

September 9, 2019

To: Plan Holders for Improvements to the  
Kennett Regional Airport  
Kennett, Missouri  
MoDOT Project No. 19-079C-1

Transmitted herewith is Addendum No. 1 to the Issued for Bid Contract Documents, Specifications, and Plans dated August 19, 2019, for improvements to the Kennett Regional Airport Schedule I, Runway 2/20 lighting system rehabilitation; Schedule II, Navigation Aids Rehabilitation; and Schedule III, Taxiway A Lighting, including:

- Addendum No. 1 Plan Sheet Updates
- Pre-Bid Conference Minutes
- Questions asked are answered and minor clarifications are provided within the Pre-Bid Minutes
- The Pre-Bid meeting sign-in sheet

As a reminder, bids are due Thursday, September 12, 2019 at 2:00 PM.

Sincerely,

Jviation, Inc.



Zach Ambariantz, P.E.

Project Engineer

**ADDENDUM NO. 1  
TO  
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS  
FOR IMPROVEMENTS TO THE  
KENNETT MEMORIAL AIRPORT  
KENNETT, MISSOURI  
PROJECT NO. 19-079C-1**

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of September 9, 2019:

**1. PLANS**

**E203/E204/E205/E207: Runway light fixture lense color change.**

*Justification: The lense colors for the runway light fixtures were updated to show the correct orientation of the clear/yellow lenses.*

**E251: Detail 7 – Note 2 was added to the detail. The note adds a transformer to the Runway 20 PAPI installation.**

*Justification: The existing transformer was removed and a new transformer is needed to step down the voltage from the vault building to 240V.*

**E251: Detail 8 – Note was added to show that incandescent PAPIs will be acceptable.**

*Justification: Incandescent PAPIs will be acceptable on this project.*

**E254: Detail 15 – Note was added to the detail. The note adds rewiring work for the Contractor to perform for the RW 20 PAPI system.**

*Justification: The PAPI was rewired to remove the step-up transformer from the circuit. The Contractor will be required to rewire the circuit so that the existing step-up transformer is included in the circuit.*

**2. PRE-BID MEETING AGENDA**

The Pre-Bid Meeting Agenda, minutes and sign-in sheet are attached to this addendum.

