

ADDENDUM NO. 1
PROJECT MANUAL
MASON COUNTY
MASON, TEXAS
2022 AIRPORT ELECTRICAL IMPROVEMENTS
TXDOT CSJ NO. 2114MASON

Bids will be received until Wednesday, November 16, 2022, at 2 P.M., local time.

This Addendum to the Bid Documents is issued to modify, explain, or correct the original Contract Documents and Specifications for Mason County Airport 2022 Airport Electrical Improvements (TXDOT CSJ No. 2114MASON) and is hereby made part of the Contract Documents. Acknowledgment of receipt of this Addendum is required on Page 4 of the Bid Form. Failure to acknowledge all addenda could render your Bid out of form and result in a non-responsive Bid.

A. NONMANDATORY PREBID CONFERENCE MEETING DOCUMENTS

1. MEETING AGENDA, MINUTES, AND REGISTER

ADD the attached Nonmandatory Prebid Conference Meeting Agenda, Meeting Minutes, and Meeting Register to the Specifications.

B. BID FORM

1. 2114MASON BID FORM

REPLACE the existing Bid Form with the attached revised Bid Form.

C. FAA SPECIAL SPECIFICATIONS

1. ITEM L-109–AIRPORT TRANSFORMER VAULT AND VAULT EQUIPMENT

- a. Page 2, Item L-109–Airport Transformer Vault and Vault Equipment, 109-2.10.e.

REPLACE Paragraph 109-2.10.e. with the following paragraph:

“e. The roof coating shall be an elastomeric coating system made of primer, base and topcoat. Base coat shall be a one-part, self-leveling elastomeric polyurethane coating. Topcoat shall be a one-part, elastomeric, aliphatic, polyurethane coating to provide UV resistance. Color selection shall be by Owner.”

- b. Page 5, Item L-109–Airport Transformer Vault and Vault Equipment, 109-3.3.

CHANGE the first sentence in the second paragraph to the following: “For hot asphalt roof installations, one brush or mop coat of hot asphalt roof coating shall be applied to the top surface of the roof slab.”

ADD the following paragraph: “For elastomeric roof coating installations, the coating system shall be applied to the top surface of the roof slab. The concrete roof surface shall be cured a minimum of 28-days, clean, dry, sound, and free of all surface contaminants, coatings, curing agents, laitance, and any foreign matter which may interfere with adhesion. Apply primer to concrete surface at a rate of 200- to 250-square-feet-per-gallon forcing primer into pores and voids. Apply

base coat in a minimum 25 wet mils thick coat and within 24 hours of primer application. Apply top coat in a minimum 25 wet mils thick."

2. ITEM L-110--AIRPORT UNDERGROUND ELECTRICAL DUCT BANKS AND CONDUITS

a. Page 8, Item L-110--Airport Underground Electrical Duct Banks and Conduits, 110-5.1.

CHANGE Payment Item L-110-5.1 to the following: "Non-Encased, Electrical PVC Conduit (Type 1), 2-inch in a single trench--per linear foot."

ADD the following Payment Item after Paragraph L-110-5.1: "Item L-110-5.2 Non-Encased, Electrical PVC Conduit (Type 1), Two 2-inch in a shared trench--per linear foot."

D. DRAWINGS

1. SHEET NO. 5--QUANTITIES

REPLACE the existing Sheet No. 5 with the attached revised Sheet No. 5.

2. SHEET NO. 7--CSPP (CLOSED RUNWAY)

REPLACE the existing Sheet No. 7 with the attached revised Sheet No. 7.

3. SHEET NO. 10--ELECTRICAL PLAN I

REPLACE the existing Sheet No. 10 with the attached revised Sheet No. 10.

4. SHEET NO. 15--ELECTRICAL DETAILS I

REPLACE the existing Sheet No. 15 with the attached revised Sheet No. 15.

5. SHEET NO. 17--ELECTRICAL DETAILS III

REPLACE the existing Sheet No. 17 with the attached revised Sheet No. 17.

6. SHEET NO. 18--ELECTRICAL DETAILS IV

REPLACE the existing Sheet No. 18 with the attached revised Sheet No. 18.

7. SHEET NO. 19--ELECTRICAL VAULT DETAILS I

REPLACE the existing Sheet No. 19 with the attached revised Sheet No. 19.

**BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE
SPACE PROVIDED IN THE BID FORM**

Dated at Brenham, Texas
November 8, 2022



STRAND ASSOCIATES, INC.®
TBPE No. F-8405
TBPLS No. 10030000
1906 Niebuhr Street
Brenham, TX 77833



Agenda
Nonmandatory Prebid Conference
2022 Airport Electrical Improvements
Contract No. 2114MASON
Mason County, Texas
November 2, 2022, 10 A.M.

1. Introduction
 2. General Project Description and Overview
 - a. Project Description
 - b. Historically Underutilized Business (HUB) Requirements
 - c. Delivery of Sealed Bids
 - d. General Provisions
 3. Addenda
- c: All Participants



Minutes
Nonmandatory Prebid Conference
2022 Airport Electrical Improvements
Contract No. 2114MASON
Mason County, Texas
November 2, 2022, 10 A.M.

