



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 26, 2024

SUBJECT: FAP Route 639 (IL 17)
Project STP-HECB(225)
Section (123,124)RS-4
Mercer County
Contract No. 68E30
Item No. 43, March 8, 2024 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 21 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

If provided as a payment item, the additional cement required by the mix design will be measured and paid as specified in Section 302. If not provided as a payment item, the cost of additional cement required by the mix design **will be paid for according to Article 109.04.**

RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)

Description: This work shall consist of furnishing all labor, equipment, and material necessary for the installation and assembly of the rectangular rapid flashing beacon complete (RRFB), which includes sign support pole, breakaway base, pole foundation, signs, pedestrian push button, solar panel, and flashing lights and removal of existing cross walk sign assemblies including sign panels, sign panel assemblies, telescoping sign supports and bases, and metal posts. As shown in the plans, each assembly includes signing and beacons on both sides of the pole. The work for signs, pedestrian push button, solar panel, and flashing lights shall be in accordance with Section 720 of the Standard Specifications and plan details for the specified locations. Removal of assemblies shall be in accordance with section 724 of the Standard Specifications and plan details for the specified locations. The work for the sign support pole and base shall be in accordance with Section 1077.01 of the Standard Specifications and plan details for the specified locations. The Type A PCC foundation shall be in accordance with Section 1020 and Highway Standard 878001-11 and plan details for the specified locations.

The RRFB assembly shall conform to the following minimum specifications:

Functional Specifications

1. The light intensity of the vehicle indications shall meet the minimum specifications of Society of Automotive Engineers (SAE) standard J595 (Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles) dated November 2008. Manufacturer Certification of Compliance shall be provided upon request.
2. When activated, all indications associated with a given crosswalk (including those with an advance crossing sign, if used) shall simultaneously commence operation of their alternating rapid flashing within 120 msec and shall cease operation at a predetermined time after the pedestrian actuation.
3. The Pedestrian indication shall be directed at and visible to pedestrians in the crosswalk, and it shall flash concurrently with the vehicle indications to give confirmation that the RRFB is in operation.
4. The system shall include an actuation counter providing data that can be downloaded on-site to a laptop computer using DB9 or USB type cables.
5. Autonomy with a fully charged battery shall be up to 14-28 days without sun, dependent upon ambient temperature and number of activations.

Revised February 26, 2024