

ADDENDUM NO. TWO (2)

REHABILITATE AIRFIELD SIGNAGE AND LIGHTING

**ROANOKE-BLACKSBURG REGIONAL AIRPORT
ROANOKE, VIRGINIA**

**AIP PROJECT NO. 3-51-0045-062-2019 (DESIGN)
AIP PROJECT NO. 3-51-0045-PENDING (CONSTRUCTION)
DELTA PROJECT NO. 19013**

JUNE 9, 2020

From: Delta Airport Consultants, Inc.
270 Polo Parkway
Midlothian, Virginia 23113

To: **All Plan Holders of Record**



This Addendum is hereby made a part of the contract documents and specifications of the above referenced project. All other requirements of the original specification shall remain in effect in their respective order. **Acknowledge receipt of this addendum by inserting its number and date in the proposal form.**

SPECIFICATIONS

1. **ADD** the attached Special Provision 150-37 “Electrical Vault Safety Board” included in Addendum No. Two (2)

PLANS

2. **REVISE** the CKT# 4A regulator reference shown on the “ELECTRICAL RISER DIAGRAM – NEW WORK” to read as follows:

“CKT# 4A 7.5KW 5-STEP TW J”

ADDENDUM NO. TWO (2)

ATTACHMENTS:

1. Questions and Answers
2. Special Provision 150-38 "Electrical Vault Safety Board"

END OF ADDENDUM NO. TWO (2)

ATTACHMENT NO. ONE (1)

REHABILITATE AIRFIELD SIGNAGE AND LIGHTING

**ROANOKE-BLACKSBURG REGIONAL AIRPORT
ROANOKE, VIRGINIA**

QUESTIONS AND ANSWERS

1. **QUESTION:** Sheet 64 shows 14 regulators (dark items) to be demolished or modified, while Sheet 61 Note F indicates that all existing active and spare CCRs are to be removed and disposed of (typical of 17). Please confirm the existence of 3 additional (spare) CCRs that are to be removed and disposed of.

ANSWER: There are three (3) additional oil-filled spare regulators which are not shown on the Demolition Plan that will need to be removed as part of the project.

2. **QUESTION:** On Sheet 62, please provide full specifications for equipment listed on electrical vault safety board.

ANSWER: Reference is directed to Special Provision 150-37 “Electrical Vault Safety Board” included in Addendum No. Two (2).

3. **QUESTION:** On Page 62, Note 12, is the reference to one each per regulator or one set of each optional handle.

ANSWER: Reference to Keynote N12. Each regulator shall be provided with the standard handle that allows for normal operation. Provide at least one (1) of each type of megger handle type per regulator to allow CCR output to be placed in closed, open, grounded, and test position.

4. **QUESTION:** Will the lamps out monitoring feature on the regulators be utilized? If so, to which circuits will the monitoring apply? In general, the proposed circuits contain both lights and signs.

ANSWER: Lamps out monitoring is not required.

ATTACHMENT NO. ONE (1)

5. QUESTION: Are the regulators to be L-828 or L-829? Are they to be Ferroresonant?

ANSWER: Reference is directed to Keynote N1 on Sheet 62, Keynote N1 on Sheet 63, and Electrical Riser Diagram on Sheet 64. As noted, the Constant Current Regulators are to be Ferroresonant L-829 type with integral monitoring and IRMS.

6. QUESTION: Regulator CKT # 4A for TWY J on Sheet 64 calls for a 4KW, 5-Step. On Sheet 65 it calls for a 7.5KW, 3-Step. Which is correct?

ANSWER: All CCRs shall be 5-step and operated with 3 of 5 steps per coordination with the Owner. CKT # 4A shall be 7.5KW regulator. Reference is directed to Addendum No. Two (2).

7. QUESTION: My question arises with, in the outside of the work scope for this project, with the reprogramming of the existing ALCMS system, is the Airport going to use existing or supply the ACE3 units in order to communicate with a regulator that is not an ADB regulator?

ANSWER: The project scope requires the Contractor to provide L-829 CCRs with integral monitoring and insulation resistance monitoring and required controls between the CCRs and the Airport's ALCMS. The Contractor is required to coordinate with the Airport Owner regarding the ALCMS control system. If the Contractor proposes CCRs with controls that are not inherently compatible with the existing ALCMS control system, then additional coordination will be required between the Contractor and Owner. If required, the Owner will purchase the necessary ACE equipment and provide to the Contractor for installation. The Contractor shall notify the Owner if additional equipment shall be required as a part of the bid.