1. Introduction of those Present–The following people were in attendance at the conference:

Present	Representing	Contact
Jerry Bearden, Mason County Judge	Mason County (Owner)	Tel: 325-347-5556 Cell: 325-347-4840 E-mail: county.judge@co.mason.tx.us
Don Daniel, Airport Advisory Panel	Mason County	Tel: 325-248-1502 E-mail: txgerdon@aol.com
Stephen Mutschink	Mason County	Tel: 325-347-2738 E-mail: stepmuts001@gmail.com
Mike Olguin	F&W Electrical Contractors (F&W)	Tel: 210-325-3202 E-mail: mike@fandwelectrical.com
Stephen Ray	F&W Electrical Contractors	Tel: 361-522-1020 E-mail: stephen@fandwelectrical.com
Nick Nugent	Royal Electric Company (Royal)	Tel: 916-291-4564 E-mail: nickn@royalelect.com
Ed Mayle	Texas Department of Transportation–Aviation Division (TxDOT)	Tel: 512-416-4528 Cell: 512-657-4076 E-mail: ed.mayle@txdot.gov
Eli Lopez	Texas Department of Transportation–Aviation Division	Tel: 512-416-4506 E-mail: eli.lopez@txdot.gov
Molly Goff	Strand Associates, Inc. [®] (Engineer)	Tel: 979-836-7937 E-mail: molly.goff@strand.com

2. General Project Description and Overview

- a. Project Description:
 - (1) Replace the low intensity runway light (LIRL) system with a medium intensity runway light (MIRL) system (including guide signs).
 - (2) Install electrical vault.
 - (3) Install precision approach path indicator (PAPI) L-881(L) system (both runway [RW] ends).
 - (4) Replace the existing wind cone and segmented circle.
 - (5) Replace the existing rotating beacon with tipdown beacon tower.
- b. Historically Underutilized Business (HUB) Requirements:
 - (1) The HUB goal is 11.2 percent.
 - (2) The bidder must submit an up-to-date HUB Subcontracting Plan (HSP) with its bid on the day of the bid opening. The HSP is included in the Project Manual.
 - (3) Contact Eli Lopez at 512-416-4506 if there are any questions regarding HUB requirements.
 - (4) Only HUBs can meet the HUB requirement.
- c. Sealed bids for the construction of Mason County Airport's (Airport) 2022 Airport Electrical Improvements project need to be addressed and delivered to Sheree Hardin, Administrative Assistant, 205 Westmoreland Street, Mason, TX 76856 or PO Box 1726, Mason, TX 76856-1726. Bids will be received until 2 P.M., November 16, 2022, and then publicly opened and read. Any bid received after the closing time will be returned unopened.

- (1) The bid opening will be held in the Stribling Room within the Mason County Library located at 410 Post Hill Street, Mason, TX 76856.

d. General Provisions:

- (1) Contract Time—120 calendar days for the base bid. The contractor will have an additional 90 calendar days for electrical material procurement.
- (2) Liquidated Damages—\$1,000.00 per calendar day.
- (3) Bid form shall be completed online, printed, and then signed with ink or the Bid will be considered nonresponsive.
- (4) Each bidder must be prequalified. Prequalification must be completed by Bid day.

3. Addenda

a. Addendum No. 1 will include the following:

- (1) Sign-in sheet.
- (2) Prebid Conference Agenda.
- (3) Issues or clarification from the Prebid Conference.

b. The deadline for contractor questions is November 7, 2022, and the Final Addendum is due November 9, 2022.

4. Questions and Comments from Nonmandatory Prebid Conference

- a. How thick should the vault walls be? There is not a specific thickness that needs to be met. The contractor shall work with the precast manufacturer to determine the necessary thickness needed.
- b. Is the intent to have two floors within the electrical vault? The precast walls shall attach to the cast-in-place concrete slab according to Vault Note 3 on Sheet 19. The joint between the walls and slab shall be weathertight.
- c. Are there any fees associated with making the connection to the pole-mounted transformer? According to Note 20 on Sheet 19, the contractor shall coordinate with Central Texas Electric Co-Op (CTEC) to determine whether any fees or permits are required.
- d. A panel box will be added to the project by change order.

If there are any additions or comments, please call 979-836-7937.

Prepared and respectfully submitted by Molly Goff.

Enclosure

c/enc: All Participants



Meeting Register
Nonmandatory Prebid Conference
2022 Airport Electrical Improvements
Contract No. 2114MASON
November 2, 2022, 10 A.M.

Please verify your contact information. If it is correct, please check the box (☐) to the left. If updates are necessary, or if you have not previously provided this information, please print your information in the spaces provided.

	Name/Representing	Mailing Address	Contact Information
<input type="checkbox"/>	Molly Goff Strand Associates, Inc.	1906 Niebuhr Street Brenham, TX 77833	Phone No.: 979-836-7937 Cell No.: Fax No.: E-mail: molly.goff@strand.com
<input type="checkbox"/>	Nick Nugent Royal Electric Company	8481 Carlsbad Ct. Sacramento CA, 95828	Phone No.: 916-291-4564 Cell No.: Fax No.: E-mail: nickn@royalelect.com
<input type="checkbox"/>	Stephen Ray F+W Electrical Contractors	6880 US Hwy 191 N., Floresville, TX 78114	Phone No.: 361-522-1020 Cell No.: Fax No.: E-mail: stephen@fandwelectrical.com
<input type="checkbox"/>	Mike Olguin F+W Electric	6880 Hwy 191 N. Floresville, TX 78114	Phone No.: 210-325-3202 Cell No.: Fax No.: E-mail: Mike@fandwelectrical.com
<input type="checkbox"/>	Ed Mayle TXDOT, AVN		Phone No.: 512-416-4528 Cell No.: " 657-4076 Fax No.: " 416-4510 E-mail: ed.mayle@txdot.gov
<input type="checkbox"/>	Jerry Bearden Mason County Judge		Phone No.: 325-347-5556 Cell No.: 325-347-4810 Fax No.: 325-347-6868 E-mail: County.judge@co.mason.tx.us
<input type="checkbox"/>	DON DANIEL Apt Advisory Panel		Phone No.: 325 248 1502 Cell No.: Fax No.: E-mail: txgendon@aol.com
<input type="checkbox"/>	Stephen Mutschink	P.O. Box 90 AM, TX 76820	Phone No.: 325-347-2738 Cell No.: Fax No.: E-mail: stepmuts001@gmail.com



Meeting Register
Nonmandatory Prebid Conference
2022 Airport Electrical Improvements
Contract No. 2114MASON
November 2, 2022, 10 A.M.

