



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 23, 2023

SUBJECT: Route Des Plaines River Trail  
Section 17-00034-00-BT (Rosemont)  
Cook County  
Contract No. 61H78  
Item 080  
March 10, 2023 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 Sheets 8 – 12, 55, 57 & 58 of the Plans.**
- 2. Revised the Schedule of Prices.**
- 3. Revised the Table of Contents to the Special Provisions.**
- 4. Revised pages 95, 96, 116 & 131 of the Special Provisions.**

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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**CONCRETE FOUNDATION, 20" DIAMETER**

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**DESCRIPTION.** This foundation will be for structural support of a traffic signal post, or other pedestal mounted equipment. The foundation must be poured in place and must be 20" in diameter, with a 13" bolt circle, 3/4" diameter anchor rods, and must be 5 feet in depth.

**MATERIAL.** Concrete must be Portland cement concrete meeting the requirements of Article 1020 of the Standard Specifications for SI Class concrete. Anchor rods must meet the requirements of Material Specification 1467 and the ground rod must meet the requirements of Material Specification 1465. Conduit must be PVC meeting the requirements of Material Specification 1533.

**CONSTRUCTION.** Foundations must conform to Drawing Number 709. Top surface of these foundations will be at an elevation of two inches (2") above grade or as required by the Resident Engineer. Care must be taken to install a level foundation and to ensure adequate anchor rod projections for double-nut installation. The foundation top must be chamfered 3/4 of an inch. The foundation must be centered back from the face of the curb in accordance with dimensions shown on the construction plans. When the foundation is in a solid sidewalk area, the foundation must be installed level, with the height of the foundation as close to the height of the sidewalk as possible, or as directed by the Engineer. A proper expansion joint must be installed between the sidewalk and the foundation.

Foundation raceways must consist of large radius conduit elbow(s) in quantity, size and type specified on Drawing 709 or as indicated on the construction plans. Elbows, in excess of those shown on Drawing 709, will be paid for separately under an additional pay item. The elbow ends above ground must be capped with standard conduit bushings. The Contractor must furnish anchor rods, hardware, conduit elbow(s) and all other material shown on applicable foundation construction drawings. Depth of foundation will be as noted on Drawing 709.

The anchor rods will be set by means of a metal template which must be submitted for approval before any foundation work is begun. The template must hold the rods vertical, and in proper position.

All excavation and restoration of parkway will be considered as part of this item. If the foundation is in sidewalk, an expansion joint will be required between the sidewalk and the foundation.

**METHOD OF MEASUREMENT.** The measurement will be based on each foundation installed complete.





Des Plaines River Trail Segment 2 Reconstruction  
Forest Preserve District of Cook County  
Contract No. 61H78  
Section No. 17-00034-00-BT  
Cook County

**BASIS OF PAYMENT.** Payment will be made for foundations installed in place including an elbow in accordance with construction plans and these specifications. All necessary excavation and restoration of parkway, or sidewalk and expansion joint will be included in the unit price. This work will be paid for at the contract unit price per lineal foot, as designated in the contract, for CONCRETE FOUNDATION, 20" DIAMETER.

MATERIAL SPECIFICATION  
1465 1467 1533

DRAWING  
709 844 11825





**TRAFFIC SIGNAL POST, ALUMINUM 17 FT**

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**DESCRIPTION.** This item will consist of furnishing and installing an aluminum post, for supporting a traffic signal, upon a concrete foundation, at the location shown on the plans, as specified herein, or as directed by the Engineer. The post installation itself must be consistent in construction to the post shown on Drawing Number 526 for the installation of a post for a traffic signal.

**MATERIALS.** The material of the post must meet the requirements of Material Specification 1385 and of Standard Drawing Number 526.

**INSTALLATION.** The post and base must be mounted on the foundation so that the handhole faces away from the curb. The nuts on the foundation must be tightened to secure the post to the foundation such that there is no space separating the post from the foundation. There must be no double nutting. The post must be plumb; the use of shims will not be permitted. The post cap must be secured by three 5/16-18 X3/4" hex head stainless steel set screws.

The height of the post will be as indicated on the plans.

**METHOD OF MEASUREMENT.** This work will be measured per each unit installed on a foundation, complete with bolt covers, handhole door, base casting, aluminum pipe, and post cap.

**BASIS OF PAYMENT.** This work will be paid for at the contract unit price each for a TRAFFIC SIGNAL POST, ALUMINUM 17 FT. which will be payment in full for furnishing and installing the post complete in place.

MATERIAL SPECIFICATION  
1385

DRAWING  
526



2/17/2023

**WIDE AREA VIDEO DETECTION SYSTEM COMPLETE**

Revised: 5/27/2022  
Material Specifications: 1620  
Standard Drawings: none

**DESCRIPTION.** This work consists of furnishing, installing, integration and testing a set of environmentally hardened communications node equipment at a signalized intersection. The equipment shall collectively interface with the existing traffic signal controller, enable remote monitoring of the traffic and signal operations, and provide network connectivity.

**MATERIALS.** ~~Managed ethernet switches shall meet the requirements of Material Specification 1621. Cellular modems shall meet the requirements of Material Specification 1622. The hemispherical video detection camera system shall meet the requirements of Material Specification 1623.~~

**GENERAL REQUIREMENTS.** The intersection technology enhancements shall have video detection, web portal interface, and intersection communications node. The intersection communications node shall include multiple backhaul communications options including Ethernet over hardwired copper or fiber cabling and cellular communications backhaul. The node shall support full control of the intersection hardware including the remote management and control of the traffic signal controller.

Fiber backhaul requires coordination with the Chicago Office of Emergency Management and Communications (OEMC) to complete an end-to-end communications link between field device locations and the Chicago Traffic Management Center (TMC).

Cellular backhaul requires service coordination with the Chicago Department of Innovation and Technology (DoIT) to complete an end-to-end, broadband cellular communications link between field device locations and the Chicago TMC. The cellular modem may be a separate unit or integrated into the intersection communications node. In either case, the cellular modem, establishing cellular service in DoIT's name, installation, and coordination requirements shall be as required in the special provision for Cellular Modem.

The communications node shall be provided with all required components, including power supply, cables, mounting hardware, and all accessories required to make the system fully operational in accordance with these specifications. The camera shall be mounted at a height that allows full visibility of the intersection as required to achieve the performance requirements of this special provision. If additional cameras, mounting arms, or cabling are required to achieve the