



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

November 6, 2006

SUBJECT: FAI Route 255 (I-255)
Project CMI-255-6 (019) 006
Section Dist 8 ITS 2007-2, 2b
Madison & St. Clair Counties
Contract No. 76A19
Item No. 19, November 17, 2006 Letting
Addendum B

NOTICE TO PROSPECTIVE BIDDERS:

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

1. Revised page 37 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,

Michael L. Hine
Engineer of Design
and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger P.E.'.

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

cc: Mary C. Lamie, Region 5, District 8; Roger Driskell; Estimates; Design & Environment File

TBW:DB:jc

Door lock and keys in accordance with Article 1085.47(3)c (cabinet door shall be fitted with a Number 2 Corbin lock)

Modifications to the panel and terminal facilities shall be made to the cabinet to meet the operating requirements of (i) the manufacturer of surveillance camera equipment, (ii) the field hardened controller equipment, and (iii) utility companies.

The cost of equipment housed inside the cabinet shall be included in the pay item for CLOSED CIRCUIT TELEVISION CAMERA SYSTEM and the pay items for the communications equipment (Wired Communication Data Converter, vehicle detectors, layer 2 switch, MPEG encoders and fiber termination panel).

The cabinet shall be configured as similar to the existing modified cabinets as practical.

This work shall be paid for at the contract unit price each for CONTROLLER CABINET TYPE III, SPECIAL.

RADAR DETECTION SYSTEM

This work shall consist of furnishing, installing, and placing into operation a Wavetronix SmartSensor™ in High Definition (HD™) or equivalent radar vehicle detection system. This system shall consist of the following components and adhere to the following installation procedures.

MOUNTING LOCATION AND INSTALLATION

The radar detector shall be mountable on a pole with the manufacturer's bracket. The device will be mounted on a new CCTV camera steel light tower 80 foot with camera lowering device at location 025523.5A.45R and on a light pole, steel, 45 foot with camera lowering device at location 557010.3A31R. The operation of the camera lowering device shall not be effected by the installation of the radar detector unit and vice versa. The height of the detector unit shall be determined per the manufacturer's recommendation based on the lateral offset of the CCTV camera pole. The mounting height can be adjusted up to 3 feet in either direction to improve performance. The detector bracket shall be attached to the pole with stainless steel straps. Silicon dielectric compound shall be applied to the detector unit base before attaching it to the mounting bracket. Before tightening the bracket is should be aligned to +/- 2 degrees of perpendicular to the roadway and aimed at the detection area. A 25 pin connector cable is then attached to the unit. The connector cable should be strapped to the pole to prevent cable strain. The radar detector shall be connected to power and the communications equipment in the same cabinet that will house the electronics for the CCTV camera. It shall be connected to a surge detection device. The radar detection system shall include all equipment and devices recommended by the manufacturer for proper operation.

FUNCTIONAL REQUIREMENTS AND OPERATION

The radar detection system shall be capable of either Automatic configuration or manual configuration. The detector shall be capable of detecting up to ten (10) lanes of traffic simultaneously. The detection range shall be within a range of 9 feet to 250 feet. The detector shall be capable of measuring speed, occupancy, classification, and volume on the roadway.

Revised 11/06/2006