



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.kentucky.gov

Steven L. Beshear
Governor

Joseph W. Prather
Secretary

April 3, 2008

CALL NO. 334
CONTRACT ID NO. 082921
Addendum # 1

Subject: Campbell County, FE02 019 0275 B00040
Letting April 18, 2008

Listed below are the enclosed changes on the subject project:

- (1) Revised - Project Identification & Description - Page 4 of 46
- (2) Revised - Special Notes - Pages 8-10 of 46
- (3) Revised - Special Note & Traffic Control - Pages 12-13 of 46
- (4) Revised - Special Note - Page 15 of 46
- (5) Revised - Bid Items - Page 42 of 46
- (6) Revised - Certification of Bid Proposal - Page 46 of 46

Your bid, to be considered, must be based upon the above-mentioned changes, and these changes are to be made a part of the bid proposal which you submit to the Kentucky Department of Highways.

Proposal revisions are available at <http://transportation.ky.gov/contract/>.

If you have any questions, please contact us at (502) 564-3500.

A handwritten signature in black ink, appearing to read "Steve Waddle".

Steve Waddle
Director
Division of Construction Procurement

SW:ks

Enclosures



An Equal Opportunity Employer M/F/D

CONTRACT ID - 082921

ADMINISTRATIVE DISTRICT - 06

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - CAMPBELL
FE02 019 0275 B00040

PCN - MB01902750801

I-275 NORTHERN KENTUCKY CIRCLE FREEWAY BRIDGE OVER OHIO RIVER AT BRENT (MP 73.06).
BRIDGE STEEL REPAIRS.

GEOGRAPHIC COORDINATES LATITUDE 39^03'25" LONGITUDE 84^25'51"

COMPLETION DATE(S):

COMPLETION DATE - June 15, 2008

APPLIES TO ENTIRE CONTRACT

SPECIAL NOTES FOR RETROFIT SPLICE PLATE

All work shall be performed in accordance with the Department's 2008 Standard Specifications and applicable Special Provisions except as hereafter specified. All references to the AASHTO specifications are to the 2002 edition of the AASHTO Standard specifications for highway bridges.

MATERIALS

1. **Structural Steel.** Use new, comply with AASHTO M270 Grade 100. The new splice plates shall be considered fracture critical members, and are subject to the testing requirements for Zone 2 in Table 11 of AASHTO M 270, and the frequency of testing shall be P. Sampling and testing procedures shall be in accordance with AASHTO T 243.
2. **High Strength Bolts, Nuts and Washers.** Comply with AASHTO M253.

CONSTRUCTION

The project consists of removing existing splice plate, and installing new plate as described here and as detailed in the drawings. All work is to be coordinated with the project's maintenance of traffic.

1. **Maintain and Control Traffic.** See special notes for "Traffic Control Plan".
2. **Plans of existing structure.** As an aid to the contractor, plans of the existing bridges are available from the Division of Structural Design upon request. The completeness of these drawings is not guaranteed and no responsibility is assumed by the Kentucky Transportation Cabinet for their accuracy. The existing drawing number for these structures is #18928.
3. **Verifying field conditions.** The contractor shall field verify all plate dimensions and bolt patterns before ordering material. New material that is unsuitable because of variations in the existing structure shall be replaced at the contractor's expense.
4. **Temperature Gauges.** Install at least two (2) temperature gauges (for each plate) to the original steel members near the connection. These gauges are to be monitored periodically for the preceding 2 days of the repair to verify that the base metal will be 250° F less than the new splice plate.
5. **Construction Phase.**
 - a) Cut 3/4" thick plates from 100 ksi gr. M270 Steel and drill bolt pattern per the original shop drawings that must be verified in the field.
 - b) Provide additional fill plates that may not be per the original design.
 - c) Demonstrate that the plates can be field heated to 300° F.
 - d) Replace all bolts other than those on the subject plates, one at a time with one inch diameter A490 bolts (see sheet 3 of Drawings). Direct Tension Indicators (DTI) will be used and placed next to the bolt head. The DTI's will be in accordance with ASTM F959 Type 490. Each replaced bolt must be fully tensioned before proceeding to replace the next. The nuts will be in accordance

with ASTM A563. Flat washers will be used next to the nut. These flat washers will be in accordance with ASTM F 436.

