**Illinois Department of Transportation**
2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 2, 2008

SUBJECT: FAI Route 55 (I-55)
Project ACHSIP-055-3 (140) 085
Section D6 Cable Median Bar #3
Sangamon County
Contract No. 72B85
Item No. 48, June 13, 2008 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 sheet 2 of the Plans.
2. Revised pages 3, and 7 – 9 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

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

cc: Roger Driskell, Region 4, District 6; Mike Renner; Estimates

TBW:DB:jc

No broken pavement, open holes, or trenches shall remain on or adjacent to, the traveled way during these events. Barricades, cones, drums or other warning devices shall also be removed from the traveled way during these periods. These periods shall begin at 4:00 p.m. of the day proceeding the beginning day of each event, and end at 12:00 midnight on the final day of each event.

Any inconvenience caused the Contractor in complying with this Special Provision shall be considered as incidental to the contract and no additional compensation will be allowed.

**ADJACENT PROJECTS**

The Contractor is notified of the fact that other contracts in the same location or adjacent to this project will likely be in progress for a portion of this contract. One contract, which is adjacent to this contract, is the interstate resurfacing on I-55 from Southwind Road to Clear Lake Avenue and on I-72 from I-55 to west of Second Street, which is scheduled to be under construction when this contract work begins.

The Contractor of this contract shall cooperate and coordinate all construction activities with the other Contractors in order to avoid delays and to provide the least inconvenience to the motoring public in accordance with Article 105.08 of the Standard Specifications.

**SEEDING, CLASS 2 (SPECIAL)**

Description. This work shall be done in accordance with Section 250 and Section 251 of the Standard Specifications.

Method of Measurement. This work will be measured for payment in **acres** of the surface area seeded.

Basis of Payment. This work shall be paid at the contract unit price per **acres** for SEEDING, CLASS 2 (SPECIAL), which will include fertilizer nutrients.

**CEMENT (BDE)**
Effective: January 1, 2007 Revised: November 1, 2007

Revise Section 1001 of the Standard Specifications to read:

"**SECTION 1001. CEMENT**

**1001.01 Cement Types.** Cement shall be according to the following.

(a) Portland Cement. Acceptance of portland cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

Revised 06/02/2008

b. Rented Equipment. Whenever it is necessary for the Contractor to rent equipment to perform extra work, the rental and transportation costs of the equipment plus five percent for overhead will be paid. In no case shall the rental rates exceed those of established distributors or equipment rental agencies.

All prices shall be agreed to in writing before the equipment is used."

**EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION (BDE)**
Effective: April 1, 2007

Revise Article 105.03(a) of the Standard Specifications to read:

"(a) Erosion and Sediment Control Deficiency Deduction. When the Engineer is notified or determines an erosion and/or sediment control deficiency(s) exists, he/she will notify and direct the Contractor to correct the deficiency within a specified time. The specified time, which begins upon notification to the Contractor, will be from 1/2 hour to 1 week based on the urgency of the situation and the nature of the deficiency. The Engineer will be the sole judge.

A deficiency may be any lack of repair, maintenance, or implementation of erosion and/or sediment control devices included in the contract, or any failure to comply with the conditions of the National Pollutant Discharge Elimination System (NPDES) Storm Water Permit for Construction Site Activities. A deficiency may also be applied to situations where corrective action is not an option such as the failure to participate in a jobsite inspection of the project, failure to install required measures prior to initiating earth moving operations, disregard of concrete washout requirements, or other disregard of the NPDES permit.

If the Contractor fails to correct a deficiency within the specified time, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency exists. The calendar day(s) will begin with notification to the Contractor and end with the Engineer's acceptance of the correction. The daily monetary deduction will be either $1000.00 or 0.05 percent of the awarded contract value, whichever is greater. For those deficiencies where corrective action was not an option, the monetary deduction will be immediate and will be valued at one calendar day."

**HIGH TENSION CABLE MEDIAN BARRIER (BDE-MODIFIED)**

Effective: January 1, 2007

Description. This work shall consist of furnishing and installing a high tension cable (HTC) median barrier with terminals/end anchorages.

Materials. Materials shall be according to the following.

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| Item | Article/Section |
|---|---|
| (a) Reinforcement Bars | 1006.10(a) |
| (b) Portland Cement Concrete (Note 1) | 1020 |
| (c) Wire Rope (Cable) and Fittings (Note 2) | |

Note 1. The portland cement concrete shall be Class SI.

