

## ADDENDUM NO. 2

April 27, 2021

**RE: Remove Runway, Shift/Realign Taxiway C, and Rehabilitate General Aviation Ramp at Toledo Executive Airport**

**FROM:** Tina Perkins, Construction Administrator  
Toledo – Lucas County Port Authority  
One Maritime Plaza  
Toledo, Ohio 43604-1866  
Website: toledoport.org  
P: (419)243-8251

**TO:** Plan Holders

This Addendum is hereby made a part of the Bid Documents and Specifications of the above referenced project. All other requirements of the original Contract Documents and Specifications shall remain effective in their respective order. **ALL BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY INSERTING THE ADDENDUM NUMBER ON THE FORM OF PROPOSAL, PAGE P-1.**

### **BID DOCUMENT CLARIFICATION**

**1. Bid Opening:**

- a. Bid Opening date remains as rescheduled to Friday, April 30, 2021 at 11:00 AM.
- b. This bid opening will be conducted remotely with all bids opened and read aloud via conference call. See below for call-in information.
- c. Submission of bids shall remain as outlined in the Instruction to Proposers with the deadline rescheduled to Friday, April 30, 2021 at 11:00 AM

Conference call dial-in information: **866-252-0050**

Participant code: **5156208#**

**2. Contractor's Checklist Revised: (SEE ATTACHED)**

- a. Buy American Certification - (PA-1 – PA-2)
  - i. PA-1 – PA-2 Forms attached.

**3. DBE Goal and Assurance Forms: (SEE ATTACHED)**

- a. DBE-4 form was omitted in original documents.



### **MODIFICATIONS TO PLAN SHEETS:**

1. **Sheet E153** – Replace existing Electrical Details III Sheet E153 with the revised Sheet E153, Addendum 2, attached.
  - a. Guidance Sign Bid Schedule updated: Proposed sign style revised to Style 2 (all signs to be lit).

### **MODIFICATIONS TO PROJECT MANUAL**

1. **Item L-125 Installation of Airport Lighting Systems** – Specification updated to reflect correct airfield signage Style 2 type.

### **QUESTIONS**

- Q.1. **Are the four new signs lighted? The legend calls for Style 4 indicating unlit signs.**
  - A. The proposed airfield signs will be lit. Sheet E153 has been updated to reflect the correct Style 2 for proposed airfield signage.

**END Addendum No. 2**

## CONTRACTOR'S CHECKLIST

This page contains the bid submission criteria required by the Toledo-Lucas County Port Authority.

**The listed items are not a guideline – they are all required to be completed and submitted with Contractor's bid, or the entire bid will be considered non-responsive.**

_____	Form of Proposal	Pages P-1 through P-7
_____	Terrorist Forms	Pages T-1 through T-2
_____	Substitution Sheet	Page S-1
_____	Non-Collusion Affidavit	Page NC-1
_____	Corporation/Partnership Acknowledgment	Pages CA-1 OR CA-2
_____	Experience Record and List of Equipment	Page ER-1
_____	List of Subcontractors	Page LS-1
_____	Proposal Bond	Page PL-1
_____	DBE Goal and Assurance Forms	Pages DBE-2, DBE-3 & DBE-4
_____	Affidavit of Non-Delinquency of Personal Property Taxes	Page AC-1
_____	Buy American Certification	PA-1 – PA-2
_____	Tax Delinquency and Felony Convictions	MCP 30-31

CC-1

ADDENDUM NO. 2

## BUY AMERICAN CERTIFICATION

### Certificate of Buy American Compliance for Manufactured Products

(Non-building construction projects, equipment acquisition projects)

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with their proposal. The bidder or offeror must indicate how they intend to comply with 49 USC § 50101 by selecting one on the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (not both) by inserting a checkmark (✓) or the letter "X".