- e) Pre-Heat new splice plate to 300° F for 2 hours in oven like device.
 - f) Remove existing splice plate, and remove any rust on splice contact area with electric grinder with wire brush.
 - g) Verify the thickness of the fill plate and replace if necessary.
 - h) Use a pre-drilled template to verify the bolt hole clearances and make corrections to the original steel members.
 - i) Perform Mag Particle Testing.
 - j) Install the pre-heated splice plate by bolting the outer limits of the bolt pattern first.
 - k) The contractor must install and torque at least half of the splice bolts on each side of the connection within 20 minutes of removing the plate from the pre-heat.
 - l) The remainder of the bolts must be installed and torqued within 45 minutes from removing it from the pre-heat.
6. **Clean, Paint.** Clean and paint all plates in accordance with the specifications. The plates will receive a coat of primer in the shop. After installation all new steel will receive a two component urethane topcoat.
7. **Completion of retrofit construction.** The contractor is required to complete the retrofit construction in accordance with the Plans and Specifications. Other than Bid Items listed material, labor or construction operations, not otherwise specified, shall be considered incidental to the bid items listed. This may include but not limited to incidental materials, disposal of waste off the right-of-way, incidental labor, or anything else that may be required to complete the retrofit construction.
8. **Damage to the structure.** The contractor is responsible for any and all damage to the existing structure during the retrofit construction. After completion of retrofit operations, the structure and structure site shall be left in a condition that is in accordance to section 104.05 of standard specifications.
9. **On-Site Inspection:** The contractor submitting a bid for this work shall make a thorough inspection of the project site prior to submitting a bid and shall be thoroughly familiarized with the existing conditions, the scope of work and difficulties allied to the removal and retrofit operations. The Contractor shall consult the engineer on discrepancies of importance between the existing conditions and plan intent. It is mandatory that the work be expedited after the contract is awarded. The submission of a bid will be considered as evidence that such an examination has been made. Any claims resulting from site conditions will not be honored by the Department of Highways.
10. **Existing steel:** All existing steel that is to be removed shall not be reused in the structure. The steel plates removed shall be delivered to the Kentucky Transportation Center (KTC) for testing. Ted Hopwood is the point of contact for the KTC. His phone number is (859) 257-2501. All other material removed shall become the property of the contractor and shall be removed from the bridge site. The cost of removal shall be incidental to retrofit the splice plate.

METHOD OF MEASUREMENT

1. **Maintain and Control Traffic.** See Traffic Control Plan.
2. **Retrofit Splice Plate.** Structural Steel, High Strength Bolts, Nuts and Washers, will not be measured for payment and shall be considered incidental to Retrofit Splice Plate.

PAYMENT

1. **Maintain and Control Traffic.** See Traffic Control Plan
2. **Retrofit Splice Plate.** Payment for retrofitting the splice plate shall be at the contract unit price of ONE LUMP SUM to perform retrofit operations as shown on the plans. The price bid shall be full payment for all equipment, labor and materials necessary to remove and replace all three (3) plates in accordance with the plans and specifications.

**SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND
LIQUIDATED DAMAGES ON BRIDGE REPAIR CONTRACTS**

- I. COMPLETION DATE.** The Contractor has the option of selecting the starting date for this Contract. Once selected, notify the Department in writing of the date selected at least one week prior to beginning work. All work is to be completed in the 2008 construction season by June, 15, 2008.

STRUCTURE
019 0275 B00040R

- II. LIQUIDATED DAMAGES.** Liquidated damages will be assessed the Contractor in accordance with the Transportation Cabinet, Department of Highway's 2008 Standard Specifications for Road and Bridge Construction, Section 108.09, except that agreed liquidated damages shall be assessed at the rate of \$3,000 per hour when either the June, 15, 2008 date is exceeded or the Bridge Closure is not removed at or before 9:00 AM on the Sunday after the work starts.

TRAFFIC CONTROL PLAN

**THIS PROJECT IS A FULLY
CONTROLLED ACCESS HIGHWAY**

TRAFFIC CONTROL GENERAL

Except as provided herein, maintain and control traffic in accordance with the 2008 Standard Specifications, the current edition of Standard Drawings, and the attached drawings. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work.

Install and maintain two (2) Portable Changeable Message Signs, at locations specified by the Engineer on US 52 in Ohio a week prior to lane closures to warn the traveling public of upcoming bridge work and the Temporary Diversion. Use the same Portable Message Signs to display "Lane Closure", "Merge to Right", "Reduce Speed", and other appropriate messages on the day of lane closure. All signs used at night shall be either retroreflective with a material that has a smooth, sealed outer surface or illuminated to show the same shape and similar color both day and night. The requirement for sign illumination shall not be considered to be satisfied by street, highway, or strobe lighting. Just prior to erecting Traffic Control Devices, Reduce the Speed to 45 mph in two stages. The first sign or message on a changeable message board shall signal reduction of speed to 55 mph, and a mile later using the same method to 45 mph. Payment for the signs shall be at the unit bid price for signs erected. Individual speed limit and double fine signs (If required by the Engineer) will only be measured once for payment; setting; resetting, removing, covering, and relocating of the signs will not be measured for payment but shall be incidental to Maintain and Control Traffic.

