



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 15, 2026

SUBJECT FAI Route 290 (I-290)
Project NHPP-51TI (593)
Section 2025-1076-I
Cook County
Contract No. 62Y28

Item No. 010, April 24th, 2026, 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 Schedule of Prices.
2. Revised page ii of the Table of Contents of the Special Provisions.
3. Added pages 153-159 to the Special Provisions.
4. Revised sheets 2-3, 5-8, 10, 12-13, 15-18, 20-27, 30, 32-34, 36-43, 45-54, 54a, and 60-65 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

MTS

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REMOVE EXISTING NETWORK SWITCH, SALVAGE

Description. This work shall consist of removing an existing network switch from a surveillance or ITS cabinet at the locations shown in the plans.

Prior to removal of the switch, all existing connections shall be documented with photos and a written description. This work shall include removal of existing cables.

Removed equipment shall remain the property of the State of Illinois. Upon removal of the existing equipment specified above, the Contractor shall deliver such equipment to the Illinois Department of Transportation. The delivery location will be as specified by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per Each for REMOVE EXISTING NETWORK SWITCH, SALVAGE.

NETWORK RACK

Description. This item shall consist of furnishing and installing a network equipment rack in the Traffic System Center building as described herein and as indicated in the Plans.

Materials. Equipment racks shall be a floor-standing, heavy-duty steel 4-post, black, and shall be provided with one 12-outlet power strip.

Installation. Equipment racks shall be installed at the location shown in the plans and as directed by the Engineer.

Basis of Payment. This item will be paid for at the contract unit price each for NETWORK RACK.

NETWORK SWITCH

Effective: November 1, 2023

Revised: April 1, 2026

Description. This item must consist of furnishing and installation of various network switches as shown in the plan. The network switches consist of Access, Distribution and Core Switch.

Materials. Materials must be according to the following:

A. General Requirements:

1. Management and Support Capabilities. Must include the following:
 - a. support full-duplex Ethernet
 - b. be capable Layer 2 LAN Base services
 - c. have American Standard Code for Information Interchange (ASCII) based configuration files for offline editing and bulk configuration
 - d. be managed using Simple Network Management Protocol (SNMP) Version 3.
 - e. be able to use Secure File Transfer Protocol (SFTP) to transfer configuration file to and from a central server.

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- f. be compliant with IEEE 802.1 and 802.3. Specifically, the switch must comply with the following IEEE 802.1 standards: (a) IEEE 802.1D - Media Access Control (MAC) Bridges, including Rapid Spanning Tree Protocol (RSTP). (b) IEEE 802.1Q - Virtual Local Area Network (VLAN) tagging and Multiple Spanning Tree Protocol (MSTP). (c) IEEE 802.1X (Port Based Network Access Protocol).
 - g. perform multicast filtering using Internet Group Management Protocol (IGMP) snooping.
 - h. support Address Resolution Protocol (ARP)
 - i. Need to have TACACS/RADIUS access via SSH
 - j. Need to support CDP protocol for neighbor reporting/discovery
 - k. Support for MAB security (ISE)
2. Power Requirements:
 - a. Input Voltage to Power Supply Modules: 100 to 240 VAC
 - b. Capable of using Redundant Power Supplies
 - c. Must use Manufacturer approved power supply.
3. Must utilize Single Mode Fiber Small Form-Factor Plug (SFP) Modules that have the following:
 - a. Minimum performance of 1Gbps
 - b. From the manufacturer of the switch.
 - c. See plans for distance, type and quantity requirements
4. All ports must have Diagnostic light-emitting diodes (LED). These indicators must include link, activity, and power LEDs.
5. Must include a 1-year hardware support agreement and license (contract type SNT)

B. Additional Requirements for Distribution and Core Switches:

1. Switches must support the following Layer 3 capabilities:
 - a. Support of Enhanced Interior Gateway Routing Protocol (EIGRP).
 - b. Support of Border Gateway Protocol (BGP).
 - c. Internet Protocol Version 4 (IPv4);
 - d. Internet Protocol Version 6 (IPv6);
 - e. Open Shortest Path First (OSPF);
 - f. Generic Routing Encapsulation (GRE);
 - g. Inter-VLAN Internet Protocol (IP) routing for full Layer 3 routing between two or more VLANs;
 - h. Virtual Router Redundancy Protocol (VRRP);
 - i. IP multicast routing utilizing Protocol Independent Multicast (PIM) and Internet Group Management Protocol, Version 2 (IGMPv2).
 - j. Support for PIM sparse mode (PIM-SM) and PIM dense mode (PIM-DM);
 - k. Security utilizing Access Control Lists (ACLs).

