



## **ADDENDUM NO. 2**

**PROJECT TITLE:** GA Apron and Taxiway C

**DATE:** June 3, 2025

This addendum shall be included in, and be considered a part of the plans and specification for the above named project.

Addendum No. 2 is issued to notify you of the revisions and/or corrections to the following items that were posted on the City of Coolidge website (coolidgeaz.com/bidpackage).

### **BEGIN ADDENDUM NO. 2**

Prospective bidders and interested parties are hereby directed to make the following changes to the plans and specifications for the above referenced project. This addendum shall be affixed to the contract documents and the signature of the receiving party shall be placed on page 'B – 1' of the specifications.

#### **I. SPECS DIVISION I – Bid Proposal**

Remove Pages B-1 through B-37 and replaced with attached “*Specifications Division I – Bid Proposal\_Addendum 01.pdf*” including the following updates:

**a. Bid Proposal, page B-6, Bid Schedule:**

Updated Project Quantities description for Item 26 in Alternate 2 from

“*New 4 Module Size 1 LED Airfield Sign with Concrete Base*”

to

“*New 3 Module Size 1 LED Airfield Sign with Concrete Base*”

**b. Bid Proposal, page B-7, Bid Schedule:**

Updated Project Quantities description for Item 11 in Alternate 2 from

“*NEW L-861T Elevated Taxiway Edge Light Installed on L-867 Base Can with Base Can Extension including Isolation Transformer, stem, plate and splice kit (price differential from Taxiway Edge Lights specified per Base Bid and Alternate 1)*”

to

“*NEW 3” L-861T Base Can Extension, Including Hardware Installed (Not FAA AIP Eligible)*”

#### **II. SPECS DIVISION V – Technical Specifications**

The following FAA technical specifications have been updated and should replace the original specification in it's entirety.

- a. L-125 Installation of Airport Lighting Systems



Coolidge Municipal Airport  
GA Apron and Taxiway C  
FAA AIP 3-04-0011-018-2025 (Design)  
FAA IJA 3-04-0011-019-2025 (Design)  
Project No. AIP-01-2024  
Addendum No. 2

### III. PLAN SHEETS:

**Remove** the following plan sheets and **Replace** with the attached sheets:

| Sheet Number | Title Description     | Narrative                                       |
|--------------|-----------------------|---|
| C1.3         | Summary of Quantities | Updated project quantities for item 11 in Alt 2 |

End Addendum No. 2



# **ATTACHMENT I**

## **SPECS DIVISION I - BID PROPOSAL**



**CONTRACTOR NAME:** \_\_\_\_\_

**BID SCHEDULE – ALTERNATIVE 1 (CONTINUED)**

| Alternative 1 Bid |               |  |          |      | Unit  |        |
|-------------------|---------------|--|----------|------|-------|--------|
| Item              | Specification |  |          |      |       |        |
| No.               | Number        | Bid Item Description   | Quantity | Unit | Price | Amount |
| 23                | L-115-5.1     | Concrete H-20 Load Rated Electrical Handhole   | 1        | EA   |       |        |
| 24                | L-125-5.1     | NEW L-861T Elevated Taxiway Edge Light Installed on L-867 Base Can including Isolation Transformer, stem, plate and splice kit | 18       | EA   |       |        |
| 25                | L-125-5.3     | New 2 Module Size 1 LED Airfield Sign with Concrete Base   | 1        | EA   |       |        |
| 26                | L-125-5.5     | New 3 Module Size 1 LED Airfield Sign with Concrete Base   | 1        | EA   |       |        |

