



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 8, 2020

SUBJECT: FAI Route 74 (I-74)
Project NHPP-LJIE(900)
Section (10-6,7)BDR
Champaign County
Contract No. 70B92
Item No. 43, January 17, 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 pages 11 and 14 of the Special Provisions.
3. Revised sheets 6, 85, and 86 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,

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

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

REAL-TIME TRAFFIC CONTROL SYSTEM

Revised: October 21, 2014

Description: This item shall consist of furnishing, installing, maintaining, relocating, and removal of an automated portable Real-Time Traffic Control System (RTTCS) meeting the requirements noted herein and providing the maintenance of the system during the duration of the work.

The Contractor shall furnish said system for measuring and delivering condition-responsive alerts on the project.

The RTTCS will be located **as shown on detail or as directed by Engineer**. The RTTCS shall be installed and operational two weeks prior to any lane closures on the project and shall remain in place until directed by the engineer to remove the system or a portion thereof.

The RTTCS shall consist of, at a minimum:

- A Real-Time Traffic Control Sensor Unit. Each unit shall consist of:
 - **One** Warning signs with sign legend as shown in the plans.
 - Each sign shall have amber wigwag LED flashing lights (two flashers per sign for a total of four flashers per Unit) attached, with a minimum lens size of 12 inches. The flash pattern and flash sequence shall comply with the Manual of Uniform Traffic Control devices (MUTCD), Chapter 4L.
- **Two** traffic sensors.
 - Remote communication hardware and software and controllers capable of activating flashing beacons.
 - One Real-Time Traffic Control Central Base Unit equipped with appropriate hardware, software and dedicated network connection.
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The exact locations of all devices shall be determined as part of an on-site communications analysis with the Contractor.

The RTTCS shall meet the following specifications:

- The RTTCS shall be a proven system that has been successfully deployed and operated in actual work zone and congestion areas.
- The RTTCS shall be capable of identifying stopped / slowed traffic conditions. The system shall self test for communication or sensor failures.

Revised 1/8/2020

Additional Real-Time Traffic Control Sensor units installed as directed by the Engineer after the initial deployment of the system shall be in operation and accepted by the Engineer within fourteen (14) calendar days after the Contractor receives written notification of changes from the Engineer. If the Contractor fails to update the RTTCS to full operation within the time limits specified above, the Engineer will impose a daily monetary Traffic Control Deficiency Deduction for each calendar day (or portion thereof) the deficiency exists, as described in Article 105.03 of the Standard Specifications.

A traffic control deficiency deduction will be made for each individual component of the RTTCS that is not functioning correctly. Individual components of the RTTCS are traffic sensors, central base station, and signs with flashers.

Method of Measurement: This work will be measured for payment as follows.

Real-Time Traffic Control Sensor Unit will be measured on a calendar month basis per each unit, which each unit includes two signs, four flashers, and one sign with two flashers on any ramps, one traffic sensor, remote communication hardware and software, and controllers capable of activating flashing beacons.

Real-Time Traffic Control Central Base Unit will be measured on a calendar month basis, which includes all hardware, software, website, and communications network necessary to run the Real-Time Traffic Control System.

Basis of Payment: This work will be paid for as follows.

Real-Time Traffic Control Sensor Unit shall be paid for at the contract unit price per calendar month or fraction thereof for REAL-TIME TRAFFIC CONTROL SENSOR UNIT.

Real-Time Traffic Control Central Base Unit shall be paid for at the contract unit price per calendar month or fraction thereof for REAL-TIME TRAFFIC CONTROL CENTRAL BASE UNIT.