- Bidder or offeror hereby certifies that it will comply with 49 USC § 50101 by:
- a) Only installing steel and manufactured products produced in the United States, or;
  - b) Installing manufactured products for which the FAA has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing, or;
  - c) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

1. To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
2. To faithfully comply with providing US domestic product
3. To furnish US domestic product for any waiver request that the FAA rejects
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

- The bidder or offeror hereby certifies it cannot comply with the 100% Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:

1. To submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that support the type of waiver being requested.
2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination may result in rejection of the proposal.
3. To faithfully comply with providing US domestic products at or above the approved US domestic content percentage as approved by the FAA.
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

#### **Required Documentation**

**Type 3 Waiver** - The cost of the item components and subcomponents produced in the United States is more than 60% of the cost of all components and subcomponents of the "item". The required documentation for a type 3 waiver is:

- a) Listing of all product components and subcomponents that are not comprised of 100% US domestic content (Excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart

25.108; products of unknown origin must be considered as non-domestic products in their entirety)

- b) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly at place of manufacture.
- c) Percentage of non-domestic component and subcomponent cost as compared to total "item" component and subcomponent costs, excluding labor costs associated with final assembly at place of manufacture.

**Type 4 Waiver** – Total cost of project using US domestic source product exceeds the total project cost using non-domestic product by 25%. The required documentation for a type 4 of waiver is:

- a) Detailed cost information for total project using US domestic product
- b) Detailed cost information for total project using non-domestic product

**False Statements:** Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

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Date

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Signature

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Company Name

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Title

## DBE/MBE/WBE GOAL AND ASSURANCE FORMS

In order to assist bidders in making the required judgment concerning good faith efforts, this guideline lists the efforts that bidders may make in obtaining DBE/MBE/WBE participation. The entire list is not mandatory, exclusive or exhaustive. Other factors or types of efforts may be relevant. In determining whether a bidder has made good faith efforts, the Port Authority will look at not only the different types of efforts that the bidder has made, but also the quantity and intensity of these efforts.

You may be requested to provide **supporting documentation** that you have made good faith efforts. In attempting to determine whether a bidder may be awarded the contract who has failed to meet DBE/MBE/WBE participation goals, it must be demonstrated that efforts made to obtain DBE/MBE/WBE participation were in fact good faith efforts to meet the goals. **Any bid that fails to meet these requirements will be considered non-responsive.**

In order to award a contract to a bidder that has failed to meet the specified DBE/MBE/WBE participation goals, the Port Authority must be convinced that the bidder's efforts were actively and aggressively pursued. The bidder's good faith efforts could be evaluated by the Port Authority according to the below-listed criteria:

1. Whether the bidder attended any pre-bid meetings that were scheduled by the Port Authority;
2. Whether the bidder advertised in general circulation, trade association, and/or minority-focused media concerning the subcontracting opportunities;
3. Whether the bidder provided written notice to a reasonable number of specific DBE/MBE/WBE's that their interest in the contract was being solicited, giving the DBE/MBE/WBE's sufficient time to participate effectively;
4. Whether the bidder followed up on initial solicitations of interest by contacting DBE/MBE/WBE's to determine with certainty whether the DBE/MBE/WBE's were interested;
5. Whether the bidder selected portions of the work to be performed by DBE/MBE/WBE's in order to increase the likelihood of meeting the DBE/MBE/WBE contract goals;
6. Whether the bidder provided the interested DBE/MBE/WBE's with adequate information about the plans, specifications and requirements of the contract;
7. Whether the bidder negotiated in good faith with interested DBE/MBE/WBE's, and didn't reject any DBE/MBE/WBE's as unqualified without sound reasons based on a thorough investigation of their capabilities;
8. Whether the bidder made efforts to assist interested DBE/MBE/WBE's in obtaining bonding, lines of credit, or insurance required by the Port Authority; and/or
9. Whether the bidder effectively used the services of available minority community organizations; minority contractors' groups; local, state and federal minority business assistance offices; and any other organizations that provide assistance in the recruitment and placement of DBE/MBE/WBE's.

**DBE/MBE/WBE GOAL AND ASSURANCE FORMS**

A disadvantaged business enterprise, minority business enterprise, women business enterprise (DBE/MBE/WBE) participation goal of fifteen percent (15%) has been established for this project. The undersigned \_\_\_\_\_ has/have familiarized \_\_\_\_\_ with the DBE/MBE/WBE utilization requirements of the contract and do(es) assure that in strict accordance with the Contract Documents, if awarded the contract, \_\_\_\_\_ will utilize not less than \_\_\_\_\_% of DBE/MBE/WBE participation, and did not limit any firms from submitting proposals to other bidders.