**TOTAL ALTERNATIVE 1 BID AMOUNT  
(IN NUMBERS)**

**\$** \_\_\_\_\_

**TOTAL ALTERNATIVE 1 BID AMOUNT  
(IN WORDS):**



**CONTRACTOR NAME:** \_\_\_\_\_

## BID SCHEDULE

| Alternative 2 Bid |                      |  |          |      | Unit  |        |
|-------------------|----------------------|--|----------|------|-------|--------|
| Item No.          | Specification Number | Bid Item Description   | Quantity | Unit |       |        |
| 1                 | C-100                | Contractor Quality Control   | 1        | LS   | Price | Amount |
| 2                 | C-102-5.1            | Storm Water Pollution Prevention   | 1        | LS   |       |        |
| 3                 | C-105                | Mobilization/Demobilization (Maximum of 5%)  | 1        | LS   |       |        |
| 4                 | SP-60.1              | Airside Safety and Security / Traffic Control  | 1        | LS   |       |        |
| 5                 | P-152-4.1            | Unclassified Excavation  | 470      | CY   |       |        |
| 6                 | P-152-4.2            | Fill with Select Material  | 40       | CY   |       |        |
| 7                 | P-152-5.1            | Compacted Subgrade (10 In. Depth)  | 3,060    | SY   |       |        |
| 8                 | MAG 702-4.1          | Crushed Aggregate Base Course (6") (Not FAA AIP Eligible)                              | 510      | CY   |       |        |
| 9                 | MAG 710-5.1          | Asphalt Concrete (4") (Not FAA AIP Eligible)   | 510      | TONS |       |        |
| 10                | P-620.1              | Reflective Yellow Taxiway Pavement Markings, Waterborne                                | 1,740    | SF   |       |        |
| 11                | L-125-5.6            | NEW 3" L-861T Base Can Extension, Including Hardware Installed (Not FAA AIP Eligible)" | 48       | EA   |       |        |

**TOTAL ALTERNATIVE 2 BID AMOUNT  
(IN NUMBERS)**

\$ \_\_\_\_\_

**TOTAL ALTERNATIVE 2 BID AMOUNT  
(IN WORDS):**

**ATTACHMENT II  
SPECS DIVISION V -  
TECHNICAL SPECIFICATIONS**

**L-125 INSTALLATION OF  
AIRPORT LIGHTING SYSTEMS**



## **ITEM L-125 INSTALLATION OF AIRPORT LIGHTING SYSTEMS**

### **DESCRIPTION**

**125-1.1** This item shall consist of airport lighting systems furnished and installed in accordance with this specification, the referenced specifications, and the applicable advisory circulars (ACs). The systems shall be installed at the locations and in accordance with the dimensions, design, and details shown in the plans. This item shall include the furnishing of all equipment, materials, services, and incidentals necessary to place the systems in operation as completed units to the satisfaction of the RPR.

### **EQUIPMENT AND MATERIALS**

#### **125-2.1 General.**

**a.** Airport lighting equipment and materials covered by Federal Aviation Administration (FAA) specifications shall be certified under the Airport Lighting Equipment Certification Program in accordance with AC 150/5345-53, current version. FAA certified airfield lighting shall be compatible with each other to perform in compliance with FAA criteria and the intended operation. If the Contractor provides equipment that does not perform as intended because of incompatibility with the system, the Contractor assumes all costs to correct the system for to operate properly.

**b.** Manufacturer's certifications shall not relieve the Contractor of their responsibility to provide materials in accordance with these specifications and acceptable to the RPR. Materials supplied and/or installed that do not comply with these specifications shall be removed, when directed by the RPR and replaced with materials, which do comply with these specifications, at the sole cost of the Contractor.

**c.** All materials and equipment used shall be submitted to the RPR for approval prior to ordering the equipment. Submittals consisting of marked catalog sheets or shop drawings shall be provided. Clearly mark each copy to identify pertinent products or models applicable to this project. Indicate all optional equipment and delete non-pertinent data. Submittals for components of electrical equipment and systems shall identify the equipment for which they apply on each submittal sheet. Markings shall be clearly made with arrows or circles (highlighting is not acceptable). The Contractor shall be responsible for delays in the project accruing directly or indirectly from late submissions or resubmissions of submittals.

