



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 5, 2024

SUBJECT: FAP Route 705 (IL 122)  
Project STP-R5L3(579)  
Section (M-15D,4)RS-1  
Tazewell County  
Contract No. 68C94  
Item No. 30, September 20, 2024 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 22-23 of the Special Provisions.

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

Very truly yours,

A handwritten signature in black ink, appearing to read 'Jack A. Elston'.

Jack A. Elston, P.E.  
Bureau Chief, Design and Environment

### **STONE RIPRAP, CLASS B4 (SPECIAL)**

**Description.** This work shall be performed in accordance with Section 281 of the Standard Specifications for Road and Bridge Construction, except that bedding is not required. Placement of riprap shall be done to the satisfaction of the Engineer.

**Method of Measurement.** This work will be measured for payment in per Ton.

**Basis of Payment:** This work will be paid for at the contract unit price per Ton for STONE RIPRAP, CLASS B4 (SPECIAL).

### **SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)**

This work shall be in accordance with the applicable items contained in Sections 858, 880, 1073, and 1078 of the Standard Specifications except as modified herein.

The Contractor shall furnish and install a solar powered flashing beacon assembly consisting of one 12" yellow or red signal head (as specified on the plan sheets), flasher controller, batteries (**36Ahr total minimum**), and solar cell (**30-Watt minimum**). The flashing beacon assembly shall be designed for continuous operation 24-7 with a minimum **autonomy of fourteen days to provide uninterrupted continuous operation during periods of low sunlight.**

The unit shall conform to the following minimum specifications:

#### LED SIGNAL MODULE

- Red or Yellow
- ITE VTCSH-STD Part 2 Compliant\*
- 12" (300 mm) diameter

#### WARRANTY

- 5-year pro-rated warranty on entire system including batteries

#### ENVIRONMENTAL

- Optimal ambient range -4°F to 77°F to (-20°C +25°C)
- Maximum ambient temperature range -40°F to 176°F (-40°C to +80°C)
- Solar requirements: maximum installation latitude 49 Deg N/S\*\*

#### OPERATION

- Flash pattern
- MUTCD compliant

Revised September 5, 2024

### ENERGY MANAGEMENT SYSTEM

- Battery lifespan 5-8 years (field replaceable)

### MOUNTING HARDWARE

- 2" Square perforated tubing (Telespar™ or equivalent)
- Bracket mounted for installation on wood pole.

### MUTCD COMPLIANCE

- MUTCD compliant: 2009 MUTCD, Chapter 4L, Flashing Beacons, Manual on Uniform Traffic Control Devices (MUTCD)

### SOLAR PANEL

- **30 W Minimum High Efficiency Solar Panel**

### BATTERY

- **12V 36 Amp Hour (Minimum)**
- MUTCD compliant: 2009 MUTCD, Chapter 4L, Flashing Beacons, Manual on Uniform Traffic Control Devices (MUTCD)

### FEATURES AND OPERATION

- Engineered for up to five years of maintenance-free operation
- Unit designed to flash 24 hours-per-day 365 days-per-year
- **Minimum autonomy of 14 days for continuous uninterrupted operation**
- Automatically adjusts to prevailing solar conditions to ensure continuous, dependable operation
- Self-contained assembly (solar panel, battery, and electronics housed in a compact enclosure located above the traffic signal head
  
- Vandal-resistant integrated design
- No scheduled maintenance or servicing for 5 years
- Will charge under nearly all-weather conditions
- Polycarbonate housing (available in yellow, black, and green)

Basis of Payment: The above work will be paid for at the contract unit price Each for SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE) and shall be payment in full for all labor, materials, and equipment required to furnish and install the solar powered flashing beacon assembly described above complete.

Revised September 5, 2024