Bidder proposes to meet the disadvantage business enterprise/minority business enterprise/women business enterprise (DBEMBE/WBE) participation goals for the contract as indicated below. Indicate percentage goals in space provided.

	DBE/MBE/WBE Contract Percentage Goals
1. As a DBE/MBE/WBE Contractor	(      )
2. As a qualified DBE/MBE/WBE Joint Venture	(      )
3. Through DBE/MBE/WBE subcontractor(s)	(      )

If a bidder is a qualified Joint Venture, it should list in the space provided above the percentage of the ownership and controls of the DBE/MBE/WBE partner or partners in the Joint Venture.

This assurance is made this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Name of Bidder: \_\_\_\_\_ (print or type)\*

Business Address: \_\_\_\_\_

Signed by: \_\_\_\_\_

Signed by: \_\_\_\_\_

Signed by: \_\_\_\_\_

Attest: \_\_\_\_\_ (Seal)

And who, under the by-laws of said corporation has the authority to sign this document.

\*Insert bidder's name; if a corporation, give the state of incorporation using the phrase "a corporation organized under the laws of"; if a partnership, give the names and addresses of the partners, using also the phrase "co-partners trading and doing business under the firm name and style of".

NOTE: Bidders should not add any conditions or qualifying statements to the certificate as otherwise the Bid may be declared irregular in being not responsive to the Notice to Contractors. The penalty for making false statements in offers is prescribed in 23 U.S.C. 1001.

**DBE/MBE/WBE GOAL AND ASSURANCE FORMS  
LISTING OF DBE/MBE/WBE SUBCONTRACTORS**

Name of DBE/MBE/WBE Subcontractor/ Supplier/ Manufacturer Contacted	Date of Contact	Description of Work And Amount of Quote	Accepted or Rejected	Why Rejected

(This form may be reproduced if necessary)

DBE/MBE/WBE -3  
ADDENDUM NO. 2



**Good Faith Affidavit**

This Affidavit shall be submitted by a bidder in the event that:

- 1. bidder is a non-DBE/MBE/WBE and is self-performing; or
- 2. after reasonable efforts, the bidder has failed to reach the stated goal for DBE/MBE/WBE participation.

**A bid which does not reach the stated goal and which does not contain an Affidavit in explanation thereof shall be disqualified from consideration as a non-conforming, non-responsive bid.**

State of \_\_\_\_\_ )  
  )SS  
County of \_\_\_\_\_ )

- 1. I, \_\_\_\_\_, whose title is \_\_\_\_\_ of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (“Company”) have personal knowledge of the statements set forth in this Affidavit and hereby declare such statements to be true and accurate to the best of my knowledge.
  
- 2. Company submitted a bid for work in relation to the project entitled \_\_\_\_\_  
\_\_\_\_\_ which included a goal of 15% for disadvantage business enterprise, 15% for minority business enterprise/15% women business enterprise (circle applicable goal).
  
- 3. Company attempted to satisfy this goal of DBE/MBE/WBE participation by taking the following actions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
- 4. Despite the above efforts, Company was unable to attain this goal of DBE/MBE/WBE participation for the following reasons: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature of Affiant: \_\_\_\_\_ Date: \_\_\_\_\_

SHOULD YOU NEED ADDITIONAL SPACE FOR COMMENTS 3 AND 4 ABOVE, USE THE BACK OF THIS FORM OR ATTACH ADDITIONAL INFORMATION AND SUBMIT WITH THIS FORM.

Acknowledgment of Notary

On this \_\_\_ day of \_\_\_\_\_ 20\_\_\_, before me, a Notary Public in and for said County and State, personally appeared \_\_\_\_\_ who certified that the statements set forth above are true and accurate and that she/he signed such affidavit voluntarily and of her/his own free will.