C. Switch Types:

1. Access Switch:

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- a. Must include:
 1. **General Requirements.**
 2. the following port types or better:
 - 10/100/1000 Mbps copper Ethernet ports, RJ-45 connector
 - FE/GE SFP ports
 - b. Environmental Requirements:
 1. Operating Temperature: -34° to +70°C
 2. Humidity: 0 to 95% (non-condensing)
 3. IEC/EN/EN61000-4-2 (Electro Static Discharge), 8kV air/6kV contact
 4. IEC/EN 61000-4-3 (Radiated Immunity, 10 V/m 80-2000MHz, 3V/m 2000-2700MHz)
 5. IEC/EN 61000-4-4 (Fast Transients - 2kV DC power, 2kV data line, 4kv earth)
 6. IEC/EN 61000-4-5 (Surge 2 kV/1 kV DC power, 2 kV shielded and unshielded data line)
 7. IEC/EN 61000-4-6 (Conducted Immunity, 10 V/emf 0.15-80MHz)
 8. IEC/EN 61000-4-8 (Power Frequency Magnetic Field Immunity 30A/m 60 sec, 300A/m 3 sec)
 9. IEC/EN 61000-4-9 (Pulse Magnetic Field Immunity 300A/m)
 10. IEC/EN 61000-4-29 (Voltage Dips Immunity)
 11. IEC 60068-2-27 (Operational Shock: 30G 11ms, half sine)
 12. IEC 60068-2-27 (Non-Operational Shock 65-80G, trapezoidal)
 13. IEC 60068-2-6, IEC 60068-2-64 (Operational Vibration)
 14. EC 60068-2-6, IEC 60068-2-64, IEC 60068-2-47 (Non-operational Vibration)
2. Distribution Switch:
- a. Must include:
 1. **General Requirements.**
 2. **Additional Requirements for Distribution and Core Switches**
 3. The following port types or better:
 - 10/100/1000 Mbps copper Ethernet ports, RJ-45 connector
 - FE/GE SFP ports
 - b. Environmental Requirements:
 1. Operating Temperature: -40° to +75°C
 2. Operate in a cabinet enclosure
 3. Humidity: 5 to 95% (non-condensing)
 4. CISPR 24 / CISPR 35
 5. EN55024 / EN55035
 6. KN 35
 7. EN 61000-4-2 Electro Static Discharge (air – 15kV, contact – 8kV)
 8. EN 61000-4-3 Radiated RF (10V/m UTP, 20V/m STP)
 9. EN 61000-4-4 Electromagnetic Fast Transients (4kV)
 10. EN 61000-4-5 Surge (2KV/1KV Power, 4KV STP)
 11. EN 61000-4-6 Conducted RF (10Vrms UTP)
 12. EN 61000-4-8 Power Frequency Magnetic Field (1000A/m)

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13. EN 61000-4-10 Damped Oscillatory Magnetic Field (100 A/m)
14. EN 61000-4-16 Conducted CM Disturbances (30V, Cont/ 300V, 1 sec)
15. EN 61000-4-17 Ripple Immunity DC Power (10%)
16. EN 61000-4-18 Damped Oscillatory Wave (2.5kV, 1MHz)
17. EN-61000-4-29 DC Voltage Dips and Interruptions
18. ANSI/ISA 12.12.01 (Class1, Div2 A-D)
19. EN 60079-0, -15 ATEX certificate (Class 1, Zone2 A-D)
20. EC 60079-0, 15 (report only)
21. UL 60079-0, 15
22. IEC 60068-2-27 (operational shock, 50G, 3ms, half sine)
23. IEC 60068-2-27 (non-operational shock, 65-80G, 9ms, trapezoidal)
24. IEC 60068-2-6 (vibration-sinusoidal, 5Hz-150Hz)

