Illinois Department of Transportation
Office of Intermodal Project Implementation / Division of Aeronautics
1 Langhorne Bond Drive / Springfield, Illinois 62707-8415

April 16, 2026

SUBJECT: Carmi Municipal Airport
Carmi, Illinois
White County
Illinois Project Number: CUL-5214
SBG Project Number: 3-17-SBGP-TBD
Contract No. CR008
Item No. 02A, April 24, 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.

Reason for Addendum:
Clarify language in the Special Provisions regarding Item AR107712 L-807 Wind Cone – 12' Lighted

To All Plan Holders:
The L-807 wind cone assembly under Item AR107712 is to be provided by the Owner and constructed and made operational by the Contractor. The Contractor will furnish all materials necessary for foundations, splice box, disconnect switch, conduit and wire to install the Owner furnished wind cone and make operational.

Special Provisions Changes:
The Special Provisions pages 22-28 under Item 107 Airport Wind Cones should be replaced with the attached revision.

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

Questions on this addendum may be directed to Eric Boe, P.E. of Brown & Roberts, Inc. at (618) 252-8111.

ITEM 107 AIRPORT WIND CONES

DESCRIPTION

107-1.1. Revise this section to read as follows:

"Item 107 L-807 Wind Cone – 12' Lighted shall consist of ~~furnishing and~~ installing a 12-ft lighted wind cone with obstruction light at the location shown on the Plans, and in accordance with the details and notes on the Plans and these Special Provisions. The work shall include the ~~furnishing and~~ installation of a support for mounting the wind cone and a concrete foundation. This item shall include wind cone manufacturer's cable, connections, splice cans, series circuit transformer where required, conduit and conduit fittings, lamps, ground rod and ground connection, and all associated equipment, materials, labor, tools, testing, and all incidentals necessary to place each wind cone in operation as a completed unit to the satisfaction of the Engineer. Per FAA AC No. 150/5340-30J "Design and Installation Details for Airport Visual Aids" Part 6.6 Wind Cones, Paragraph b, a primary wind cone is needed at any airport without a 24-hour ATCT (Air Traffic Control Tower). Airport Certification Information Bulletin Number 08-10 and FAA AC 150/5370-10H Standards for Specifying Construction of Airports both state the following:

"*The illuminated wind cone must present a constant brightness to the pilot. As a result, the source of power for the wind cone circuit must be identified. Where a constant voltage is available, the wind cone may be connected directly to the constant voltage circuit. Where the series lighting circuit is used as a power source to the wind cone, a power adapter that converts current to constant voltage must be specified. An additional requirement for the power adapter is the output voltage must remain constant regardless of the input current. The manufacturer of the power adapter must be consulted to verify the additional load imposed on the series circuit by the power adapter.*

The engineer should specify the wind cone and power adapter combination recommended by the manufacturer when the power source for the wind cone circuit will be the constant current series lighting circuit."

Add the following:

107-1.2 REFERENCES

A. ANSI C80.1 – Rigid Steel Conduit, Zinc Coated.

B. ANSI C80.4 – Fittings Rigid Metal Conduit and EMT.

C. FAA AC No. 150/5340-30J "DESIGN AND INSTALLATION DETAILS FOR AIRPORT VISUAL AIDS".

D. FAA AC No. 150/5345-27F "SPECIFICATION FOR WIND CONE ASSEMBLIES".

E. FAA AC No. 150/5345-43J "SPECIFICATION FOR OBSTRUCTION LIGHTING EQUIPMENT".

F. FAA AC No. 150/5345-53D "AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM" (most current issue) and AC150/5345-53D, AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM Appendix 3 Addendum.

G. FAA AC No. 150/5370-2G (or most current issue) "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

H. NFPA 70 – National Electrical Code (most current issue in force).

I. NFPA 70E – Standard for Electrical Safety in the Workplace

J. OSHA 29 CFR Part 1910 Occupational Safety and Health Standards for electrical safety and lockout/tagout procedures

K. UL Standard 6 – Rigid Metal Conduit.

L. UL Standard 514B – Conduit, Tubing and Cable Fittings.

107-1.3 SHOP DRAWINGS.