IN WITNESS WHEREOF, I have hereunto subscribed by name and affixed my seal on the day and year aforesaid.

\_\_\_\_\_  
Notary Public  
DBE/MBE/WBE-4  
ADDENDUM NO. 2

MODIFICATIONS TO PLAN SHEETS  
ADDENDUM 2

REVISIONS

NO.	DESCRIPTION	DATE
2	ADDENDUM 2	04/23/21

DATE ISSUED: **APRIL 2021**  
 REVIEWED BY: MLS  
 DRAWN BY: KMN  
 DESIGNED BY: KMN

**RS&H PROJECT NUMBER 2181858.007**  
**AIP PROJECT NUMBER 03-39-0078-030-2021**

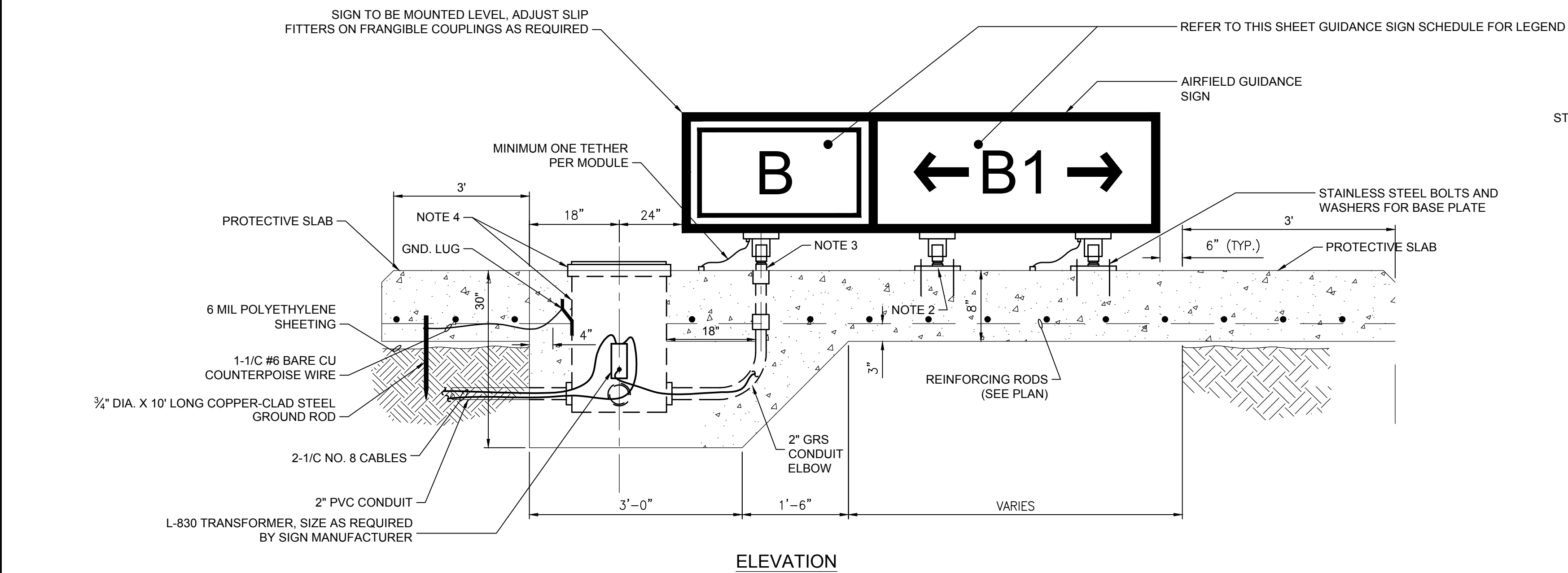
© 2021 RS&H, INC.  
