



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 26, 2018

SUBJECT FAP Route 338, 337 (IL 59, IL 22)
Project NHPP-6W8E (078)
Section 2016-051B
Lake County
Contract No. 62D35
Item No. 7, November 9, 2018 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 page ii of the Table of Contents to the Special Provisions.
3. Added pages 136-140 to the Special Provisions.
4. Revised sheets 9 and 19-22 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
Bureau of Design and Environment

A handwritten signature in black ink, appearing to read "Ted B. Walschleger P.E." with a stylized flourish at the end.

By: Ted B. Walschleger, P. E.
Engineer of Project Management

cc: Anthony Quigley, Region 1, District 1; Tim Kell; D. Carl Puzey

MS/ab

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Revised 10/26/18

TEMPORARY LIGHTING FOR SINGLE LANE STAGING

Effective: January 1, 2012

Description:

This item shall consist of furnishing, installing, operating, maintaining and removing all the components necessary for the complete and safe Temporary Lighting in construction zone where traffic is staged in a single lane.

Materials:

The materials used for the installation of the Temporary Lighting for Single Lane Staging can be new or used and shall remain the property of the Contractor after the removal.

The material shall be according to the Standard Specifications, the special provisions or as directed by the Engineer. The contractor shall submit to the Engineer, prior to installation, suitable and complete information for the proposed material documenting conformance to requirements herein.

The Temporary Lighting for Single Lane Staging plan sheets show typical materials to be installed. The Contractor shall provide the materials shown in the plans and any additional materials required to install Temporary Lighting for Single Lane Staging. All materials required for the complete and safe installation of the Temporary Lighting for Single Lane Staging shall be included as part of this pay item.

Wood poles, luminaires, mast arms, electric service box, conduit, wire, ground rods and any additional materials required to install a complete Temporary Lighting for Single Lane Staging shall be included as part of this item as indicated and as required.

The electric service installation, the electric utility service connection, electric utility charges, and any associated labor or materials are included in the lump sum payment and will not be paid separately.

The maintenance of the Temporary Lighting for Single Lane Staging is part of this item and will not be paid separately.

The equipment used for the Temporary Lighting shall be UL listed or as otherwise approved by the Engineer.

Added 10/26/18

Installation:

The Temporary Lighting for Single Lane Staging layout as shown in the contract plans shows spacing, setback, and placement of the equipment required for a typical installation. The layout of the temporary equipment will vary based on field conditions, staging, utility impacts, and electric service location as coordinated with the electric utility. The contractor shall submit a plan or sketch indicating the setting of poles, traffic signals, and the combined service including dimensions between poles, setback, and pole locations by stationing or dimensioning from some existing fixed objects as well as any revisions required for staging. This submittal must be approved by the engineer before any poles are placed.

The contractor is responsible for advance coordination with the electric utility company required to attain electric service for the Temporary Lighting for Single Lane Staging. The contractor shall contact the electric utility company prior to the pre-construction meeting and document the status of the coordination at the meeting.

Contractor shall coordinate his work fully with the ComEd both as to the work required and the timing of the installation. No additional compensation will be granted under this or any other item for extra work caused by failure to meet this requirement. **Please contact ComEd, New Business Center Call Center, at 866 NEW ELECTRIC (1-866-639-3532) to begin the service connection process. The Call Center Representatives will create a work order for the service connection. The representative will ask the requestor for information specific to the request. The representative will assign the request based upon the location of project.**

The Contractor should make particular note of the need for the earliest attention to arrangements with ComEd for service. In the event of delay by ComEd, no extension of time will be considered applicable for the delay unless the Contractor can produce written evidence of a request for electric service within 30 days of execution.

Electrical service shall be 240/120V 1 Phase 3 Wire. Where 240V service is not available, the contractor may submit a proposal for 120V service. Where 120 volt source is indicated, service drop cable shall be installed accordingly and lighting main breaker and all other service appurtenances shall be appropriately rated and included regardless of the service voltage applied to the installation.

Temporary lighting and temporary traffic signals shall be powered by one shared electric service 120/240V 3 wire one phase and shall be metered or as otherwise approved by the Engineer. Electric service costs shall be paid as specified in the special provision for temporary traffic signals. The contractor shall be responsible for discontinuing electric service when so approved by the Engineer.

Added 10/26/18

The disconnect box shall be NEMA 4X stainless steel, nominally 12" W x 16" H x 8" D with piano hinged door, steel back panel, fast acting stainless steel enclosure clamps, padlock provisions and door stop kit (Hoffman catalog #A-16H1208SS6LP/A-16P12/A-DSTOPK/C-PMK12, or approved equal).

Circuit Breakers shall be thermal magnetic bolt-on type with a minimum interrupt capacity of 25,000 symmetrical amperes at 240 volts. Breakers shall be lockable in the off position for lockout/tag-out compliance.