Name/Representing		Mailing Address	Contact Information
<input type="checkbox"/>	Eli Lopez TXDOT Aviation	(phone)	Phone No.: 512-416-4506 Cell No: _____ Fax No.: _____ E-mail: _____
<input type="checkbox"/>	_____		Phone No.: _____ Cell No: _____ Fax No.: _____ E-mail: _____
<input type="checkbox"/>	_____		Phone No.: _____ Cell No: _____ Fax No.: _____ E-mail: _____
<input type="checkbox"/>	_____		Phone No.: _____ Cell No: _____ Fax No.: _____ E-mail: _____
<input type="checkbox"/>	_____		Phone No.: _____ Cell No: _____ Fax No.: _____ E-mail: _____
<input type="checkbox"/>	_____		Phone No.: _____ Cell No: _____ Fax No.: _____ E-mail: _____
<input type="checkbox"/>	_____		Phone No.: _____ Cell No: _____ Fax No.: _____ E-mail: _____

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MASON COUNTY AIRPORT
2022 AIRPORT ELECTRICAL IMPROVEMENTS
TxDOT CSJ NO. 2114MASON
SA JOB NO. 4494.001
PROJECT QUANTITIES

PAY ITEM	FAA/TxDOT ITEM	DESCRIPTION	UNITS	ESTIMATED QUANTITY	FINAL QUANTITY
Base Bid: Replace LIRL system with MIRL system including guide signs; Install electrical vault; Install PAPI L-881(L) systems (both RW ends); Replace existing wind cone and segmented circle; and replace existing rotating beacon with tipdown beacon tower.					
1	Section 105	Mobilization	LS	1	
2	Special	Install runway closure markers	LS	1	
3	SS-G-700	Remove and dispose of existing stake-mounted runway threshold lighting fixture	EA	12	
4	SS-G-700	Remove and dispose of existing stake-mounted runway edge lighting fixture	EA	37	
5	SS-G-700	Remove and dispose of existing beacon (including mounting materials)	LS	1	
6	SS-G-700	Remove and dispose of existing 12-foot lighted wind cone (including concrete foundation)	LS	1	
7	SS-G-700	Remove and dispose of existing segmented circle	LS	1	
8	SS-L-102	L-867 can (size B)(in concrete) for junction box	EA	26	
9	L-101	L-802A(L) LED high-intensity rotating beacon	EA	1	
10	L-103	Tipdown beacon tower and foundation	EA	1	
11	L-107	Segmented circle marker, in place	EA	1	
12	L-107	L-807(L) 12-foot internally-lit LED wind cone with L-810 LED obstruction light	EA	1	
13	L-108	No. 6 AWG solid bare counterpoise wire, installed in trench, above the conduit, including ground rods and connectors	LF	13,175	
14	L-108	No. 6 type C, 600V power cables and No. 6 XHHW, 600V ground, installed in conduit, for PAPIs	LF	5,240	
15	L-108	No. 6 type C, 600V power cables and No. 6 XHHW, 600V ground, installed in conduit, for Beacon	LF	30	
16	L-108	No. 8 type C, 5 kV, L-824 power cable, installed in conduit, for MIRL circuit	LF	9,620	
17	L-109	Furnish and install new precast concrete electrical vault on concrete foundation; furnish and install new electrical equipment; and place into service all new airfield lighting systems	LS	1	
18	L-109	Provide and install a new 2.5-kw 3-step L-828 CCR-Ferroresonant regulator for MIRL circuit	LS	1	
19	L-110	Non-Encased, Electrical PVC Conduit (Type 1), 2-inch in a single trench	LF	12,120	
20	L-110	Non-Encased, Electrical PVC Conduit (Type 1), Two 2-inch in a shared trench	LF	1,060	
21	TxDOT 476	4-inch PVC Conduit by bore	LF	300	
22	SS-L-116A-SW	Can-mounted L-861(L) MIRL (Size B can)	EA	36	
23	SS-L-116A-SW	Can-mounted L-861 SE(L) MIRL (Size B can)	EA	16	
24	SS-L-117A-SW	L-858(L) base mounted (in concrete) internally-lit guide sign (Size 1)(1 module)	EA	2	
25	SS-L-740	L-881(L) PAPI (RW 36 end)(Style A)(Class I) with two 3- or 4-leg light units	LS	1	
26	SS-L-740	L-881(L) PAPI (RW 18 end)(Style A)(Class I) with two 3- or 4-leg light units	LS	1	
27	SS-L-740	PAPI integrated digital level with personalized instructions in kit usage	LS	1	
28	TxDOT 162	Sodding for erosion control (Block sod)(Bermuda grass)	SY	1,600	
29	TxDOT 164	Broadcast Seeding (temp)(warm or cool)	SY	17,000	
30	TxDOT 164	Cellulose fiber mulch seeding (perm)(rural)(clay)	SY	17,000	
31	TxDOT 168	Vegetative watering	MG	2,770	

PAY ITEM NOTES:

- FAA/TxDOT ITEMS DENOTED AS "SPECIAL" REFERENCE PLAN SHEET DETAILS AND/OR NOTES ONLY, AND DO NOT REFERENCE ANY SPECIFICATION INCLUDED IN THE CONTRACT DOCUMENTS.
- ITEMS NOT SPECIFICALLY LISTED ON THE BID FORM ARE CONSIDERED SUBSIDIARY TO RELATED ITEMS OF WORK.



