

# TRANSPORTATION BULLETIN



Illinois Department of Transportation

## **ADDENDUM NO. 1**

Dated: February 24, 2006

For: Transportation Bulletin  
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### Item No. 7A

Kewanee Municipal Airport  
Kewanee, Illinois  
Henry County  
Ill. Proj. No. EZI-3533  
AIP No. 3-17-0058-B10  
Contract No. KE007

### TO ALL PLAN HOLDERS:

#### Reason for Addendum:

The existing airport rotating beacon is a refurbished Hali-Brite DCB36 Series Beacon with a 400 Watt metal halide lamp and slip ring assembly, and was installed in 1991. The Airport Authority recently reported that at times the beacon light does not operate properly during cold weather and that existing slip rings and brushes are in poor condition and need to be replaced.

#### Changes to the Special Provisions:

The following changes are included to address the reported problems with the airport rotating beacon and specify additional replacement parts for the upgrade of the airport rotating beacon.

Section III - Special Provisions.

Item AR800591, UPGRADE AIRPORT ROTATING BEACON

DESCRIPTION

Paragraph 800591-1.1

Revise this paragraph as follows:

800591-1.1. The existing airport rotating beacon is a refurbished Hali-Brite DCB36 Series Beacon with a 400 Watt metal halide lamp and slip ring assembly, and was installed in 1991. The existing slip rings and brushes are in poor condition and need to be replaced. This item of work shall include replacing the existing slip ring assembly and brushes with new a new slip ring assembly and brushes and replacing the existing lighting ballast with a new lighting ballast. This item of work shall also consist of upgrades to the existing airport rotating beacon and shall include replacing the exiting load center at the top of the airport rotating beacon tower with a new load center, furnishing and installing obstruction lighting with a tell-tale relay, and furnishing and installing a lightning protection system as detailed on the Plans and specified herein. This item of work shall include all labor, tools, coordination, equipment, conduit, wiring, controls, obstruction lighting, lighting protection, grounding, site preparation, testing, and all materials and incidentals necessary to perform the upgrades to the satisfaction of the Engineer.

Section III - Special Provisions.

Item AR800591, UPGRADE AIRPORT ROTATING BEACON

EQUIPMENT AND MATERIALS

Add the following paragraphs:

800591-2.10 Slip Ring Assembly and Brushes. The replacement slip ring assembly and brushes shall be as recommended by the airport rotating beacon manufacturer; Hali-Brite Airfield Equipment, P. O. Box 10, Crosby, Minnesota 56441, Phone: 1-800-553-6269, Fax: 218-546-6854. Contractor shall confirm the part number of the existing beacon and confirm the correct replacement parts for the slip ring assembly and brushes with Hali-Brite.

800591-2.11 400 Watt Metal Halide Lighting Ballast. The replacement ballast shall be as recommended by the airport rotating beacon manufacturer; Hali-Brite Airfield Equipment, P. O. Box 10, Crosby, Minnesota 56441, Phone: 1-800-553-6269, Fax: 218-546-6854, and shall be suitable for Class 1 operation as defined in FAA Advisory Circular 150/5345-12E "SPECIFICATION FOR AIRPORT AND HELIPIORT BEACONS", (for operation over the range of -22 to 131 Degrees Fahrenheit). Contractor shall confirm the part number of the existing beacon and confirm the correct replacement part for the lighting ballast with Hali-Brite.

Section III - Special Provisions.

Item AR800591, UPGRADE AIRPORT ROTATING BEACON

CONSTRUCTION METHODS

Add the following paragraphs:

800591-3.12 Installation of Slip Ring Assembly and Brushes. Slip ring assembly and brushes shall be installed in accordance with the directions and recommendations of Hali-Brite.

800591-3.13 Installation of 400 Watt Metal Halide Lighting Ballast. The replacement lighting ballast shall be installed in accordance with the directions and recommendations of Hali-Brite.

Section III - Special Provisions,  
Item AR800591, UPGRADE AIRPORT ROTATING BEACON  
METHOD OF MEASUREMENT  
800591-4.1

Add the following sentence at the end of the first paragraph:

This item shall also include the removal and replacement of the slip ring assembly, brushes, and lighting ballast.