplier in order to inspect the progress and status of the structure.

### **Warranty**

The supplier shall repair or replace any supplied product which is defective or not in conformity with the contract at no cost to Fond du Lac County for a period of one (1) calendar year after the acceptance date of the product.