150-38 ELECTRICAL VAULT SAFETY BOARD

The Contractor shall provide the following equipment for the proposed electrical vault safety board shown on the plans:

- A. ACCIDENT AND FIRE PROCEDURES (FURNISHED BY AIRPORT)
- B. EMERGENCY TELEPHONE NUMBERS, (E.G. DOCTOR, HOSPITAL, RESCUE SQUAD, FIRE DEPARTMENT, AIRPORT OPERATIONS, POLICE AND AIR TRAFFIC CONTROL TOWER) (FURNISHED BY AIRPORT)
- C. RESUSCITATION EQUIPMENT (RESUSCITUBE OR EQUIVALENT) AND RESUSCITATION INSTRUCTIONS. FDA Approved Manual Pump Adult Resuscitation Bag with CPR Mask.
- D. FIRST-AID KIT. Metal, plastic, or fabric enclosure containing the following General Purpose and Bloodborne Pathogen Protection sterile items meeting OSHA 29 CFR 1910.151(b) standards and including the following at a minimum:
 - (8) Knuckle Fabric Bandages,
 - (8) Fingertip Fabric Bandages,
 - 1/2" x 5 yd. First Aid Tape Waterproof, Spool,
 - (3) 2" x 2" Sterile Gauze Pads, 2" x 4" Adhesive Fabric Bandages, (10) 3" Cotton Tip Applicators,
 - (10) 3/4" x 3" Fabric Bandages,
 - 3" x 3" Sterile Gauze Pads,
 - 5" x 9" Trauma Pad,
 - (8) Alcohol Wipes,
 - (50) 3/4" x 3" Adhesive Plastic Bandages,
 - (12) Spot Circular Bandages,
 - (20) 1" x 3" Adhesive Plastic Bandages,
 - (5) Butterfly Bandages,
 - (12) BZK Antiseptic Towelettes,
 - 4" x 5" Instant Cold Pack,
 - 52" x 84" Emergency Blanket,
 - 0.9g First Aid/Burn Cream Packets,
 - (20) Junior Bandages,
 - Nitrile Exam Gloves,
 - (4) 0.9g Antibiotic Ointment Packets,
 - Aspirin Tablets, Ibuprofen,
 - (2) Extra-Strength Non-Aspirin Tablets,
 - 4-1/4" Plastic Tweezers,
 - Red Cross First Aid Guide,
 - Splint Finger/Tongue Depressor,
 - (4) Sterile Eye Pads and Strips

- E. HIGH-VOLTAGE DISCONNECT (HOT) STICK.
- F. NON-CONDUCTIVE BODY RESCUE HOOK.
- G. RUBBER GLOVES RATED FOR MAXIMUM VOLTAGE PRESENT WITH LEATHER GLOVES AND PROTECTIVE STORAGE BAG. Gloves shall be ASTM D120 compliant Class 1 rated and compliant with OSHA 29 CFR 1910.137(a)
- H. INSULATED FUSE PULLER. Fuse puller shall be sized for CCR fuses. Manufactured by BRADY, BUSSMANN and IDEAL
- I. NON-METALLIC FLASHLIGHT Battery operated flashlight with non-metallic housing and internal structure. Flashlight shall be handheld with min 300 lumens LED light source. Batteries shall be replaceable standard commercially available sized AA, AAA, C, or D. Flashlight shall have a minimum of 5-hour runtime at full output.
- J. GROUNDING STICK.
- K. SAFETY POSTERS AND BULLETINS (FURNISHED BY AIRPORT)
- L. PORTABLE NON-CONDUCTIVE WARNING SIGNS WITH NON-CONDUCTIVE HANGERS. Nonconductive OSHA Compliant “Warning High Voltage Do Not Enter” Sign with non-conductive hangars.
- M. CLASS C FIRE EXTINGUISHER FOR ELECTRICAL FIRES. Min 10lb.
- N. PORTABLE EMERGENCY EYEWASH STATION. Eye wash station with (2) removable 32 oz bottles and eye wash applicators.
- O. AUTOMATIC EXTERNAL DEFIBRILLATOR (AED) WITH INSTRUCTIONS. OSHA PPE and AHA compliant adult 200J defibrillator with 8 second charging time 4yr Li-MnO₂ battery and Self Compensating Output Pulse Envelope, Optimized Biphasic Escalating Waveform Compensates Energy, Slope and Envelope for Patient Impedance enclosed in Water and Dust Tight Carrying Case. Provide ANSI/ISEA Z308.1-2009 Type III scissor razor accessory kit.