3. Core Switch:

- a. Must include:
1. **General Requirements.**
 2. **Additional Requirements for Distribution and Core Switches**
 3. Network Port Requirements:
 - 48x 1/10/25G Gigabit Ethernet SFP ports
 - 4x 40/100G Uplink
 - Or better
- b. Environmental requirements:
1. Operating Temperature: -5°C to +35°C (23° to 95° F)
 2. Relative humidity operating: 10 to 85% (noncondensing)
 3. Must be installed in a temperature-controlled environment.

Configuration. Thirty days prior to the installation of the network switches, The Contractor must deliver the switches, for configuration, to the Traffic Systems Center (TSC) located at 445 Harrison St Oak Park, IL.

The switches must be delivered with markings on the box indicating the cabinet the item will be installed in per the plans. TSC will provide final network label on the switch.

After the switch is configured, the Contractor must coordinate an appointment to pick up the switches from the TSC and install it.

Installation. Access and Distribution Switches are to be installed in cabinets identified in the plans. Core Switches are only to be installed in temperature-controlled environments identified in the plans.

Documentation. In addition to the initial submittal(s) prior to procurement, the Contractor must provide installation and operation manuals, documentation of exact equipment model and serial numbers, software/firmware version numbers, location installed in PDF formats on flash drive or via electronic delivery.

Basis of Payment. This work will be paid for at the contract price per EACH for NETWORK SWITCH, (of the type specified), the price of which shall include all equipment, materials, and labor required to furnish, and install the switch, including all necessary connectors, cables, fiber

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optic jumpers, hardware, software and other peripheral equipment required to place the switch in operation to the satisfaction of the Engineer.

FIBER OPTIC INTERCONNECT CENTER, 48 PORT

Description. This work shall consist of the installation of a new FOIC rack mounted interconnect center at the locations shown in the plans and as directed by the Engineer. When indicated on the plans, this work shall include the removal of an existing interconnect center.

General. This pay item shall include providing and installing a Corning CCH-04U (48 Port) or approved equivalent. The connector panels shall be populated with ST connectors.

The existing FOIC shall be removed and disposed of. The existing terminations shall remain intact if ST or replaced with ST if not, and any active connections shall be restored. New fiber jumpers shall be provided as part of this pay item if required.

All bulkhead connectors / adapters shall be labeled with the fiber numbers and direction (i.e. 13-14N, 1-2W, etc.) with a laminated machine printed label.

Basis of Payment. This work shall be paid for at the contract unit price per EACH for FIBER OPTIC INTERCONNECT CENTER, 48 PORT. The unit price shall include all equipment; materials; fiber optic splice trays; testing and documentation; and labor required to fusion splice single mode fiber optic cable.

CLEARING AND GRUBBING

Description. This work shall consist of clearing and grubbing within the right-of-way or within the limits of construction in accordance with Section 201 of the Standard Specifications and the following.

The Contractor is advised that it is the intent of the provision that each parcel within the limits of this Contract right-of-way, and as specified in the contract plans, be clear of all fences, wall, foundations, buildings, accumulations of rubbish of whatever nature and existing structures, the removal of which is not otherwise provided for in Article 501.07 of the Standard Specifications; all logs, shrubs, bushes, saplings, grass, weeds, other vegetation and stumps of a diameter less than 6in. both prior to start of earthwork, and also at the conclusion of construction activities, such that the property can be site graded, seeded, and present a neat and clean appearance on completion of this project in accordance with applicable portions of Section 201 and the requirements of this Special Provision.

Construction Requirements. The Contractor will be required to remove and dispose of materials outlined herein to the satisfaction and approval of the Engineer.

The removal of these items specified herein does not include the removal of items already measured and paid for individually per the Contract Plan Summary of Quantities and/ or per the Special Provisions.