Bus bars, connectors, and lugs shall be copper, insulated and isolated, and configured to prevent shorted conditions from tightening terminations. Lugs and connectors shall be rated for 75°C. Overall bus sections shall be configured behind an insulating barrier shield which is removable for access to connections. The circuit breakers and bus may be part of an approved panelboard assembly.

Disconnect surge protector shall be suitable for 240/120 volt single phase 60Hz, AC electrical service. Protector shall have a surge energy capability of 2160 joules or better at 8/20 microseconds, rate -40 to 60°C., with LED operating indicators and shall be UL listed per UL 1449. The surge protector shall be a Cutler Hammer CMOV230L065XST or approved equal.

Steel strut channel, conduit, wire, and ground rods to complete the installation of the disconnect box shall be included as part of this item, as required and as indicated.

Combination ground and neutral bar shall be configured with separate ground and neutral sections and spare terminals as indicated. The heads of grounding screws shall be painted green. The heads of neutral screws shall be painted white.

A plastic laminated layout and circuit diagram shall be affixed to the interior side of the enclosure door.

A 2-color engraved plastic nameplate, attached with screws and engraved as indicated, shall be provided for each main breaker.

The exact mounting height for the Electric Service Disconnect shall be field determined and marked by the Engineer.

The contractor is responsible for contacting IDOT Electrical Maintenance Contractor for locates of any buried State electrical facilities. The contractor shall contact JULIE for locates of any other utilities in the construction zone.

Added 10/26/18

When the temporary traffic signal and lighting installation are to share any common elements such as wood poles, electrical service, disconnect box, cable, etc., the contractor shall coordinate the temporary signals and the lighting installation.

The contractor shall install the equipment in accordance with the Standard Specifications for Road and Bridge Construction, the special provisions or as directed by the Engineer. The Temporary Lighting and any other associated provisional installation, including Traffic Signals, shall be inspected and approved by the Engineer prior to placing in operation.

When the contract work is complete and all the lanes are open to the traffic, the contractor shall remove and salvage all the temporary lighting equipment within 30 days.

The contractor is responsible for restoring, including any grading or seeding, of all areas disturbed under this contract to the satisfaction of the Engineer.

Method Of Measurement:

Temporary Lighting for Single Lane Staging installed complete as specified and as indicated on the plans, shall be counted as lump sum for payment.

The contractor shall receive and accept the compensation as herein described; 50 percent of the total cost of this pay item shall be paid after the installation and approval by the Engineer of the complete Temporary Lighting, and the remaining 50 percent shall be paid after the removal once the project is completed.

All equipment and work provided by the Contractor including coordination, revisions, relocations, installation, maintenance, removal and restoration required to provide complete and operational Temporary Lighting for Single Lane Staging are included in the lump sum payment. The electric service installation, the electric utility service connection, and any associated material, labor, or charges to the utility company are included in the lump sum payment and will not be paid separately.

No extra compensation shall be paid to the Contractor for any incidental materials and labor required to fulfill the requirements as shown on the plans and specified herein.

Basis Of Payment:

This work will be paid for at the contract lump sum price for **TEMPORARY LIGHTING FOR SINGLE LANE STAGING**.

Added 10/26/18

TEMPORARY TRAFFIC SIGNAL TIMING

Effective: May 22, 2002

Revised: July 1, 2015

Description.

This work shall consist of developing and maintaining appropriate traffic signal timings for the specified intersection for the duration of the temporary signalized condition, as well as impact to existing traffic signal timings caused by detours or other temporary conditions.

All timings and adjustments necessary for this work shall be performed by an approved Consultant who has previous experience in optimizing Closed Loop Traffic signal Systems for District One of the Illinois Department of Transportation. The Contractor shall contact the Traffic Signal Engineer at (847) 705-4424 for a listing of approved Consultants.

The following tasks are associated with TEMPORARY TRAFFIC SIGNAL TIMING.

- (a) Consultant shall attend temporary traffic signal inspection (turn-on) and/or detour meeting and conduct on-site implementation of the traffic signal timings.
- (b) Consultant shall be responsible for making fine-tuning adjustments to the timings in the field to alleviate observed adverse operating conditions and to enhance operations.
- (c) Consultant shall provide monthly observation of traffic signal operations in the field.
- (d) Consultant shall provide on-site consultation and adjust timings as necessary for construction stage changes, temporary traffic signal phase changes, and any other conditions affecting timing and phasing, including lane closures, detours, and other construction activities.
- (e) Consultant shall make timing adjustments and prepare comment responses as directed by the Area Traffic Signal Operations Engineer.
- (f) Return original timing plan once construction is complete.

Basis of Payment.

The work shall be paid for at the contract unit price each for TEMPORARY TRAFFIC SIGNAL TIMING, which price shall be payment in full for performing all work described herein per intersection. When the temporary traffic signal installation is turned on and/or detour implemented, 50 percent of the bid price will be paid. The remaining 50 percent of the bid price will be paid following the removal of the temporary traffic signal installation and/or detour.

Added 10/26/18