DATE:	11/8/22				
REVISIONS					
	ADDENDUM NO. 1				
NO.	1				

QUANTITIES
MASON COUNTY AIRPORT
2022 AIRPORT ELECTRICAL IMPROVEMENTS

JOB NO.
4494.001

PROJECT MGR.
JE

TBPE No. F-8405

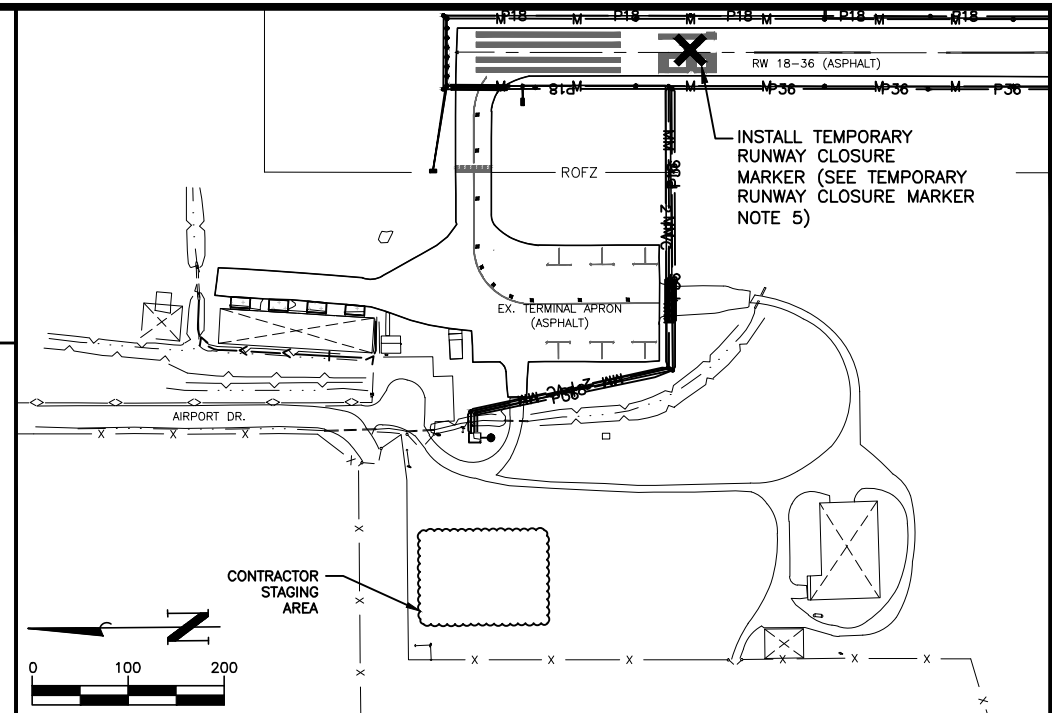

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SHEET
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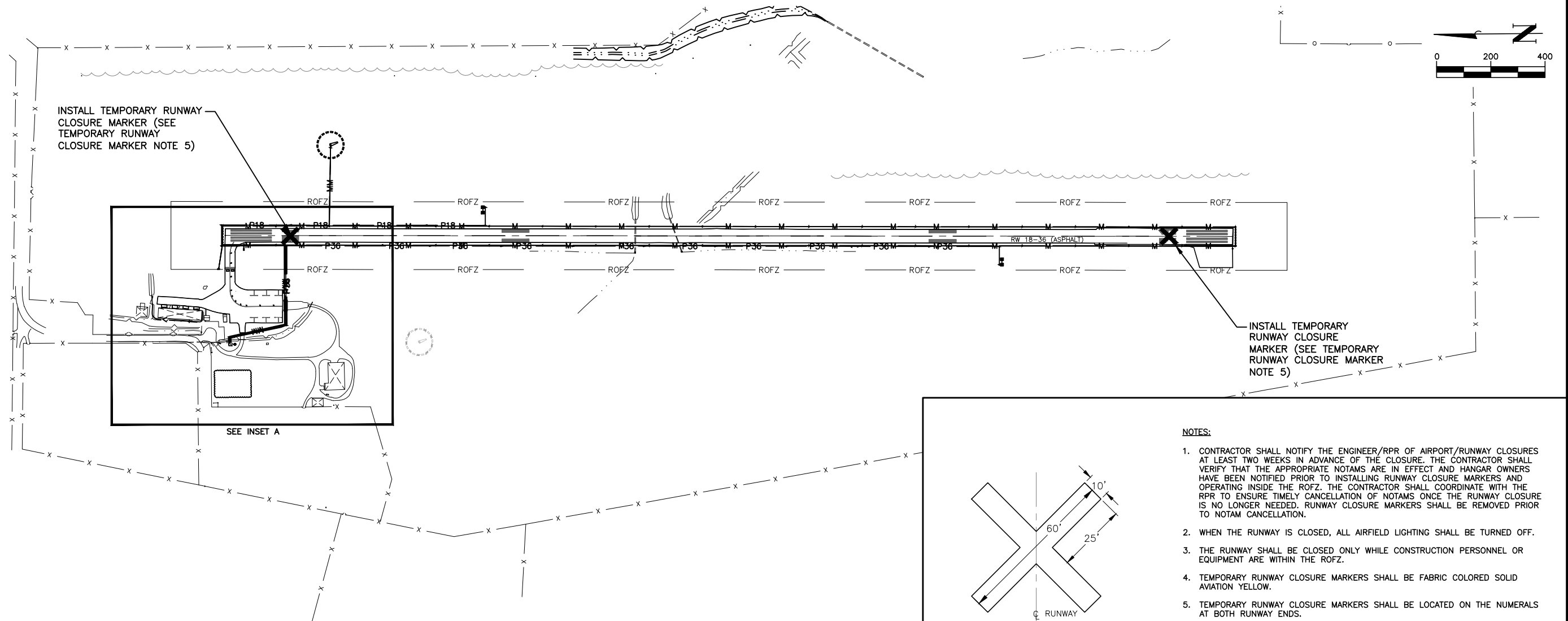
1. RUNWAY CLOSURE MARKERS SHALL BE INSTALLED/REMOVED AS NEEDED BASED ON WORK BEING PERFORMED WITHIN THE ROFZ SEE "PROJECT GENERAL NOTES" FOR MORE INFORMATION ON AIRPORT CONSTRUCTION SAFETY.

