



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 16, 2020

SUBJECT: FAP 331 (IL 149)
Section 19-00077-00-SP (Murphysboro)
Jackson County
Contract No. 99640
Item 185
April 24, 2020 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 the Schedule of Prices.**
- 2. Revised sheet 3 of the Plans.**
- 3. Revised pages 3 & 5 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

FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION: This work shall be performed in accordance with applicable portions of Section 801 and 1078 of the Standard Specifications for Road and Bridge Construction and shall consist of furnishing and installing the Solar Powered LED Flashing Warning Signs, including solar power supply, post, pedestrian push button, warning signs and plaques, and wireless communication equipment as shown on the plans and/or as specified by the Engineer. All equipment and hardware required to mount the Solar Powered LED Flashing Warning Signs and associated equipment shall be included in the unit cost of the item. The final elevation and location of the signs shall be approved by the Engineer prior to the Contractor beginning work.

Materials:

1. Sign Materials -Construction -Compliance

- a. Sign reflective sheeting in compliance with current MUTCD requirements for reflectivity, wording, materials and mounting guidelines.
- b. Pole mounting requirements per MUTCD guidelines.
- c. Sign constructed of .080 aluminum with stainless / aluminum fasteners and weatherproof sealant. **School crossing signs shall be diamond grade R1-6C signs.**
- d. All mounting hardware fasteners shall be theft deterrent hardware preferably Tufnut security hardware where applicable.
- e. 3/8" x 3" stainless steel tap bolts for standard mounting hardware (other mounting options available).
- f. Battery access compartment located at lower portion of sign to allow access to battery compartment for maintenance (field replaceable battery).
- g. Solar signs to have a 2" to 4" wide casing, depending on model, between front and rear sign faces to enclose all wiring, battery, PCB and LED light connections. AC powered signs 2" wide casing.
- h. Security keyed ON/OFF switch located on side of casing controlling operation.
- i. Vented weatherproof casing allowing ambient air to circulate for internal components and prevent condensation and excessive heat buildup.
- j. Compression type solar panel connector allowing optimum directional placement of solar collector.
- k. Anti-theft placards and decals for theft/ vandalism deterrents.
- l. Serial # plate with manufacture date for informational and warranty purpose.

2. Battery

	12 Volt 12 Volt 22000mAH SLA	6 Volt 2 -6 Volt 9000mAh SLA (18 Ah Total)
Dimensions	7.4" X 3.03" X 6.59"	5.95" X J.34" X 3. 70"
Weight	12.74 lb.	3.09 lb.
Terminal Connector	Nut/Bolt	T2-Spade
Operating Temperature	-40°F to + 156°F	-40°F to + 156°F
Warranty	1 Year	1 Year

- a. Battery mounting with aluminum fasteners and brackets for in-field replacement after life cycle has expired.
- b. Battery casing fully sealed in a moisture and corrosion proof casing.
- c. Required battery replacement every 18 months from manufacture date.

Solar Panel Collector

- a. The signs, push button, solar panel, battery and all other appurtenances shall be mounted to a signal post meeting the requirements of Section 875
 - b. The post shall be aluminum in accordance with article 1077.01.
 - c. All bands connecting the various appurtenances to the post shall be galvanized.
6. Push Button
- a. The push button shall conform to Section 876 and as specified on the plans.
7. Foundation
- a. The post foundation shall be metal helical foundation. See plan details for requirements.
 - b. Metal foundations shall conform to Section 836
8. Software
9. Control Cabinet

Warranty. All materials shall be warranted for three years from the date of acceptance or turn on by the Illinois Department of Transportation.

Installation. The Solar Powered LED Flashing Warning Signs shall be installed strictly according to the manufacturer's recommendations, the applicable portions of the "Standard Specifications", as shown on the plans, and/or as directed by the Engineer.

Basis of Payment: This work will be paid for at the contract unit price per each FLASHING BEACON POST MOUNTED SOLAR POWERED INSTALLATION. The unit price shall include all labor, materials, and equipment necessary to furnish and install the Solar Powered LED Flashing Warning Signs complete with solar power supply, sign post, sign post foundation, pedestrian push button, warning signs and plaques, wireless communication equipment, control cabinets, control software, all programming, all mounting hardware, and all other necessary appurtenances.

PAVEMENT MARKING REMOVAL – WATER BLASTING: This item of work shall consist of providing all labor, equipment and materials required to remove existing pavement markings by water blasting. This work shall be performed in accordance with the applicable portions of the "Standard Specifications". This work will be paid for at the contract unit price per sq ft for PAVEMENT MARKING REMOVAL – WATER BLASTING.

PARKING LOT PAVEMENT REMOVAL: This item of work shall consist of providing all labor, equipment and materials required to remove existing pavement in parking lots as shown on the plans. This work shall be performed in accordance with the applicable portions of the "Standard Specifications". This work will be paid for at the contract unit price per sqyd for PARKING LOT PAVEMENT REMOVAL.

VALVE BOX TO BE ADJUSTED: This item of work shall consist of providing all labor, equipment and materials required to adjust valve boxes to match the proposed surface. This work shall be performed in accordance with the applicable portions of the "Standard Specifications". This work will be paid for at the contract unit price per each for VALVE BOX TO BE ADJUSTED.