**SHEET TITLE**

**ELECTRICAL DETAILS III**

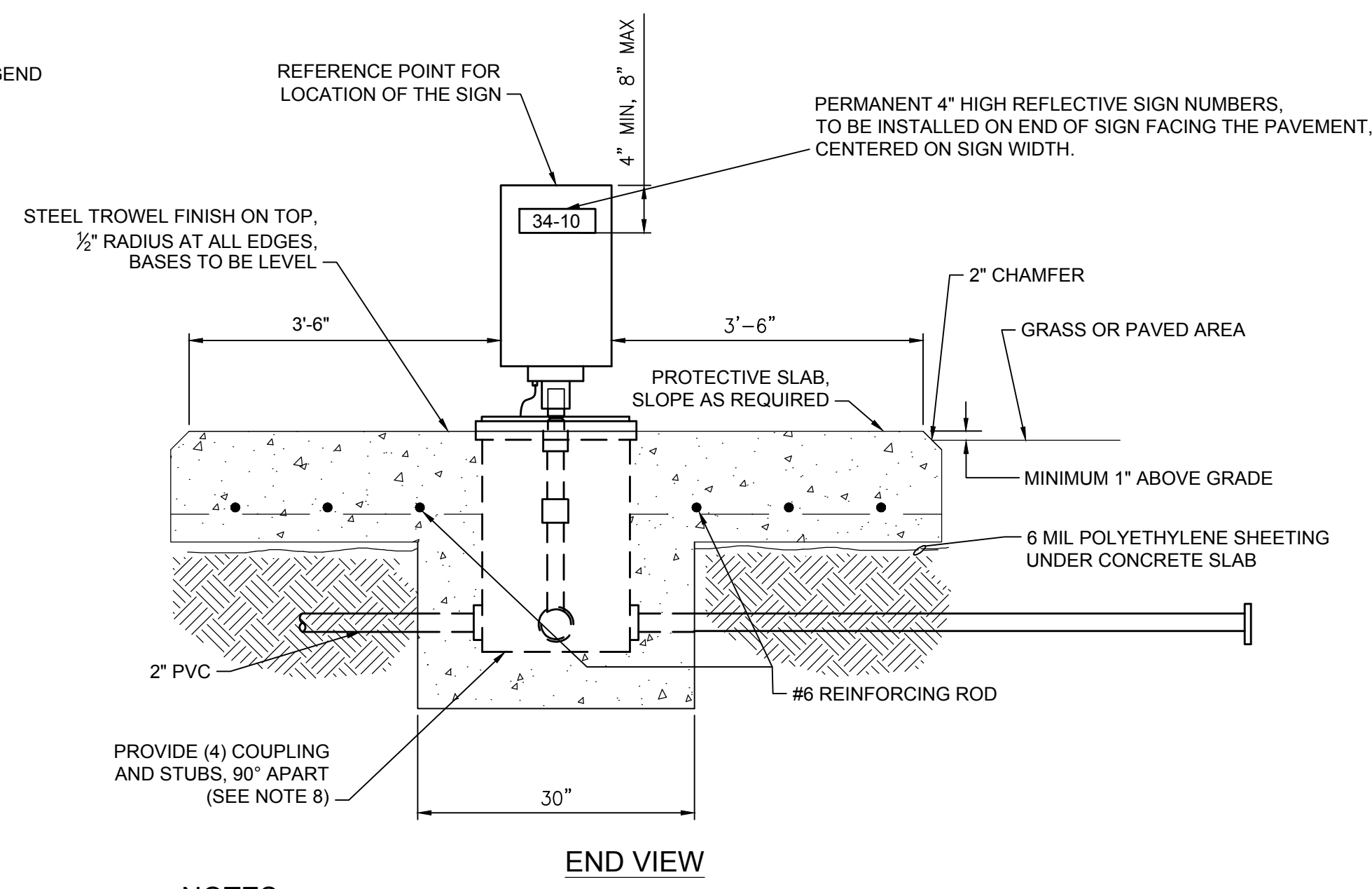
**SHEET NUMBER**

**E153**

**100% DESIGN**



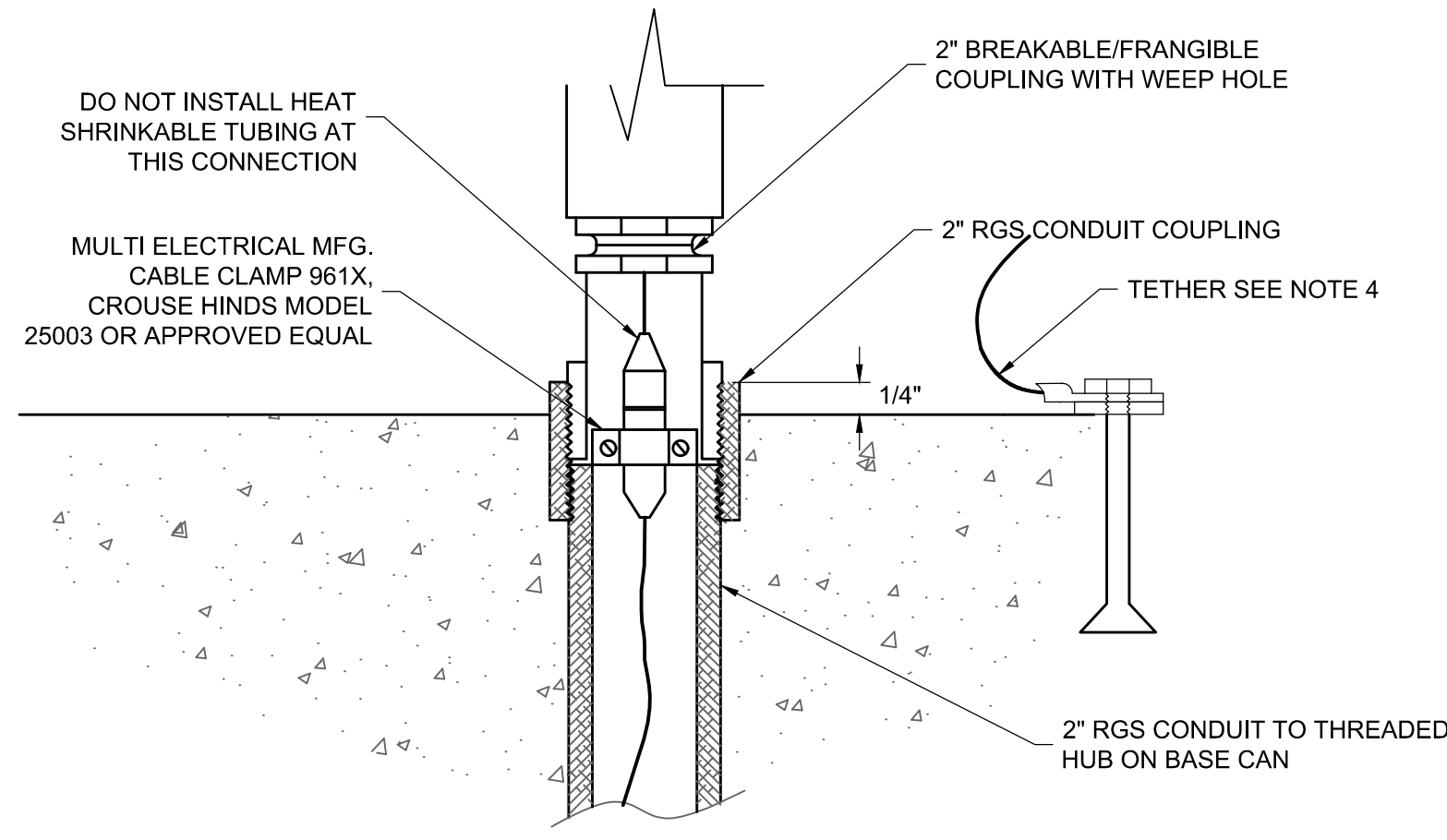
**1 LIGHTED AIRFIELD GUIDANCE SIGN DETAILS**  
 SCALE: N.T.S.