3. THESE CONSTRUCTION PHASES ARE PRELIMINARY. CONTRACTOR SHALL PROVIDE THE ENGINEER A PRELIMINARY PROJECT CONSTRUCTION SCHEDULE, BY PHASE, AT LEAST 4 DAYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE. THIS SCHEDULE WILL BE REVIEWED BY TXDOT, AIRPORT OPERATOR, AND ENGINEER, THEN DISCUSSED AT THE PRE-CONSTRUCTION CONFERENCE. A FINAL DETAILED PROJECT SCHEDULE, BROKEN DOWN BY PHASE, IS REQUIRED TO BE SENT TO THE ENGINEER NO LATER THAN 10 CALENDAR DAYS AFTER THE NOTICE TO PROCEED DATE.
4. ALL HANGAR OWNERS/TENANTS SHALL BE NOTIFIED BY THE AIRPORT OPERATOR A MINIMUM OF 2 WEEKS PRIOR TO START OF CONSTRUCTION TO ALLOW RELOCATION OF AIRCRAFT. CONTRACTOR SHALL GIVE THE AIRPORT OPERATOR SUFFICIENT NOTICE TO BEGIN CONTACTING HANGAR OWNERS/TENANTS.
5. CONTRACTOR SHALL MEET ALL REQUIREMENTS AS SET FORTH IN FAA AC 150/5370-2, LATEST EDITION, RELATIVE TO MAINTAINING A SAFE ENVIRONMENT WITHIN THE ROFZ.

1. A NOTAM MUST BE FILED PRIOR TO CLOSING THE RW.
2. CLOSE RW 18-36.
3. DEMOLISH THE EXISTING AIRFIELD ELECTRICAL SYSTEM AS SHOWN IN THE PLANS, INSIDE RW 18-36 ROFZ.
4. INSTALL NEW AIRFIELD ELECTRICAL SYSTEM, INSIDE RW 18-36 ROFZ. THIS INCLUDES MIRLS, PAPIS, SIGNS, AND CONDUIT AND WIRING.
5. MAKE AIRFIELD ELECTRICAL SYSTEM OPERATIONAL PRIOR TO REOPENING RW 18-36 FOR NIGHT OPERATIONS. HOWEVER, PAPIS SHALL BE OFF UNTIL FLIGHT CHECK IS PERFORMED AND PAPIS ARE APPROVED BY FAA. CONTRACTOR SHALL BE ON-SITE THE DAY OF THE FLIGHT CHECK TO ADJUST THE PAPIS AS DEEMED NECESSARY BY FAA. CONTRACTOR SHALL HAVE A RADIO ON-SITE TO COMMUNICATE WITH THE FAA FLIGHT CHECK PILOT (NO SEPARATE PAY).
6. OPEN RW 18-36 AND ENERGIZE RW 18-36 MIRLS, PAPIS, AND SIGNS AS WELL AS NEW BEACON AND WIND CONE.



INSET A



**TEMPORARY RUNWAY
CLOSURE MARKER**

N

1. CONTRACTOR SHALL NOTIFY THE ENGINEER/RPR OF AIRPORT/RUNWAY CLOSURES AT LEAST TWO WEEKS IN ADVANCE OF THE CLOSURE. THE CONTRACTOR SHALL VERIFY THAT THE APPROPRIATE NOTAMS ARE IN EFFECT AND HANGAR OWNERS HAVE BEEN NOTIFIED PRIOR TO INSTALLING RUNWAY CLOSURE MARKERS AND OPERATING INSIDE THE ROFZ. THE CONTRACTOR SHALL COORDINATE WITH THE RPR TO ENSURE TIMELY CANCELLATION OF NOTAMS ONCE THE RUNWAY CLOSURE IS NO LONGER NEEDED. RUNWAY CLOSURE MARKERS SHALL BE REMOVED PRIOR TO NOTAM CANCELLATION.
2. WHEN THE RUNWAY IS CLOSED, ALL AIRFIELD LIGHTING SHALL BE TURNED OFF.
3. THE RUNWAY SHALL BE CLOSED ONLY WHILE CONSTRUCTION PERSONNEL OR EQUIPMENT ARE WITHIN THE ROFZ.
4. TEMPORARY RUNWAY CLOSURE MARKERS SHALL BE FABRIC COLORED SOLID AVIATION YELLOW.
5. TEMPORARY RUNWAY CLOSURE MARKERS SHALL BE LOCATED ON THE NUMERALS AT BOTH RUNWAY ENDS.
6. TEMPORARY RUNWAY CLOSURE MARKERS SHALL REMAIN THE PROPERTY OF THE AIRPORT UPON PROJECT COMPLETION.



DATE: 11/8/22

ADDENDUM NO. 1

NO.	1
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CSPP (CLOSED RUNWAY)

MASON COUNTY AIRPORT 2022 AIRPORT ELECTRICAL IMPROVEMENTS

JOB NO.

4494.001

PROJECT MGR.