The Contractor shall furnish shop drawings for approval before ordering equipment and/or materials. Shop drawings are required for materials to be used on the project. **Shop drawings shall be clear and legible. Copies that are illegible will be rejected.** Contractor shall submit sufficient copies of shop drawings to meet the needs of his personnel, sub-contractor personnel, and equipment suppliers plus 4 copies to be retained by the Project Engineer. Shop drawings shall include the following information:

A. Certification of compliance with the AIP (Airport Improvement Program) Buy American Preferences for all materials and equipment. Do not submit ARRA (American Recovery and Reinvestment Act) certification as a substitute for certification of compliance with the AIP Buy American Preferences. Shop drawings submitted without certification of compliance with the Airport Improvement Program Buy American Preferences or without certification of manufacture in the United States of America in accordance with the AIP Buy American Requirements will be rejected. See the FAA website at: http://www.faa.gov/airports/aip/buy_american/ for more information on the AIP Buy American Preferences requirements. FAA approved equipment that is on the FAA Buy American Conformance List or the list of Nationwide Buy American Waivers Issued by the FAA complies with the AIP Buy American Preferences and will not require additional waiver paperwork for AIP projects. See the FAA website at: http://www.faa.gov/airports/aip/buy_american for a list of Nationwide Buy American Waivers Issued by the FAA.

B. In order to expedite the shop drawing review, inspection and/or testing of materials and equipment, the Contractor shall furnish complete statements to the Project Engineer as to the origin and manufacturer of all materials and equipment to be used in the work. Such statements shall be furnished promptly after execution of the contract but, in all cases, prior to delivery of such materials and equipment.

C. Cut sheets with part number and specifications for each wind cone.

D. Concrete mix design.

E. Provide cut sheets with manufacturer's name, catalog number, dimensions, material and UL listing for each type and size ground rod. Include certification of 100% domestic steel for ground rods.

F. Provide cut sheets for all types of conduit used with the wind cones (for example galvanized rigid steel conduit). Include certification that steel conduits are made with 100 percent domestic steel.

EQUIPMENT AND MATERIALS

107-2.2 WIND CONES. Revise this section to read as follows:

"L-807 wind cone and assemblies shall be manufactured to Federal Aviation Administration (FAA) Specification AC 150/5345-27F (or current edition in force) and shall be FAA-approved (ETL-Certified). Wind cone shall be a Type L-807, Style I-B (internally lighted), Size 2 – (36-in. diameter by 12-ft long for use with L-807 assemblies). Color of wind sock shall be orange. Wind cone shall be mounted on a 16-ft center hinged steel pole complying with the requirements of FAA AC 150/5345-27F. Pole shall include a positive locking anti-slip brake winch for ease of lowering the basket, changing the windsock, and changing the lamps. Wind cone shall be equipped with an FAA approved L-810 obstruction light on the top of the mast. Contractor shall confirm part number and special options with the respective manufacturer for compliance with these Special Provisions. Include sufficient slack cable with the wind cone to allow connection to the respective cabling. Include manufacturer's specified anchor bolts." The L-807 wind cone will be furnished by the Owner for installation by the Contractor. The Contractor shall be responsible for complete and proper installation of the wind cone, including foundations.

107-2.3 ELECTRICAL WIRE AND CABLE. Revise this section to read as follows:

"Cable and wiring associated with the wind cone installations shall be as detailed on the Plans, as specified herein, and shall also comply with Item 108. Cable in unit duct from the point of connection to the respective power source to the point of connection to the respective wind cone installation is not included with this item and shall be paid for separately under Item 108."

