



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

July 24, 2007

SUBJECT: FAP Route 315 (US 136)
Section (22B) L
Hancock County
Contract No. 72A69
Item No. 112, August 3, 2007 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised pages 1, 2, 3 and 7 of the Special Provisions.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Eric E. Harm
Interim Bureau Chief
Bureau of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger" followed by "P.E." in a smaller font.

By: Ted B. Walschleger, P. E.
Engineer of Project Management

cc: Christine Reed, Region 4, District 6; Roger Driskell; Estimates; Design & Environment File

TBW:DB:jc

STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the “Standard Specifications for Road and Bridge Construction, Adopted January 1, 2007”, the latest edition of the “Manual on Uniform Traffic Control Devices for Streets and Highways”, and the “Manual of Test Procedures for Materials” in effect on the date of invitation for bids, and the “Supplemental Specifications and Recurring Special Provisions” indicated on the Check Sheet included herein, which apply to and govern the construction of FAP 315 (US 136), Section (22B)L, Hancock County and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

DESCRIPTION OF PROJECT

This work shall encompass the removal, disposal, and replacement of certain Keokuk, Iowa – Hamilton, Illinois Mississippi River bridge lighting system components. The work shall involve the replacement of the **eighteen (18)** existing roadway luminaries and lamps, the five (5) existing luminaries under the bridge deck, the existing navigation luminary, and the existing lighting controller. This shall also include the installation of a fused disconnect between the existing service and the proposed replacement lighting controller. Also included in this work is the inspection and repair, if necessary, of the equipotential bonding of **17** of the **18** existing light poles and 9 of the bridge expansion joints.

The existing controller shall be replaced with a new controller pursuant to the Plans and IDOT Standard Specifications. The existing branch circuit feeders, which are currently fed from under the existing pole-mounted controller, shall be removed from the existing lighting controller and re-established in the proposed lighting controller. The proposed 240 Volt, single phase, pad-mounted controller shall be located below the existing 240 Volt, single phase, pole-mounted controller, which shall be removed. A fused disconnect shall be installed between the service meter and the proposed lighting controller in the location of the removed controller pursuant to the Plans. All work, equipment, and materials required complete this work, and to re-establish the existing electrical service, including but not limited to any extension of existing service feeders, and the addition of feeder conductors and raceways shall be according to applicable IDOT Standard Specifications and incidental to this contract. Upon completion of this work, the ground surrounding the proposed controller work shall be re-graded and re-seeded to match the surrounding area.

The **18** roadway luminaries and lamps shall be removed from their existing mast arms, discarded, and replaced by new luminaries and lamps pursuant to this contract. All splice tape, wire nuts, wire, mounting bolts, mounting hardware, and other mounting and connection materials required to carry out this work shall be according to applicable IDOT Standard Specifications and incidental to this contract.

Revised 07/24/2007

The 5 underdeck luminaries and lamps shall be removed, discarded, and replaced by new luminaries and lamps pursuant to this contract. The two (2) underdeck luminaries closest to the lowa abutment shall be 70 Watts, as indicated in the Plans. The remaining three (3) underdeck luminaries shall be 250 Watts, also as indicated in the Plans. Three (3) of the 5 proposed underdeck luminaries shall be removed from their existing circuit connections, and reconnected to different existing branch circuit feeders according to the Plans and herein. All splice tape, wire, wire nuts, mounting bolts, mounting hardware, and other mounting and connection materials required to carry out this work shall be according to applicable IDOT Standard Specifications and incidental to this contract.

17 of the **18** roadway lighting pole bonding jumpers shall be inspected for proper equipotential bonding to the bridge structure. Any of these light poles found to be unbonded to the bridge connection shall be correctly bonded. All labor, materials, equipment, and traffic control required to accomplish this work shall be according to the Special Provision for Grounding and Bonding.

The bridge expansion joint equipotential bonding jumpers shall be inspected where indicated in the Plans for proper placement, and corrected as necessary. All labor, materials, equipment, and traffic control required to accomplish this work shall be according to the Special Provision for Grounding and Bonding.

In addition to guidelines set forth herein, the contractor shall exercise care in the preservation of the integrity of all existing conductors, and all work utilizing existing conductors shall be carried out both to the satisfaction of the Engineer, and in accordance with recognized industry standard practices, Section 1066 of the IDOT Standard Specifications, and the National Electric Code.

Lamps that meet or exceed both luminary manufacturer's recommendations and the IDOT Standard Specifications shall be included for each of the above luminaries and shall be incidental to this contract.

The lights on the Keokuk Bridge shall remain operational throughout the execution of this contract at night.

Some of the work described herein is based upon historical data. The contractor shall field verify prior to bid submittal all information for accuracy.