**d.** The data submitted shall be sufficient, in the opinion of the RPR, to determine compliance with the plans and specifications. The Contractor's submittals shall be submitted in electronic PDF format. The RPR reserves the right to reject any or all equipment, materials or procedures, which, in the RPR's opinion, does not meet the system design and the standards and codes, specified herein.

**e.** All equipment and materials furnished and installed under this section shall be guaranteed against defects in materials and workmanship for a period of at least twelve (12) months for non-LED equipment or four (4) years for LED equipment from final acceptance by the Owner. The defective materials and/or equipment shall be repaired or replaced, at the Owner's discretion, with no additional cost to the Owner.



## EQUIPMENT AND MATERIALS

**125-2.2 Conduit/Duct.** Conduit shall conform to Specification Item L-110 Airport Underground Electrical Duct Banks and Conduits.

**125-2.3 Cable and Counterpoise.** Cable and Counterpoise shall conform to Item L-108 Underground Power Cable for Airports.

**125-2.4 Tape.** Rubber and plastic electrical tapes shall be Scotch Electrical Tape Numbers 23 and 88 respectively, as manufactured by 3M Company or an approved equal.

**125-2.5 Cable Connections.** Cable Connections shall conform to Item L-108 Installation of Underground Cable for Airports.

**125-2.6 Retroreflective Markers.** Not used.

**125-2.7 Runway and Taxiway Lights.** Runway and taxiway lights shall conform to the requirements of AC 150/5345-46. Lamps shall be of size and type indicated, or as required by fixture manufacturer for each lighting fixture required under this contract. Filters shall be of colors conforming to the specification for the light concerned or to the standard referenced.

### Lights

| Type      | Class | Mode | Style | Option                     | Base   | Color | Transformer | Notes        |
|-----------|-------|------|-------|----------------------------|--------|-------|-------------|--------------|
| L-861T(L) | 2     | 1    | N/A   | Base Plate with Ground Lug | L-867B | Blue  | 15W         | 14" Tall LED |

**125-2.8 Runway and Taxiway Signs.** Runway and Taxiway Guidance Signs should conform to the requirements of AC 150/5345-44.

### Signs

| Type   | Size | Style | Class | Mode | Notes |
|--------|------|-------|-------|------|-------|
| L-858R | 1    | 3     | 1     | 2    | LED   |
| L-858Y | 1    | 3     | 1     | 2    | LED   |
| L-858L | 1    | 3     | 1     | 2    | LED   |

**125-2.9 Runway End Identifier Light (REIL).** Not required.

**125-2.10 Precision Approach Path Indicator (PAPI).** Not required.

**125-2.11 Circuit Selector Cabinet.** Not required.





**125-2.12 Light Base and Transformer Housings.** Light Base and Transformer Housings should conform to the requirements of AC 150/5345-42. Light bases shall be Type L-867 or L-868, Class 1A , Size B shall be provided as indicated or as required to accommodate the fixture or device installed thereon. Base plates, cover plates, and adapter plates shall be provided to accommodate various sizes of fixtures.

**125-2.13 Isolation Transformers.** Isolation Transformers shall be Type L-830, size as required for each installation. Transformer shall conform to AC 150/5345-47.

## INSTALLATION

**125-3.1 Installation.** The Contractor shall furnish, install, connect and test all equipment, accessories, conduit, cables, wires, buses, grounds and support items necessary to ensure a complete and operable airport lighting system as specified here and shown in the plans.

The equipment installation and mounting shall comply with the requirements of the National Electrical Code and state and local code agencies having jurisdiction.

The Contractor shall install the specified equipment in accordance with the applicable advisory circulars and the details shown on the plans.

**125-3.2 Testing.** All lights shall be fully tested by continuous operation for not less than 24 hours as a completed system prior to acceptance. The test shall include operating the constant current regulator in each step not less than 10 times at the beginning and end of the 24-hour test. The fixtures shall illuminate properly during each portion of the test.

