



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 28, 2024

SUBJECT: FAP Route 742 (IL 2)
Project NHPP-WZB9(472)
Section 33 RS-3 & (34Y)RS-5
Winnebago County
Contract No. 64P61
Item No. 26, 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 the Schedule of Prices.
2. Revised the Table of Contents to the Special Provisions.
3. Revised pages 22-23 of the Special Provisions.
4. Added pages 57-59 to the Special Provisions.
5. Revised sheets 2, 3, and 10 of the Plans.
6. Added sheet 55A to 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

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be furnished to the Department and to the Department's Traffic Signal Maintenance Contractor.

Consultant shall furnish to IDOT two (2) CDs for the optimized system. The CDs shall include the following elements:

- Electronic copy of the technical memorandum in PDF format.
- Revised Synchro files (or other appropriate, approved optimization software file) including the new signal and the rest of the signals in the closed loop system.
- Traffic counts conducted at the subject intersection.
- New or updated intersection graphic display file for the subject intersection.
- The CD shall be labeled with the IDOT system number and master locations, as well as the submittal date and the consultant logo. The CD case shall include a clearly readable label displaying the same information securely affixed to the side and front.

Method of Measurement. Measurement for this work will be per each at the location specified.

Basis of Payment. This work will be paid for at the contract unit price per each for OPTIMIZE TRAFFIC SIGNAL SYSTEM.

Revised February 28, 2024

BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE)

Effective: November 2, 2006

Revised: August 1, 2017

Description. Bituminous material cost adjustments will be made to provide additional compensation to the Contractor, or credit to the Department, for fluctuations in the cost of bituminous materials when optioned by the Contractor. The bidder shall indicate with their bid whether or not this special provision will be part of the contract.

The adjustments shall apply to permanent and temporary hot-mix asphalt (HMA) mixtures, bituminous surface treatments (cover and seal coats), and preventative maintenance type surface treatments that are part of the original proposed construction, or added as extra work and paid for by agreed unit prices. The adjustments shall not apply to bituminous prime coats, tack coats, crack filling/sealing, joint filling/sealing, or extra work paid for at a lump sum price or by force account.

Revised February 28, 2024

SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID

Description: This work shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions, and Section 602 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. This work shall include all equipment, materials, labor, transportation, and workmanship to adjust sanitary manholes as shown on the plans.

This work shall be in accordance with the FRSA Standard Detail Sheet.

This work shall consist of removing existing manhole frames and lids, removing all brick/precast adjusting rings, and all other materials, furnishing and installing new adjusting rings as required, furnishing and installing exterior manhole adjustment seals and new frames and lids.

This work shall include all earth excavation, trench backfill and compaction, pavement removal and replacement as required, in accordance with all applicable IDOT provisions and specifications.

This work shall include adjusting manhole frames to finish grade. The frame and lid shall be set 1/4 inch min. to 3/8 inch max. below final grade in pavement and at final grade in turf areas. All proposed rim elevations shall be obtained from the roadway reconstruction plan and profile plan sheets or from the Resident Engineer.

This work shall include the removal of all existing adjustment (whether brick or concrete), and replacement with new adjusting rings. The combination of new adjusting rings shall be such that the minimum number of rings possible are used.

Allowable types of adjusting rings include precast concrete and expanded polypropylene (EPP). These can be used in conjunction with each other, except that a precast concrete ring shall not be placed over an EPP ring.

For precast concrete adjusting rings:

All adjusting ring joints, as well as the joint between the frame and adjustment ring, shall be sealed watertight by means of an all-weather rubber butyl sealant designed for the purpose of sealing concrete structures water-tight. The adjusting ring surface shall be dry and free of foreign material. The surface shall be dried and heated with a weed burner when outside temperatures are less than optimum for adhesion of the sealant to the concrete.

Frames in the roadway shall be pitched to match the slope of pavement. EPP taper rings are required when frames are pitched.

Added February 28, 2024

For expanded polypropylene (EPP) adjusting rings:

The use of EPP adjustment rings shall be according to Sections 602 and 1043 of the IDOT Standard Specifications, and Supplemental Specifications & Recurring Special Provisions, most recent edition. The EPP adjustment rings shall be installed according to the manufacturer's instructions. If the top surface of the manhole is not level, even, or is irregular, a non-shrink grout shall be placed to create a level surface and the first EPP ring shall be bedded and leveled in the non-shrink grout. The joints between the manhole, all adjustment rings, and the frame shall be sealed with the manufacturer's recommended/specified adhesive. The top ring shall be a 'finish ring' when pitching the frame is not necessary.

Frames in the roadway shall be pitched to match the slope of pavement. The top ring shall be a tapered 'adjustment' ring when pitching the frame is required. Shimming is not an acceptable method of pitching when using EPP rings. The upper most ring shall have grooves on the lower surface and a flat upper surface.

External adjustment seals are required, regardless of the type of adjustment rings used. Heat shrinkable adjustment seals shall not be used with EPP rings.

The maximum height of adjustment shall be 12 inches. The distance between the top of the frame to the first manhole step shall be no more than 30 inches. A maximum of one (1) 2 inch adjusting ring will be allowed.

The Contractor shall install an FRSA approved exterior adjustment seal on all manholes as shown on the FRSA Standard Detail sheet.

Materials:

1. Adjusting rings:
 - a. Precast concrete adjusting rings shall be standard reinforced concrete pipe pattern and shall conform to ASTM C478 and ASTM C139. There shall be no spalled edges or cracks. Precast concrete adjusting rings shall be size 4 inch height or greater.
 - b. Expanded polypropylene (EPP) rings shall be in accordance with Section 1043 of the IDOT Standard Specifications.
2. Adjusting ring sealant:
 - a. Precast concrete adjusting ring sealant shall be a flexible rubber butyl pre-formed sealant designed for the purpose of making concrete structure joints water-tight. Material shall conform to ASTM C990.
 - b. EPP ring sealant used for watertight installation of the EPP rings shall meet ASTM C 920, Type S, Grade NS, Class 25, Uses NT, T, M, G, A, and O.

Added February 28, 2024

3. Manhole exterior adjustment seals (chimney seals) shall be of a rubber compound in accordance with ASTM C-923 and shall have two stainless steel compression bands also in accordance with ASTM C-923.
4. Manhole frames & lids:
 - a. Manhole frames and lids shall be per the approved frames and lids in the table below:

Approved Frames & Lids				
	Neenah Frame	Neenah Lid	East Jordan Frame	East Jordan Lid
Regular	1670-2004	R-1670-0358	00111711	00111732
Low Profile	1670-2008	R-1670-0358	---	---
Bolt Down *	1915JT08		---	---

* For manholes connected to mains 18" diameter or larger, or for manholes located in flood prone areas, frames & lids shall be the bolt down type.

Manhole adjustment insert riser rings are not approved for use.

Required Submittals:

1. Manhole adjustment ring material specifications.
2. Manhole adjustment ring sealant material specifications.
3. Manhole exterior adjustment seal (chimney seal) material specifications.
4. Manhole frame and lid material specifications.

Basis of Payment: This work shall be paid for at the contract unit price per Each for **SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID.**

Added February 28, 2024