PROJECT PHASING & CONSTRUCTION PROCEDURES

Bridge shall be completely closed to traffic ONE TIME from 9:00 PM Saturday to 9:00 AM the following Sunday for the required work. Traffic to Westbound Bridge may shall an alternate route. A sketch of an alternate route is attached. With the approval of the Engineer one lane of traffic on the Bridge may be closed on the same day and prior to the complete bridge closure to allow workers to begin preparation. During this partial closure and just prior to complete closure, bolts other than those on the subject plates may be replaced. No work on the splice plate may be done without a complete bridge closure. If additional lane closure time is needed for preparation work, with the approval of the Engineer one lane of traffic may be closed daily from 9:00 AM to 4:00 PM. Provide for approval by the Engineer a schedule of proposed road closure 14 calendar days prior to beginning work. Upon approval immediately notify the following of the scheduled closings:

PORTABLE CHANGEABLE MESSAGE SIGN

Provide Portable Changeable Message Signs in advance of and within the project at locations to be determined by the Engineer. Use only messages approved or directed by the Engineer; see the Department's Policy for the Use and Placement of Changeable Message Signs. Relocation of PCMS, regardless of how many times, will not be measured for payment but shall be incidental to Maintain and Control Traffic. In the event of damage or mechanical failure, replace, or repair the Changeable Message Signs immediately. Changeable Message Signs will remain the Contractor's property upon completion of construction.

TRAFFIC COORDINATOR

Designate an employee to be Traffic Coordinator. In addition to the requirements of Section 112.03.10, during any period when a lane closure is in place, the Traffic Coordinator shall arrange for personnel to be present on the project at all times to inspect the traffic control and to maintain the signing and devices. The project personnel shall have access on the project to a radio or telephone to be used in case of emergencies or accidents.

LAW ENFORCEMENT OFFICER

Provide Law Enforcement Officer Units (up to 3 units), consisting of an off-duty police officer and a police vehicle equipped with flashing blue lights, at locations and for durations directed or approved by the Engineer. For locations in Campbell County, the Law Enforcement Officer shall be an off-duty police officer from any police agency in Campbell County, Kentucky. In Ohio, the Law Enforcement Officer shall be an officer from any police agency in Hamilton County, Ohio. Payment at the Contract unit price per hour for LAW ENFORCEMENT OFFICER shall be full compensation for all labor, equipment, materials and incidentals for the police unit consisting of one police officer and one vehicle. Additional police units are left to the Resident Engineer's discretion.

PROTECTION OF WATERWAY UNDERNEATH

No material should be allowed to drop into the waterway below.

TRANSPORTATION CABINET

Department of Highways

FRANKFORT, KY 40622

Sheet No: 1

Contract ID: 08-2921

CAMPBELL COUNTY

FE02 019 0275 B00040

Letting: 4/18/08

THE BIDDER MUST MAKE THE EXTENSIONS AND ADDITIONS
SHOWING TOTAL AMOUNT BID USING FIGURES ONLY

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
		BRIDGE			.	.
0010	02562	SIGNS	300.00	SQFT	.	.
0020	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS	.	.
0030	02653	LANE CLOSURE	5.00	EACH	.	.
0040	02671	PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH	.	.
		(REVISED: 4-3-08)				
0050	02775	ARROW PANEL	5.00	EACH	.	.
0060	20411ED	LAW ENFORCMENT OFFICER	36.00	HOUR	.	.
0070	23038NN	RETROFIT SPLICE PLATE	1.00	LS	.	.
		DEMobilIZATION			.	.
0080	02569	DEMobilIZATION	1.00	LS	.	.
TOTAL BID					\$.

CERTIFICATION OF BID PROPOSAL

We (I) propose to furnish all labor, equipment and materials necessary to construct and/or improve the subject project in accordance with the plans, the Transportation Cabinet's Standard Specifications for Road and Bridge Construction, current edition, special provisions, notes applicable to the project as indicated herein and all addenda issued on this project subsequent to purchase of proposal.

We (I) attach a bid proposal guaranty as provided in the special provisions in an amount not less than 5% of the total bid. We agree to execute a contract in accordance with this bid proposal within 15 calendar days after the receipt of the notice of award for the project.

We (I) have examined the site of proposed work, project plans, specifications, special provisions, and notes applicable to the project referred to herein. We understand that the quantities shown herein are estimated quantities subject to increase or decrease as provided in the specifications.

We (I) acknowledge receipt of all addendum(s) (if applicable) and have made the necessary revisions to the bid proposal. We have considered all addendum(s) in the calculation of the submitted bid and applied the updated bid items, which are included.

- Addendum # 1 – Proposal – Completion Date, Special Notes and Bid Items – April 3, 2008

Name of Contracting Firm

BY:

Authorized Agent (Signature)

Title

Address

City

State

Zip Code

Telephone Number

When two or more organizations bid as a joint venture, enter names of each organization and an authorized agent for each organization must sign above.