

# TRANSPORTATION BULLETIN



## Illinois Department of Transportation

### **Addendum No.1**

Dated June 8, 2005

For Transportation Bulletin No.19ar2, Volume 8

Dated May 13, 2005

### Item 2A

Greater Rockford Airport  
Rockford, Illinois  
Winnebago County  
ILL. Proj. RFD-2820  
Contract No.RO010

### **To All Plan Holders**

This Addendum No. 1 supplements and amends the original plans and specifications and shall be taken into account in preparing bid proposals and shall be part of the Contract Documents.

### **ITEM A: DRAWINGS**

1. Sheet 14: Electrical Details - 2

Delete in its entirety and replace with attached revised Sheet 14.

### **ITEM B: SPECIAL PROVISIONS**

1. ITEM 109 INSTALLATION OF AIRPORT TRANSFORMERS AND VAULT EQUIPMENT

A) Revise section 109-2.22-1 LIGHTING CONTACTORS to read as follow:

“Lighting Contactors shall be mechanically held, 2P, 240VAC minimum with field convertible contacts and shall be Square D, Type SMO-10 or equal. Contractor shall supply all relays and bases and all necessary contacts as shown on the contractor schematic on the plans. All contactors, relays and selector switches shall be mounted in or on the J-Box described below and as shown on the plans.”

B) Add following sections:

**109-2.25 TIMECLOCK**

Timeclock shall be supplied and installed as detailed on the plans. Timeclock shall be programmable for 365 days for eight circuits and shall be suitable for use at 120/240V. Timeclock shall be model number ET70815CR as manufactured by Intermatic or equal.

**109-2.26 TRANCLOSURE**

The transclosure shall be tamper resistant and weather resistant. There shall be no exposed bolts and screws. The construction shall be of No. 12 Ga. mild steel minimum. The transclosure shall be of bolted construction and shall be designed to utilize welded spreader frames at top and bottom. All doors and panels shall have formed edges and all external fasteners shall be of stainless steel. The cover shall be domed to shed water. Construction shall allow additional units to be added on to the existing transclosure at a later date. The transclosure shall have venting design to dissipate the heat of the enclosed equipments. Transclosure shall be shipped completely factory assembled with lifting provisions and shall be mounted on a 4" steel channel skid with lifting provisions. Side panel shall be substituted for door on back side of transclosure. Door hinge shall have a minimum of 0.375" diameter stainless steel. Door shall have a positive 3-point latching mechanism. Door handle shall be capable of accepting a padlock and shall have 0.312" square unthreaded shaft. The primer shall be red oxide, both lead and chromate free. Paint shall be alkyd enamel. Color shall be green, Munsell No. 7.5GY3.2/1.5 with a thickness to be 2.5-3.0 mils after drying.

Transclosure shall be Cat. No. LS554444 as manufactured by Hennessy Products or equal, and shall be complete with aluminum panel.

**109-2.27 J-BOX**

The proposed 36"H x 36"W x 8"D NEMA 12 J-Box shall be model A-363608LP, with panel A-136P36 as manufactured by Hoffman Engineering Company or equal. Contractor shall mount all contactors and relays in the proposed J-Box. Contractor shall submit shop drawings of J-Box and the proposed mounting of the contactor and relays in the J-Box. Contractor shall leave enough space for minimum of 1 future contactor.

**109-2.28 GROUND ROD**

The proposed parking lot lighting system shall be grounded to a ground rod as detailed in the plans.

### **109-2.29 LIGHTING ARRESTER**

The proposed lighting control transclosure shall be furnished with a lighting arrester at the location shown in the plans. The proposed lighting arrester shall be manufactured by Square D or equal.

### **109-2.30 LIGHTING PANELBOARD**

Contractor shall furnish and install a lighting panelboard in the transclosure as detailed on the plans. Lighting panelboards, as installed, shall be U.L. listed, rated 240VAC, and suitable for use at 120/240V, 1-phase. Panelboard shall be provided with main circuit breaker (200 Amp) with 35,000 AIC and branch bolt-on type circuit breakers of the size and ratings as detailed on the panel schedule on the plans with a minimum of 5,000 AIC. Panelboard shall be Square D type NQOD, or equal. Panelboard shall be in a NEMA 12 enclosure. Panelboard shall be minimum 20 CKT.

### **109-2.31 NEW ELECTRIC SERVICE**

The new electric service shall be 120/240V, single phase, 4 wire at 200Amps. The contractor shall install conduit riser and new secondary cables up on the utility pole and leave 10'-0" of minimum cable slack for connections by the utility. Also, install a meter base on the side of the lighting transclosure as shown on the plans. The utility meter will be installed by the utility. Coordinate all work the utility company.

C) Revise section 109-4.4 to read as follow:

“The quantity of materials and work to be paid for under this item shall be as follows:

The lighting control system shall include the installation of the transclosure, translosure foundation, new electric service, electronic time switch, lighting contactors, lighting panelboard, junction box, circuit breakers, and all conduits and conductors inside the transclosure shall be measured as a unit, installed, ready for use and accepted by the Engineer.”

2. ITEM AR800859 CROSSWALK LIGHTING SYSTEM

Revise section 800859-1.1 LIGHTING CONTROL SYSTEM to read as follow:

“The work under this item shall consist of the crosswalk lighting system as detailed on the plans. This equipment includes all equipment necessary to provide a complete and operational system to the satisfaction of the Engineer.

This item shall include furnishing and installation of the complete and operational crosswalk pedestrian traffic signal system as detailed on the plans and as required and accepted by the City of Rockford as a complete and operational system. The work under this item shall include but not limited to IDOT traffic signal controller, controller foundation, new electric service installation, handholes, signal posts, signal heads, foundation for signal posts, push-buttons, cable and conduit required for a complete and operational system.”

3. ITEM AR800860 WALKWAY LIGHTING SYSTEM

Revise section 800860-1.1 LIGHTING CONTROL SYSTEM to read as follow:

“The work under this item shall consist of the walkway lighting system as detailed on the plans. This equipment includes all equipment necessary to provide a complete and operational system to the satisfaction of the Engineer.

This item shall include furnishing and installation of the complete and operational walkway lighting system as detailed on the plans as a complete and operational system. The work under this item shall include but not limited to (17) new bollard lights, bollard light foundations, cable and conduit required for a complete and operational system.”