**125-3.3 Shipping and Storage.** Equipment shall be shipped in suitable packing material to prevent damage during shipping. Store and maintain equipment and materials in areas protected from weather and physical damage. Any equipment and materials, in the opinion of the RPR, damaged during construction or storage shall be replaced by the Contractor at no additional cost to the owner. Painted or galvanized surfaces that are damaged shall be repaired in accordance with the manufacturer's recommendations.

**125-3.4 Elevated and In-pavement Lights.** Water, debris, and other foreign substances shall be removed prior to installing fixture base and light.

A jig or holding device shall be used when installing each light fixture to ensure positioning to the proper elevation, alignment, level control, and azimuth control. Light fixtures shall be oriented with the light beams parallel to the runway or taxiway centerline and facing in the required direction. The outermost edge of fixture shall be level with the surrounding pavement. Surplus sealant or flexible embedding material shall be removed. The holding device shall remain in place until sealant has reached its initial set.

## METHOD OF MEASUREMENT

**125-4.1 Taxiway lights** will be measured by the number of each type installed as completed units including isolation transformers, hardware, splice kits, stem plates, etc. in place with new basecans, ready for operation, and accepted by the RPR. Base Can extensions shall be installed and paid for separately if additive alternate 2 is selected.

Airfield Guidance Signs will be measured by the number of each type and size installed as completed units including isolation transformers, hardware, splice kits, etc. with new concrete sign foundations ready for operation, and accepted by the RPR.



## **BASIS OF PAYMENT**

**125-5.1** Payment will be made at the Contract unit price for each complete taxiway light or guidance sign installed by the Contractor and accepted by the RPR. This payment will be full compensation for furnishing all materials and for all preparation, assembly, and installation of these materials, and for all labor, equipment, tools and incidentals necessary to complete this item.

Payment will be made under:

|                |  |
|----------------|--|
| Item L-125-5.1 | New MITL, L-861(L) LED Elevated Taxiway Edge Light, Including New Isolation Transformer, Hardware, and Splice Kit, Installed on New L-867 Base Can – per Each            |
| Item L-125-5.2 | New MITL, L-861(L) LED Elevated Taxiway Edge Light, Including New Isolation Transformer, Hardware, and Splice Kit, Installed on New 12” Height L-867 Base Can – per Each |
| Item L-125-5.3 | New Size 1, 2 Module LED Airfield Guidance Sign, Including New Isolation Transformer and Splice Kit, Installed on Existing Base – per Each                               |
| Item L-125-5.4 | New Size 1, 3 Module LED Airfield Guidance Sign, Including New Isolation Transformer and Splice Kit, Installed on Existing Base – per Each                               |
| Item L-125-5.5 | New Size 1, 4 Module LED Airfield Guidance Sign, Including New Isolation Transformer and Splice Kit, Installed on Existing Base – per Each                               |
| Item L-125-5.6 | New 3” L-867 Base Can Extension, Including Hardware Installed – per Each   |

## **REFERENCES**

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

### **Advisory Circulars (AC)**

|                |  |
|----------------|--|
| AC 150/5340-18 | Standards for Airport Sign Systems   |
| AC 150/5340-26 | Maintenance of Airport Visual Aid Facilities                                       |
| AC 150/5340-30 | Design and Installation Details for Airport Visual Aids                            |
| AC 150/5345-5  | Circuit Selector Switch  |
| AC 150/5345-7  | Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits |
| AC 150/5345-26 | Specification for L-823 Plug and Receptacle, Cable Connectors                      |



|                        |   |
|------------------------|---|
| AC 150/5345-28         | Precision Approach Path Indicator (PAPI) Systems  |
| AC 150/5345-39         | Specification for L-853, Runway and Taxiway Retroreflective Markers                           |
| AC 150/5345-42         | Specification for Airport Light Bases, Transformer Housings, Junction Boxes, and Accessories  |
| AC 150/5345-44         | Specification for Runway and Taxiway Signs  |
| AC 150/5345-46         | Specification for Runway and Taxiway Light Fixtures   |
| AC 150/5345-47         | Specification for Series to Series Isolation Transformers for Airport Lighting Systems        |
| AC 150/5345-51         | Specification for Discharge-Type Flashing Light Equipment                                     |
| AC 150/5345-53         | Airport Lighting Equipment Certification Program  |
| Engineering Brief (EB) |   |
| EB No. 67              | Light Sources Other than Incandescent and Xenon for Airport and Obstruction Lighting Fixtures |