Note 2. The wire rope (cable) shall be according to AASHTO M 30, Type 1 with Class A coating, of the diameter shown in the manufacturer's specifications. Additionally, the wire rope shall be prestretched and shall have a breaking strength of 39,285 lbs (175 kN) for 3/4 in. (19 mm) wire rope (individual wire strength equivalent to 174,000 psi (1200 N/mm)) and the prestretched wire rope shall have a minimum modulus of elasticity of 11,805,000 psi (8300 kg/mm).

The barrier shall be tested and accepted under the National Cooperative Highway Research Program (NCHRP) Report 350 for the required test level and be on the Department's approved list. Barriers installed on front slope grades of 1:6 or flatter shall be Test Level 4. Barriers installed on front slope grades steeper than 1:6 but 1:4 or flatter shall be Test Level 3.

The terminals/end anchorages shall be tested and accepted under NCHRP Report 350 Test Level 3 and be on the Department's approved list.

Equipment. Equipment shall be according to the barrier manufacturer's specifications.

## Construction Requirements

General. The HTC median barrier shall be constructed to the lines and grades shown on the plans and according to the manufacturer's specifications except as modified by the contracts documents.

Line Post Foundations. The line posts for the HTC median barrier shall be driven, in accordance with the manufacturer's specifications.

End Anchorages. The Contractor shall submit shop drawings and calculations to the Engineer prepared and sealed by an Illinois Licensed Structural Engineer detailing the required end anchorage foundation system at each location. The system shall utilize drilled shaft foundation of a diameter, depth, reinforcement, and cable connection determined by the supplier. The design shall utilize Broms method utilizing a minimum factor of safety of 1.5. The design loadings shall consist of the theoretical cumulative cable tension expected for temperature fluctuations to -10 ºF (-23 ºC). The dynamic vehicle impact loading shall not be added to the cable temperature loading for the analysis. The foundation soils shall be assumed to be submerged granular material with a friction angle of 30 degrees or clay soils with a cohesive intercept of 1.0 kip/sq ft (48 kPa), unless site specific soil parameters are specified.

Tensioning. Prior to acceptance of the work, the tension of the HTC median barrier shall be checked, and adjusted as necessary, according to the manufacturer's temperature/tension chart or relationship.

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Hands-On Demonstration. When included in the contract, a hands-on demonstration(s) of maintenance/repair procedures, recommendations and discussion of vehicle recovery, and provisions for emergency openings in the barrier shall be conducted. These demonstrations shall be for emergency responders, maintenance personnel, and others invited by the Engineer and shall either be conducted either at the job-site or at another agreed to meeting facility. Up to 30 attendees shall be accommodated at each demonstration.

Method of Measurement. HTC median barrier will be measured for payment in feet (meters) along the top cable between terminals. Terminals shall be defined as the end anchorages and other components from the extreme ends of a run to a point 50 ft (15.2 m) into the run. This definition of the terminal applies regardless of the length of need point, transitions from anchorage to full height cable, or other features that may vary between systems.

Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for HIGH TENSION CABLE MEDIAN BARRIER.

The terminals/end anchorages and demonstrations will be paid for at the contract per each for HIGH TENSION CABLE MEDIAN BARRIER TERMINALS and HIGH TENSION CABLE MEDIAN BARRIER DEMONSTRATION respectively.

**HOT-MIX ASPHALT - FIELD VOIDS IN THE MINERAL AGGREGATE (BDE)**
Effective: April 1, 2007 Revised: April 1, 2008

Add the following to the table in Article 1030.05(d)(2)a. of the Standard Specifications:

| "Parameter | Frequency of Tests<br><br>High ESAL Mixture<br>Low ESAL Mixture | Frequency of Tests<br><br>All Other Mixtures | Test Method<br>See Manual of Test Procedures for Materials |
|---|---|---|---|
| VMA<br><br>Note 5. | Day's production<br>≥ 1200 tons:<br><br>1 per half day of production | N/A | Illinois-Modified<br>AASHTO R 35 |
| | Day's production<br>< 1200 tons:<br><br>1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day) | | |

Note 5. The $G_{sb}$ used in the voids in the mineral aggregate (VMA) calculation shall be the same average $G_{sb}$ value listed in the mix design."

Add the following to the Control Limits table in Article 1030.05(d)(4) of the Standard Specifications:

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