Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 15, 2024

SUBJECT FAP Route 600 and FAI Route 64 (IL 159 and I-64)
Project CMAQ-HSIP-4U5N(249)
Section (130,130-1,130-2)TS-3, 82-5TS
St. Clair County
Contract No. 76R78

Item No. 70, August 2nd, 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 Schedule of Prices.
2. Revised page 13 of the Special Provisions.
3. Revised sheets 9 and 42 of the Plans.

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,

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

MTS

+24Vdc cabinet supplies and the controller power supplies via +24V MONITOR I, +24V MONITOR II, and Controller Voltage Monitor (CVM) inputs respectively. The conflict monitor shall use a programmable alpha-numeric LCD to show monitor status and two icon based LCDs to show field signal channel and fault status.

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Communication. Controller shall be designed to communicate in two formats. Controller shall communicate in NTCIP format in full compliance with standard NTCIP 1201. Controller shall communicate in the format of the legacy controllers of the District, Econolite traffic signal controller models ASC/3 and Cobalt. The communication format may be altered by installation of an alternate firmware version.

The USB port shall offer the following capabilities to a standard USB storage device that can be purchased at any big box store. The number of files eligible for access to the thumbdrive shall be limited by the storage size of the USB storage device.

- Save data from/load data to controller
- Update controller firmware

Controller shall be capable of communicating to the central office software over the following mediums: IP, FSK over copper, phone modem, and serial over fiber. Controller shall be capable of communication in a closed-loop system with an existing master controller.

Interface. Controller display screen shall be in a menu format with a minimum of 16 lines of display. The interface shall be capable of displaying at least two active status screens from the menu of active status screen choices. Controller shall offer at least five favorites keys which store a display for easy access.

General Capabilities. Controller shall support the following functions:

- 4 rings and 16 phases
- Dynamic max timers
- Four phase banks - an alternate set of phase data selectable by time of day command
- Eight overlaps in formats standard, FYA, timed and pedestrian
- Detector diagnostics – three measurements, two levels activated by time of day
- FYA support for any NEMA cabinet manufacturer format
- 64 vehicle detectors
- 8 special detectors
- 8 pedestrian detectors
- 6 pre-empt detectors

The cabinet shall include a new fiber optic distribution enclosure. The distribution enclosure shall be of adequate capacity to accommodate the number of fibers to be terminated in the cabinet as noted in the plans.

Revised 7-10-2024