



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 17, 2012

SUBJECT: Various Routes
Section D-3 LED Retrofit 2012-1
DeKalb County
Contract No. 66B54
Item No. 42, January 20, 2012 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 Table of Contents to the Special Provisions.
2. Added pages 24 - 26 to the Special Provisions.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John Baranzelli,
Acting Engineer of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger" followed by a small "P.E." to the right.

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

cc: Eric Therkildsen, Region 2, District 3; Mike Renner; Estimates

TBW:MS:jc

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Revised 01/17/12

ACCESSIBLE PEDESTRIAN SIGNALS (APS) (BDE)

Effective: April 1, 2003

Revised: January 1, 2007

Description. This work shall consist of furnishing and installing accessible pedestrian signals (APS). Each APS shall consist of an interactive pedestrian pushbutton with speaker, an informational sign, a solid state electronic control board, a power supply, wiring, and mounting hardware. The APS shall meet the requirements of the MUTCD and Sections 801 and 873 of the Standard Specifications, except as modified herein.

Electrical Requirements. The APS shall operate with systems providing 95 to 130 VAC, 60 Hz and throughout an ambient air temperature range of -29 to +160 °F (-34 to +70 °C).

The APS shall contain a power protection circuit consisting of both fuse and transient protection.

Audible Indications. A pushbutton locator tone shall sound at each pushbutton.

A clear, verbal message shall be used to communicate the pedestrian walk interval. This message shall sound throughout the WALK interval only. The verbal message shall be "WALK SIGN", which may be followed by the name of the street to be crossed. No other messages shall be used to denote the WALK interval.

Automatic volume adjustments in response to ambient traffic sound level shall be provided up to a maximum volume of 89 dB. Locator tone and verbal messages shall be no more than 5 dB louder than ambient sound.

Pedestrian Pushbutton. Pedestrian pushbuttons shall be at least 2 in. (50 mm) in diameter or width. The force required to activate the pushbutton shall be no greater than 3.5 lb (15.5 N).

If a pushbutton is depressed for three seconds, a custom verbal message shall be given before the walk cycle goes into effect which tells the pedestrian their location or other pertinent information about the intersection.

A red light emitting diode (LED) shall be located on or near the pushbutton which, when activated, acknowledges the pedestrians request to cross the street.

Signage. A sign shall be located immediately above the pedestrian pushbutton and parallel to the crosswalk controlled by the pushbutton. The sign shall resemble either of the following:

Added 01/17/12



Tactile Arrow. A tactile arrow, pointing in the direction of travel controlled by a pushbutton, shall be provided either on the pushbutton or its sign. This arrow shall meet the requirements of Section X02.5.1.4 of the U.S. Access Board's "Public Rights-of-way Access Advisory Committee Report, 2001".

Vibrotactile Feature. When specified on the plans, vibrotactile messages shall also be provided at each pedestrian pushbutton. The pushbutton shall pulse when depressed and shall vibrate continuously throughout the WALK interval.

Method of Measurement. This work will be measured for payment as each, per pushbutton.

When provided the vibrotactile feature will be measured for payment as each, per pushbutton.

Basis of Payment. This work will be paid for at the contract unit price per each for ACCESSIBLE PEDESTRIAN SIGNALS.

When provided, the vibrotactile feature will be paid for at the contract unit price per each for VIBROTACTILE FEATURE.

ACCESSIBLE PEDESTRIAN SIGNALS

In addition to the [below specifications and the BDE special Provision "Accessible Pedestrian Signals \(APS\)"](#), the ACCESSIBLE PEDESTRIAN SIGNALS and VIBROTACTILE FEATURE shall be compatible with the existing two wire system connecting the existing pedestrian push-buttons to the controller cabinet.

The following is also required:

EZ COMM NAVIGATOR PUSHBUTTON

POL-EN25ANO-Y 5X7 2 WIRE EZ NAVIGATOR YELLOW

Added 01/17/12

POL-CCU2EN CCU w/USB & Ethernet Port (Inc 1
Hardware Kit)
POL-EZ CONFIGURATOR EZ CONFIGURATOR 1
SPECIAL MESSAGE ON UNIT
STREET NAME IN BRAILLE
3RD LINE OF BRAILLE
SPECIAL MESSAGE RECORDING PER 1
CROSSING
SPECIAL MESSAGE DELIVERED BY 1
FLASH DRIVE
SPECIAL MESSAGE DELIVERED BY 1
E-MAIL

Vibrotactile messages shall also be provided at each pedestrian pushbutton. The pushbutton shall pulse when depressed and shall vibrate continuously throughout the WALK interval.

Added 01/17/12