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The Contractor is advised to inspect the various items and quantities of clearing required on the parcels involved prior to bidding. Any items identified, or quantities depicted on the contract plans for removal under CLEARING AND GRUBBING is for Contractor information only. No additional compensation will be allowed for variations in removal items required to complete the CLEARING AND GRUBBING as specified in this Special Provision for the subject parcels.

Unless specifically called out in the plans, existing utilities which are still located in the ground, including (but not limited to) power poles, light poles, utility structures, fire hydrants, water main, and sewers, shall not be included in the removal items for CLEARING AND GRUBBING. The Contractor shall note any such existing utilities which conflict with items to be cleared, and request direction from the Engineer prior to clearing at these locations. Any damage to existing utilities by the Contractor shall be repaired by the Contractor at his own expense to the satisfaction of the Engineer.

The Contractor shall use caution when removing items which will cause displacement of underlying and adjacent soils. For removal operations which will cause displacement of soil, the Contractor shall use a method approved by the Engineer to minimize disturbance of the soil beneath and adjacent to the clearing items.

Materials resulting from the clearing operations as herein specified shall be disposed of according to Article 202.03 at no additional cost to the contract.

Removal of the clearing items as herein specified, and incidental site grading as directed by the Engineer, will not be paid for separately, but considered as included in the contract unit price per Square Yard for CLEARING AND GRUBBING.

The Contractor is advised that existing soil within the project limits may be considered contaminated. The Department recommends that contractor accounts for this CLEARING AND GRUBBING in the SPECIAL WASTE PLANS AND REPORTS. In instances where the CLEARING AND GRUBBING areas overlap with known NON-SPECIAL WASTE DISPOSAL areas, any earthwork shall be governed by the NON-SPECIAL WASTE requirements.

Method of Measurement. The removal and clearing items for CLEARING AND GRUBBING shall be measured for payment in feet of length and width and the area computed in Square Yard for clearing of the locations as shown in the contract plans or as directed by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per Square Yard for CLEARING AND GRUBBING.



REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (PROJECT SPECIFIC)

Description. This work shall consist of the removal and disposal of regulated substances according to Section 669 of the Standard Specifications as revised below.

Contract Specific Sites. The excavated soil and groundwater within the areas listed below shall be managed as either “uncontaminated soil”, hazardous waste, special waste or non-special waste. For stationing, the lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit, whichever is less.

Soil Disposal Analysis. When the waste material requires sampling for landfill disposal acceptance, the Contractor shall secure a written list of the specific analytical parameters and analytical methods required by the landfill. The Contractor shall collect and analyze the required number of samples for the parameters required by the landfill using the appropriate analytical procedures. A copy of the required parameters and analytical methods (from landfill email or on landfill letterhead) shall be provided as Attachment 4A of the BDE 2733 (Regulated Substances Final Construction Report). The price shall include all sampling materials and effort necessary for collection and management of the samples, including transportation of samples from the job site to the laboratory. The Contractor shall be responsible for determining the specific disposal facilities to be utilized; and collect and analyze any samples required for disposal facility acceptance using a NELAP certified analytical laboratory registered with the State of Illinois.

I-290 from the Intersection of I-294 to the Intersection of S. Morgan Street, Various Municipalities, Cook County

- All excavation planned for temporary wood pole ITS improvements along both sides of I-290 from the intersection of I-294 to the Intersection of S. Morgan Street, including the frontage roads, connecting ramps, and adjacent streets Jackson Boulevard, N. Frontage Road, Harrison Street, S. 25th Avenue, Bataan Drive, Des Plaines Avenue, Lehmer Street, Flournoy Street, W. Congress Parkway and Van Buren Street. The Engineer has determined this material meets the criteria of and shall be managed in accordance with Article 669.05(a)(5). Potential contaminants of concern sampling parameters: VOCs, SVOCs and Metals.

Work Zones

Three distinct OSHA HAZWOPER work zones (exclusion, decontamination, and support) shall apply to projects adjacent to or within sites with documented leaking underground storage tank (LUST) incidents, or sites under management in accordance with the requirements of the Site Remediation Program (SRP), Resource Conservation and Recovery Act (RCRA), or Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), or as deemed necessary. For this project, the work zones apply for the following ISGS PESA Sites: **None.**