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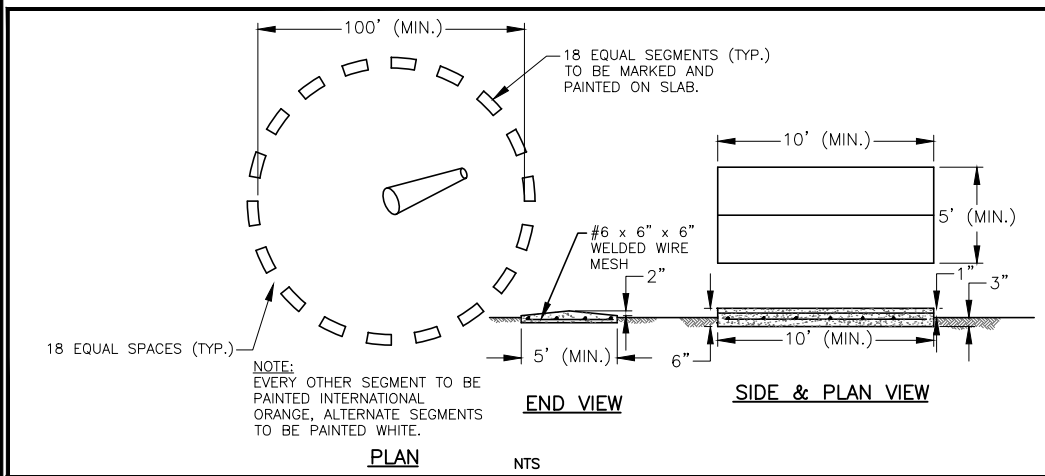
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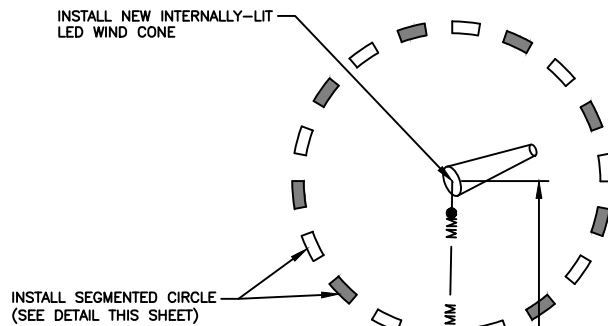
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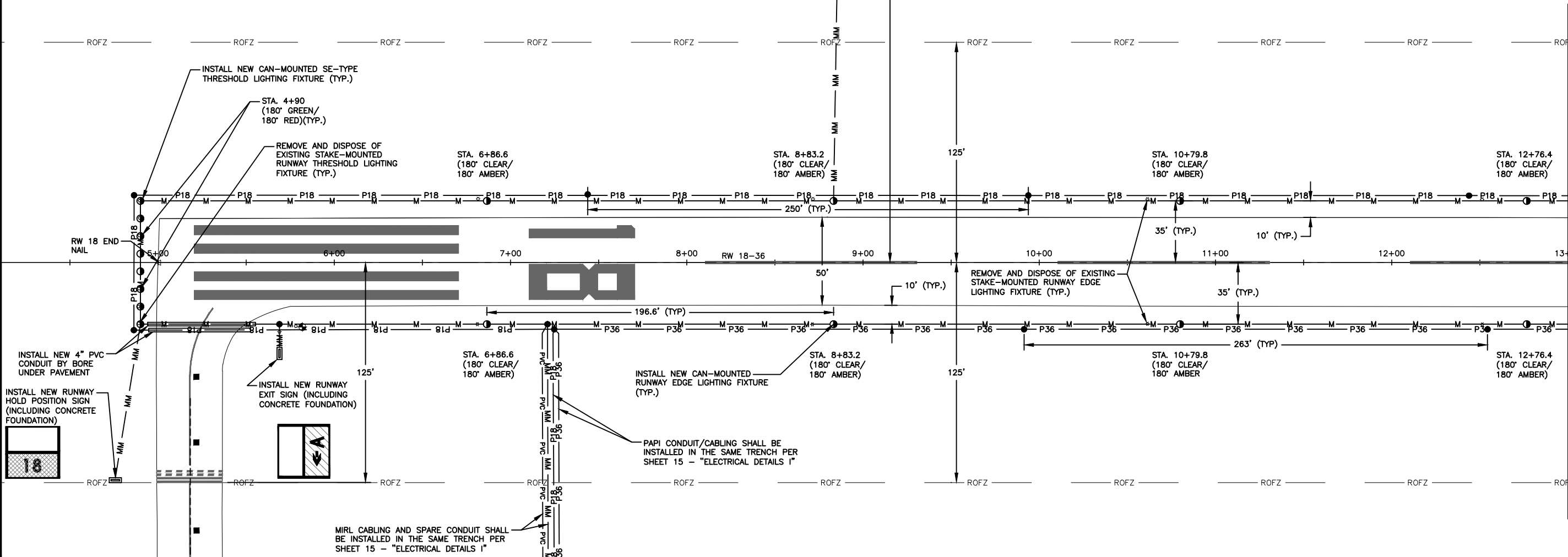
- NOTES:**
1. ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN IN ASSUMED LOCATIONS BASED ON BEST AVAILABLE INFORMATION. LOCATIONS AND PRESENCE OF ALL LINES ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO TRENCHING IN ALL AREAS. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE PROVIDED DATA.
 2. ONLY FIELD ATTACHED PLUG-IN SPLICES SHALL BE ALLOWED ON THIS PROJECT.
 3. L-867 CANS NOT ASSOCIATED WITH A PARTICULAR LIGHT FIXTURE, BUT USED AS JUNCTION BOXES, SHALL BE PAID FOR BY THE EACH UNDER ITEM SS-L-102.
 4. ALL STATIONS AND OFFSETS ARE FROM THE RUNWAY CENTERLINE.