107-2.4 CONDUIT. Revise this section as follows:

"Rigid Steel Conduit and fittings shall be hot-dipped, galvanized, UL-listed, and produced in accordance with UL Standard 6 – Rigid Metal Conduit and ANSI C80.1 – Rigid Steel Conduit, Zinc Coated. Couplings, connectors, and fittings for rigid steel conduit shall be threaded, galvanized steel or galvanized, malleable iron, specifically designed and manufactured for the purpose. Fittings shall conform to ANSI C80.4 – Fittings Rigid Metal Conduit and EMT and UL 514B – Conduit, Tubing, and Cable Fittings. Set screw type fittings are not acceptable. Steel used to manufacture conduits shall be 100 percent domestic steel. Contractor shall provide certification that the respective steel conduits used on this project are manufactured from 100 percent domestic steel. Conduit for grounding electrode conductors shall be Schedule 40 PVC conduit, and shall comply with Item 110 and the following: Conduit shall be Schedule 40 PVC, 90□C, UL-rated, or approved equal. Material shall comply with NEMA Specification TC-2 (Conduit), (Fittings UL-514), and UL-651 (Standard for rigid, non-metallic conduit)."

107-2.6 CONCRETE. Add the following to this section:

"Foundation for the L-807 wind cone shall be 24 in. diameter by 84 in. deep (minimum) or as indicated in the Plans. Coordinate the installation of a 2-inch, galvanized, rigid steel conduit (GRSC)/elbow into the foundation for the power wiring. Coordinate the installation of a 3/4-inch Schedule 40 PVC conduit/elbow into the foundation for the grounding electrode conductor. Include reinforcing steel, as detailed on the Plans. Steel used to manufacture rebar shall be 100 percent domestic steel."

Add the following:

107-2.8 GROUND RODS. Ground rods shall be 3/4-in. diameter, 8 ft long, UL-listed, Copper clad with 10-mil. minimum Copper coating. Steel used to manufacture ground rods shall be 100 percent domestic steel.

CONSTRUCTION METHODS

107-3.1 INSTALLATION. Add the following to this section:

"The support pole shall be installed on a concrete foundation, as detailed on the Plans. The Contractor shall furnish and install all electrical materials necessary for complete and operational installation of each wind cone, as detailed herein and in accordance with the manufacturer's instructions. The complete installation and wiring shall be done in a neat, workmanlike manner. All electrical work shall comply with the requirements of NFPA 70 - National Electrical Code (NEC), most current issue in force. Wind cones shall be installed in conformance with the respective manufacturer's directions and recommendations for the respective application. Any installations which void the UL listing, ETL listing (or other third-party listing), and/or the manufacturer's warranty of a device will not be permitted.

The Contractor shall keep a copy of the latest NEC in force on site at all times during construction for use as a reference.

The Contractor should examine the proposed site to evaluate the complexity of the work.

Contractor shall coordinate work and any power outages to airfield lighting systems, buildings or facilities located on the Airport with the Airport Manager. Where FAA facilities are affected, the Contractor shall coordinate work and any power outages with the Airport Manager and the respective FAA personnel. Any shutdown of existing systems shall be scheduled with and approved by the Airport Manager prior to shut down. Once shut down, the circuits shall be labeled as such to prevent accidental energizing of the respective circuits. All personnel shall follow OSHA 29 CFR Part 1910 Occupational Safety and Health Standards for electrical safety and lockout/tagout procedures, including, but not limited to, 29 CFR Section 1910.147 The Control of Hazardous Energy (lockout/tagout).

Contractor shall comply with the requirements of FAA AC No. 150/5370-2G (or most current issue) "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".

Contractor shall comply with the applicable requirements of NFPA 70E – Standard for Electrical Safety in the Workplace.

The Contractor shall be responsible for furnishing and setting all anchor bolts required to install his equipment.

Where concrete mounting pads, foundations, or piers are required for equipment mounting, the Contractor shall furnish all concreting and form work necessary to complete the installation. Concrete shall conform to Item 610 Structural Portland Cement Concrete of the Standard Specifications for Construction of Airports", adopted April 1, 2012.