- NOTES:**
- ELEVATION OF SIGN BASE TO BE 1.5" ABOVE EXISTING GRADE. BASE TO BE LEVEL. PROVIDE 8" THICK CONCRETE PROTECTIVE SLAB AROUND SIGN BASE AND SLOPE DOWN AS REQUIRED TO BE MAXIMUM 1" ABOVE EXISTING GRADE.
  - RECTANGULAR SUPPORT PLATE WITH SLOTTED BOLT HOLES AND 2" PIPE COUPLING FOR FRANGIBLE SUPPORT OF SIGN WITHOUT CABLE ENTRANCE.
  - FRANGIBLE COUPLING FOR CABLE ENTRANCE AT SIGN. INSTALL CLAMP ON LOWER CABLE AT JUNCTION OF FRANGIBLE COUPLING AND 2" PIPE COUPLING. SET TOP OF PIPE COUPLING 3/4" ABOVE FINISHED CONCRETE.
  - 3/4" THICK STEEL COVER PLATE WITH NEOPRENE GASKET AND TRANSFORMER HOUSING FOR TAXI GUIDANCE SIGN CLASS 1, L-867, SIZE D, 16" DIAMETER BY 24" DEEP WITH 1" DRAIN COUPLING. PROVIDE 4 - 2" THREADED CONDUIT HUBS.
  - 1/8" #8, 5 KV CABLE SHALL BE L-824, TYPE C CONNECTED TO TRANSFORMER WITH PLUG AND RECEPTACLE CONNECTORS L-823.
  - TAXI GUIDANCE SIGN SHALL BE TYPE L-858-L (YELLOW LEGEND ON BLACK BACKGROUND), TYPE L-858-Y (BLACK LEGEND ON A YELLOW BACKGROUND) OR TYPE L-858R (WHITE LEGEND WITH BLACK BORDER ON RED BACKGROUND), SIZE 3, STYLE 3/2.
  - EXTEND 2" PVC CONDUIT 6" PAST PROTECTIVE SLAB. FOR ADDITIONAL NOTES, REFER TO SHEET E209.
  - FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE NOTES, SEE DWGS E001 AND E002.

**GUIDANCE SIGN BID SCHEDULE**

SIGN #	LOCATION RWY/TWY	PROPOSED LEGEND		TYPE L-858		SIZE	STYLE	CLASS	MODULES
		FRONT	BACK	FRONT	BACK				
1	TWY A	A ← C	A → C	L/Y	L/Y	2	2	2	2
2	TWY B	B ← A →	B → A ←	Y/L/Y/Y	L/BLANK	2	2	2	3
3	TWY C	C ← A →	C → A ←	L/Y/Y	L/BLANK	2	2	2	3
4	TWY A	A ← C	A → B →	L/Y/Y	BLANK	2	2	2	3



**SIGN SCHEDULE LEGEND**

L	YELLOW CHARACTERS ON BLACK BACKGROUND
Y	BLACK CHARACTERS ON YELLOW BACKGROUND
R	WHITE CHARACTERS WITH BLACK BORDER ON RED BACKGROUND
B	WHITE LEGEND ON BLACK BACKGROUND
BLANK	SOLID BLACK PANEL

Author: Borowski, Russell  
 Drawing: T:\P2\181858.007 TDZ RSA Improvements\CAD (2020)\E153.dwg  
 Plotted on: 2/24/2021

MODIFICATIONS TO PROJECT MANUAL  
ADDENDUM 2

## 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, tabbed by specification section. 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 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 required.

**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	Filter	Transformer	Notes
L-861T(L)	2	1	N/A	4	L-867B	Blue	30/45W	Incandescent 30" Height

**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-858Y/R/L(L)	2	2	2	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, Class 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** Runway and taxiway lights will be measured by the number of each type installed as completed units in place, ready for operation, and accepted by the RPR. Guidance signs will be measured by the number of each type and size installed as completed units, in place, 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 runway or taxiway light, and 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:

L-125-5.1                      Remove Existing Elevated Light and Base, in Turf – Each

L-125-5.2	Reinstall Existing L-861T Elevated Taxiway Edge Light and Existing Transformer on New Light Base, in Turf - Each
L-125-5.3	Reinstall New L-861T Elevated Taxiway Edge Light and New Transformer on New Light Base, in Turf- Each
L-125-5.4	Remove Existing Guidance Sign - Each
L-125-5.5	New L-858 Guidance Sign - 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
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### **END OF ITEM L-125**