CABLE LEGEND	
M — M	INSTALL NEW MRL CABLING (1-#8 TYPE C 5KV POWER CABLE IN A 2" PVC CONDUIT) AND 1-#6 BARE SOLID COPPER COUNTERPOISE, ALL IN A SINGLE TRENCH
MM — MM	INSTALL NEW MRL CABLING (2-#8 TYPE C 5KV POWER CABLES IN A 2" PVC CONDUIT) AND 1-#6 BARE SOLID COPPER COUNTERPOISE, ALL IN A SINGLE TRENCH PER PLANE, ALL IN A SINGLE TRENCH UNLESS OTHERWISE NOTED.
P18	NEW RW 18 END PAPI CABLING (2-#6 TYPE C 600V POWER CABLES AND 1-#6 XHHW 600V GROUND IN A 2" CONDUIT) AND 1-#6 BARE SOLID COPPER COUNTERPOISE, ALL IN A SINGLE TRENCH PER PLANE, ALL IN A SINGLE TRENCH UNLESS OTHERWISE NOTED.
P36	NEW RW 36 END PAPI CABLING (2-#6 TYPE C 600V POWER CABLES AND 1-#6 XHHW 600V GROUND IN A 2" CONDUIT) AND 1-#6 BARE SOLID COPPER COUNTERPOISE, ALL IN A SINGLE TRENCH PER PLANE, ALL IN A SINGLE TRENCH UNLESS OTHERWISE NOTED.
PVC	INSTALL NEW L-867 CAN (SIZE B) (IN CONCRETE) FOR JUNCTION BOX.
PVC	SPARE 2" CONDUIT

*NOTE: WHERE CABLES ARE IN A SHARED TRENCH, ONLY (1) COUNTERPOISE WIRE MAY BE REQUIRED, PER SPECIFICATION AND DETAIL ON SHEET 15. ONLY ONE COUNTERPOISE WIRE WILL BE PAID WHERE THIS IS THE CASE, AS DETERMINED BY THE ENGINEER.

LIGHT LEGEND	
CLEAR/GREEN	AMBER/RED
NOTE SPECIFIC	
SIGN BACKGROUND COLOR LEGEND	
	YELLOW BACKGROUND/BLACK TEXT
	RED BACKGROUND/WHITE TEXT WITH BLACK OUTLINE
	BLANK



MATCHLINE SEE SHEET "ELECTRICAL PLAN II"

SEE SHEET "ELECTRICAL PLAN III"