107-3.3 ELECTRICAL CONNECTION. Add the following to this section:

"Splices in conductors will be allowed only within junction boxes, splice cans, or electrical handholes. Circuit conductors for power wiring shall be continuous from source of power to connected device, unless otherwise approved by the Resident Engineer/Resident Project Representative. Spliced connections of the wind cone conductors to the cable in unit duct feeder conductors shall be installed at the above ground junction box.

107-3.5 GROUND CONNECTION AND GROUND ROD. Revise this section as follows:

"The Contractor shall furnish and install a ground rod, grounding electrode conductor cable, ground clamps/connectors, and exothermic weld connections for grounding the wind cone pole support near the base. The ground rod shall be 3/4- in. diameter by 8 ft long, UL-listed, Copper-clad with 10-mil. minimum Copper coating. The ground rod shall be driven into the ground adjacent to the concrete foundation so that the top of the rod is at least 12-in. below grade. Buried or concealed ground systems shall be observed by the Resident Engineer/Resident Project Representative before backfilling or covering.

The grounding electrode conductor shall consist of No. 4 AWG bare stranded Copper wire or larger. All connections to ground rods and/or buried grounding electrode conductors shall be made with exothermic weld-type connectors, Cadweld by Erico Products, Inc., Solon, Ohio, (Phone: 800-248-9353), Thermoweld by Continental Industries, Inc., Tulsa, Oklahoma (Phone: 918-663-1440) or Ultraweld by Harger, Grayslake, Illinois (Phone: 800-842-7437), or approved equal. Exothermic weld connections shall be installed in conformance with the respective manufacturer's directions using molds as required for each respective application. Bolted connections will not be permitted at ground rods. The other end of the grounding electrode conductor shall be securely attached to the base of the wind cone pipe support with a UL-listed grounding connector or pipe clamp suitable for the respective application. Metallic surfaces to be joined shall be prepared by the removal of all non-conductive material (including paint) per 2011 NEC, Article 250-12. All bolted or mechanical connections shall be coated with a corrosion preventative compound before joining, Sanchem Inc. "NO-OX-ID "A-Special" compound, Burndy Penetrox E, or equal. Coordinate the installation of a 3/4-in. Schedule 40 PVC conduit into the wind cone foundation to accommodate the grounding electrode conductor. The resistance to ground shall not exceed 25 Ohms. Contractor shall test the made electrode ground rod installation with an instrument specifically designed for testing ground field systems. If ground resistance exceeds 25 Ohms, contact the Project Engineer for further direction. Copies of ground rod test results shall be furnished to the Resident Engineer/Resident Project Representative."

107-3.6 PAINTING. Add the following to this section:

"The pole, and any support structure and the exposed, non-stainless components of the wind cone shall be **factory painted – aviation orange**."

107-3.7 LIGHT SOURCES. Revise this section as follows:

"The Contractor shall furnish and install all lamps required as per manufacturer's recommendation."

107-3.8 CHAIN AND PADLOCK. Delete this section.

Add the following:

107-3.10 INSTRUCTION OF AIRPORT STAFF. The Contractor shall provide instruction to airport staff in regard to the operation and maintenance of the wind cones and associated equipment. Contractor shall demonstrate operating procedures, lamp changing procedures, and items requiring maintenance. Contractor shall furnish operation and maintenance manuals for wind cones and associated equipment.

BASIS OF PAYMENT

107-5.1. Revise this section to read as follows:

“Payment will be made at the contract unit price per each unit installed and accepted by the Engineer. This price shall be full compensation for furnishing all materials, preparation, assembly, and installation of these materials; and for all labor, equipment, tools, and incidentals necessary to complete this Item. The quantity of cable in unit duct from the respective power source, to the respective wind cone shall be paid for separately under Item 108.

Payment will be made under:

Item AR107712 L-807 Wind Cone - 12’ Lighted - per each.

END OF ITEM 107