**END OF ITEM 125**

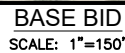
# **ATTACHMENT III**

## **PLAN SHEET UPDATES**



X:\PHX\_Aviation\191593014\_Coollidge OnCall 04 Task 5\CADD\191593014NTO2.dwg Jun 03, 2025 brandon.robinson  
XREFS: x191593014BW x191593014AE x191593014TB x191593014BM-ALT 1 x191593014BW-ALT 2  
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|    |           |  |       |    |   |
|----|-----------|--|-------|----|---|
| 21 | D-751-5.2 | Storm Drain Apron  | 3     | EA | 1 |
| 22 | MAG 220.5 | Ungrouted Rip Rap, D50-9", with Geosynthetic Fabric<br>No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Trench,<br>Duct Bank, or Conduit | 150   | SY |   |
| 23 | L-108-5.1 |  | 2,310 | LF | 1 |
| 24 | L-108-5.2 | No. 6 AWG, Bare CU Counterpoise Installed in Trench  | 1,670 | LF |   |
| 25 | L-110-5.1 | Non-Encased Conduit, 1-Way 2"  | 1,190 | LF | 1 |
| 26 | L-110-5.2 | Concrete Encased Conduit, 1-Way 2"   | 170   | LF |   |
| 27 | L-110-5.3 | Concrete Encased Conduit, 2-Way 2"   | 90    | LF |   |



|    |           |  |       |    |
|----|-----------|--|-------|----|
| 21 | MAG220.5  | UngROUTED Rip Rap, D50=9", with Geosynthetic Fabric  | 50    | CY |
| 22 | L-108-5.1 | No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Trench, Duct Bank, or Conduit   | 1,275 | LF |
| 23 | L-108-5.2 | No. 6 AWG, Bare CU Counterpoise Installed in Trench  | 855   | LF |
| 24 | L-110-5.1 | Non-Encased Conduit, 1-Way 2"  | 750   | LF |
| 25 | L-110-5.3 | Concrete Encased Conduit, 2-Way 2"   | 105   | LF |
| 26 | L-115-5.1 | Concrete H-20 Load Rated Electrical Handhole   | 1     | EA |
| 27 | L-125-5.1 | NEW L-861T Elevated Highway Edge Light Installed on L-867 Base Can including Isolation Transformer, stem, plate and splice kit | 18    | EA |
| 28 | L-125-5.3 | New 2 Module Size 1 LED Airfield Sign with Concrete Base   | 1     | EA |
| 29 | L-125-5.5 | New 3 Module Size 1 LED Airfield Sign with Concrete Base   | 1     | EA |



|    |           |   |      |    |
|----|-----------|---|------|----|
| 10 | P-001     | Reflective Yellow Taxiway Pavement Markings, Waterborne                                   | 1740 | SF |
| 11 | L-125.5.6 | NEW 3" L-361T Base Can Extension, Including Hardware Installed<br>(Not FA A AIP Eligible) | 48   | EA |



|                                   |
|-----------------------------------|
| PROJECT NO.<br>191593014          |
| DRAWING NAME<br>191593014NT02.dwg |
| C1.3                              |
| SHEET NO. 3 OF 43                 |

|                    |                  |                |
|--------------------|------------------|----------------|
| SCALE (H): 1"=150' | DESIGNED BY: BLR | DATE: 04/30/25 |
| SCALE (V): N/A     | DRAWN BY: SQR    |                |
|                    | CHECKED BY: BLR  |                |

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