STATE OF TEXAS

RICHARD GERARD THIMM

123925

LICENSED

PROFESSIONAL ENGINEER

Exp 6/30/23

11/8/22

DATE: 11/8/22

REVISIONS

ADDENDUM NO. 1

NO. 1

ELECTRICAL PLAN I

MASON COUNTY AIRPORT

2022 AIRPORT ELECTRICAL IMPROVEMENTS

JOB NO. 4494.001

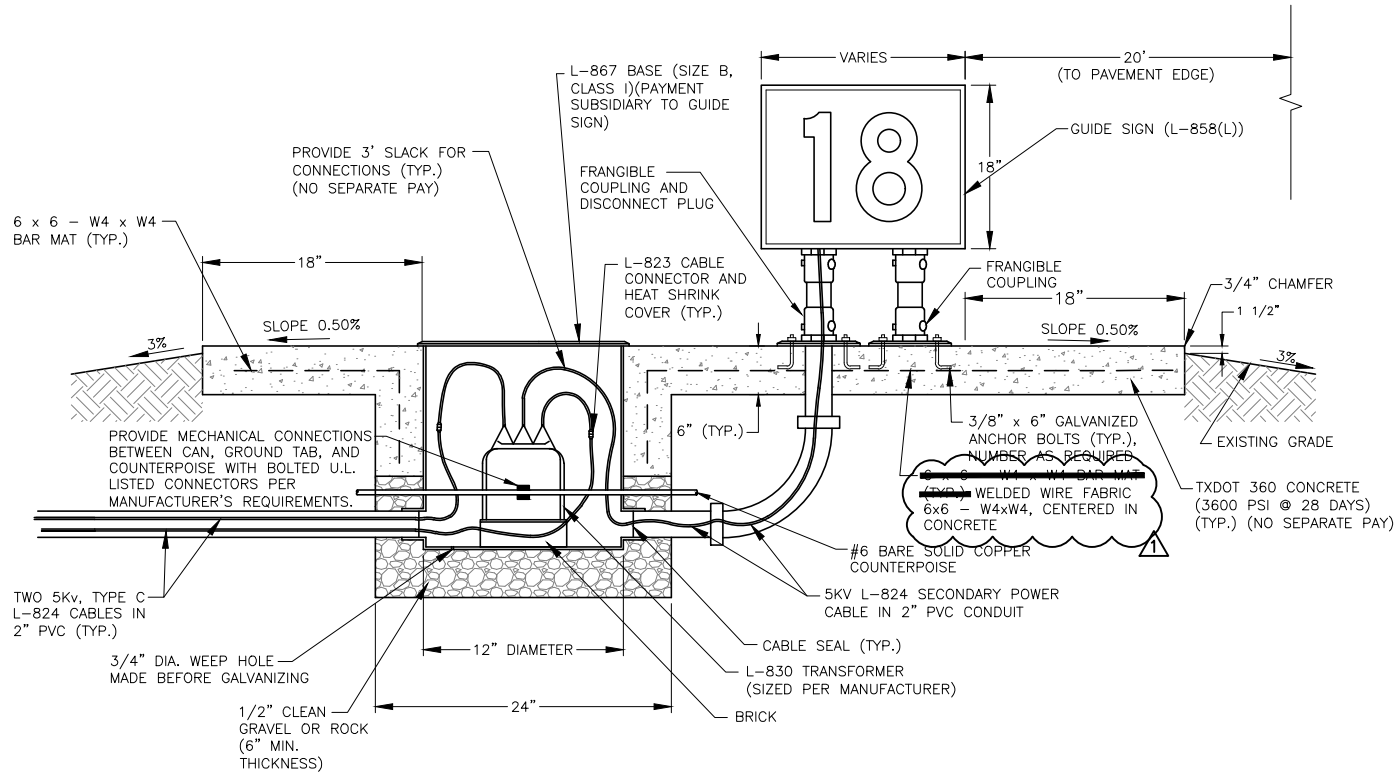
PROJECT MGR. JE

TBPE No. F-8405

STRAND ASSOCIATES

SHEET 10

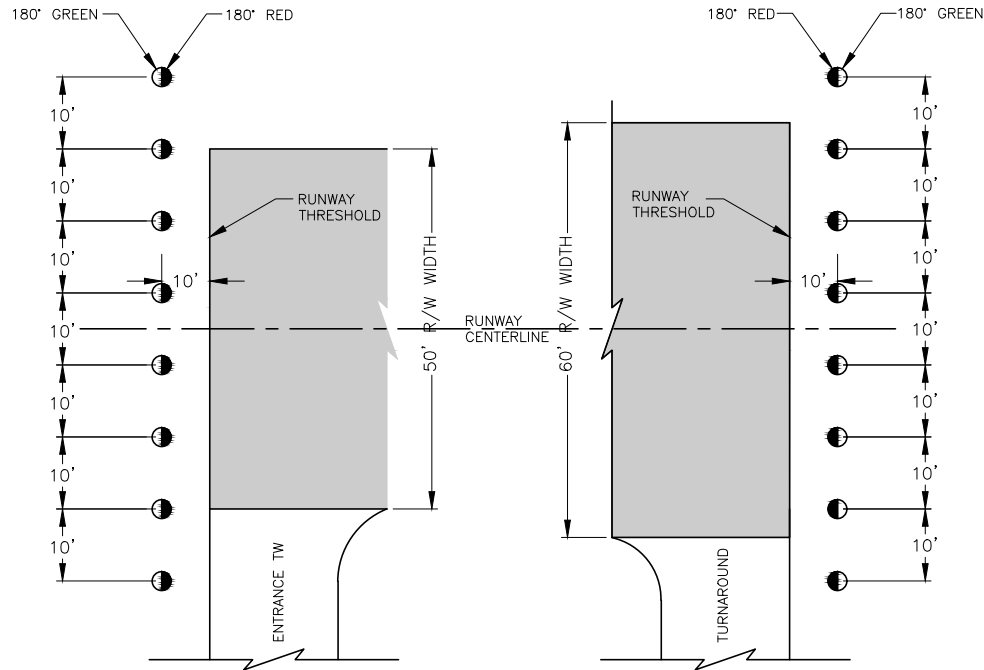
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**LED CAN-MOUNTED RUNWAY GUIDE SIGN DETAIL
(IN CONCRETE)**

NOTES:

1. THE RUNWAY GUIDE SIGN FIXTURES SHALL HAVE PROVISIONS FOR LEVELING AFTER INSTALLATION.
2. RUNWAY HOLD POSITION SIGN FACE SHALL BE TYPE L-858R. THE BACK SIDE OF THE SIGN SHALL CONTAIN A BLANK PANEL.
3. RUNWAY EXIT SIGN FACE SHALL BE TYPE L-858Y. THE BACK SIDE OF THE SIGN SHALL CONTAIN A BLANK PANEL.
4. SIGN SHALL BE SIZE 1, STYLE 2, CLASS 1, MODE 2 UNIT, AND SHALL INCLUDE EXTERNAL POWER DISCONNECT.
5. SIGNS TO BE PAID FOR UNDER SS-L-117A-SW, "L-858(L) BASE MOUNTED (IN CONCRETE) INTERNALLY-LIT GUIDE SIGN (SIZE 1)(1 MODULE)".
6. THERE WILL BE NO SEPARATE PAYMENT FOR THE CANS ASSOCIATED WITH GUIDE SIGNS. L-867 CANS (SIZE B, CLASS I) REQUIRED.
7. CONCRETE SLAB EDGES SHALL BE AT LEAST 18" FROM ALL SIGN EDGES IN PLAN VIEW.
8. IN LIEU OF CASTING IN PLACE THE L-867 BASE CANS, THE CONTRACTOR MAY PRECAST THEM IN CONCRETE (6" MINIMUM THICKNESS WITH WELDED WIRE FABRIC 6x6 - W4xW4, CENTERED IN CONCRETE) ON THE SIDES AND ACROSS THE BOTTOM OF THE CANS BEFORE INSTALLATION OF THE SIGN. THE SIGN SHALL BE SET ON A 6-INCH THICK GRAVEL OR ROCK BEDDING OF 24-INCH MINIMUM DIAMETER. EXCAVATED MATERIAL MAY BE USED AS BACKFILL AROUND THE UNITS AND SHALL BE COMPACTED TO A DENSITY EQUAL TO OR GREATER THAN THE SURROUNDING UNDISTURBED SOIL.
9. ALL CONCRETE FOUNDATIONS FOR GUIDE SIGNS SHALL BE SLOPED AWAY FROM GUIDE SIGN BASE AT 0.50% (MIN.).
10. PROVIDE SIGN TETHER(S) PER FAA REQUIREMENTS.



**RUNWAY 18 END
THRESHOLD LIGHT LOCATIONS**

**RUNWAY 36 END
THRESHOLD LIGHT LOCATIONS**



DATE:	11/8/22								
REVISIONS									
NO.	1								
ADDENDUM NO.	1								

ELECTRICAL DETAILS IV

**MASON COUNTY AIRPORT
2022 AIRPORT ELECTRICAL IMPROVEMENTS**

JOB NO.

4494.001

PROJECT MGR.

JE

TBPE No. F-8405



SHEET

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