TRAFFIC CONTROL PLAN

Effective: November 1, 1984

Revised: April 15, 1997

Traffic control shall be in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, these Special Provisions, any special details and Highway Standards contained herein and in the plans.

Revised 07/24/2007

Special attention is called to Sections 107 and 701 through 703 of the Standard Specifications for Road and Bridge Construction, and as amended by the Supplemental Specifications, Recurring Special Provisions, the Special Provisions contained herein, and the following highway standards relating to traffic control:

701101 701601 701701 701801 702001

Keeping Road Open to Traffic: The Contractor shall coordinate the work in such a manner so the roads are kept open to traffic at all times in accordance with the applicable portions of Section 107 of the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2007 and the Standards included in the plans. No lane of traffic shall be less than 12 feet in width.

Limitations of Construction: The Contractor shall coordinate the items of work in order to keep hazards and traffic inconveniences to a minimum, as specified below.

1. The Contractor shall provide, erect, and maintain all the necessary barricades, cones, drums, and lights for the warning and protection of traffic, as required by Sections 107 and 701 through 703 of the Standard Specifications, and as modified.
2. All post mounted signs shall use 100 x 100 mm (4x4 inches) wood posts according to Article 1007.05 of the Standard Specifications and shall be properly braced to the satisfaction of the Engineer. The use of metal posts will not be permitted.
3. Traffic Control and Protection 701601, shall be used to close the lanes as required for Section (22B)L. Traffic Control and Protection 701701 shall be used as required to control the traffic at the intersection just west of the bridge in Keokuk and Traffic Control and Protection 701801 shall be used as required to close the sidewalk.
4. The Contractor will be responsible for the traffic control devices at all times during construction activities and shall coordinate the items of work in order to keep hazardous traffic inconveniences to a minimum.
5. Coordination of work with any other projects within the limits of the traffic control will be required.
6. During the construction of this section the following shall apply: on two lane highways at least one lane shall remain open at all times. No lane closures will be allowed without flagger protection. On multilane highways, at least one lane in each direction shall remain open.

LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT

Effective February 26, 2007

This work consists of furnishing and installing **18** luminaries as indicated in the Plans and Specifications. The luminaries shall be properly connected to the existing mast arms to the satisfaction of the Engineer. All splice tape, wire nuts, wire, mounting bolts, mounting hardware, and other mounting and connection materials required to carry out this work shall be according to applicable IDOT Standard Specifications and incidental to this contract.

Luminaries shall include lamps and be according to Section 1067 of the Standard Specifications with the following additions or exceptions:

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Basis of Payment: This work will be paid for at the contract unit price each for LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT which price shall be payment in full for furnishing, installing, and placing into operation the equipment specified to the satisfaction of the Engineer. All splice tape, wire nuts, wire, mounting bolts, mounting hardware, and other mounting and connection materials required to carry out this work shall be according to applicable IDOT Standard Specifications and incidental to this contract. Included in this work is all splice tape, wire nuts, wire, mounting bolts, mounting hardware, and other mounting and connecting materials required to carry out this work.

UNDERPASS LUMINAIRE, HIGH PRESSURE SODIUM VAPOR

Effective February 26, 2007

This work consists of furnishing and installing luminaries as indicated in the Plans and Specifications. The luminaries shall be properly connected to the bridge at the locations of the current luminaries, which shall be removed and discarded, to the satisfaction of the Engineer. All splice tape, wire, wire nuts, mounting bolts, mounting hardware, and other mounting and connection materials required to carry out this work shall be according to applicable IDOT Standard Specifications and incidental to this contract.

The three (3) 250 Watt underdeck luminaries shall be removed from their existing circuit connections, and reconnected to different existing branch circuit feeders according to the Plans and herein. This branch circuit work, along with all splice tape, wire nuts, mounting bolts, mounting hardware, and other mounting and connection materials required to carry out this work shall be according to applicable IDOT Standard Specifications and incidental to this contract.

All luminaries shall have stainless steel or aluminum housings, and both the ballasts and the lamps shall be accessible for service and replacement from below fixture while the fixture is mounted.

Luminaries shall include lamps and be according to Section 1067 of the Standard Specifications with the following additions or exceptions:

Add the following to first paragraph of Article 1067(c) of the Standard Specifications:

“The reflector shall not be altered by paint or other opaque coatings which would cover or coat the reflecting surface. Control of the light distribution by any method other than the reflecting material and the aforementioned clear protective coating that will alter the reflective properties of the reflecting surface is unacceptable”

Add the following to Article 1067(e) of the Standard Specifications:

“The ballast shall be a High Pressure Sodium, constant wattage auto-regulator, lead type (CWA) for operation on a nominal 240 volt system. The power factor shall be no lower than 0.97 under all assigned loading conditions.”

Revised 07/24/2007