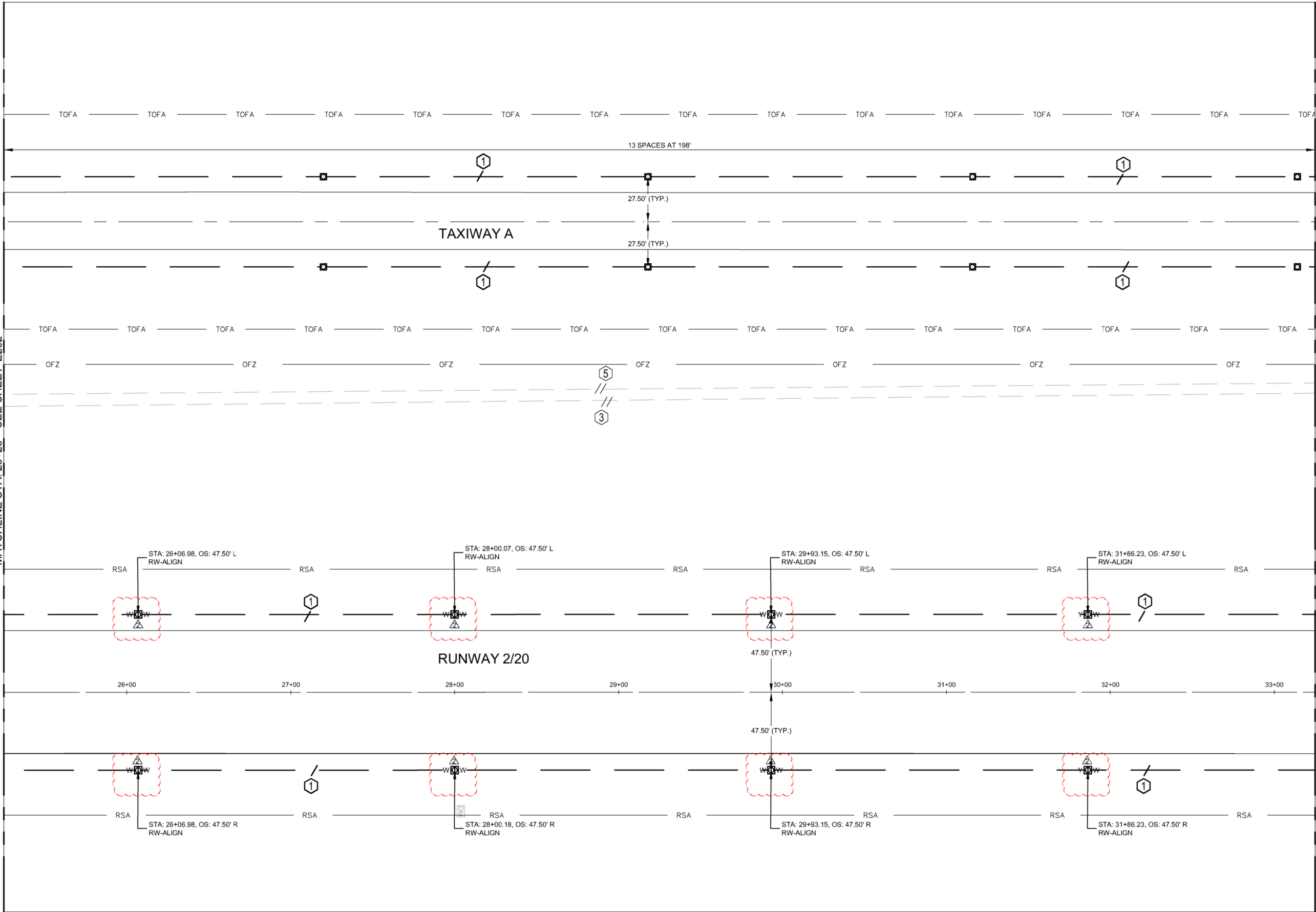
**3. QUESTIONS**

Questions asked and answered and minor clarifications are provided within the Pre-Bid Minutes.

**\*\* END OF ADDENDUM NO. 1 \*\***

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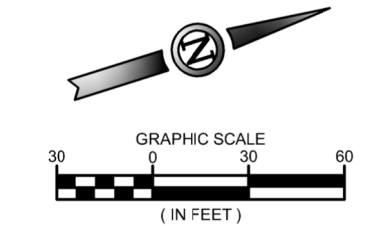
MATCHLINE STA. 25+25 - SEE SHEET E202



MATCHLINE STA. 33+25 - SEE SHEET E204

#### NOTES

1. SEE SHEETS E250 THRU E254 FOR ELECTRICAL DETAILS.
2. SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
3. CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES.
4. THE CONTRACTOR SHALL INSTALL NEW L-824C AIRFIELD LIGHTING CABLE IN THE EXISTING 3/4" HOMERUN UNIT DUCT FOR THE RUNWAY 2/20 CIRCUIT. ALL OTHER CIRCUITS WILL BE PROTECTED.



#### ISSUE FOR BID

BRYAN SCOT GREGORY 2006019659 8/19/19  
NAME REG. NO. DATE  
FOR AND ON BEHALF OF JVIATION, INC.

**JVIATION**

KENNETT MEMORIAL AIRPORT  
KENNETT, MISSOURI

DES:Z.A.C	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: E.H.M	1	BSG	8/19/19	ISSUED FOR BID
	2	BSG	9/9/19	ADDENDUM NO. 1
CH: C.L.G.				
APP: B.S.G.				

RUNWAY 2/20, NAVIGATIONAL AIDS,  
AND TAXIWAY A  
LIGHTING REHABILITATION

ELECTRICAL GEOMETRY PLAN  
STA. 25+25 TO STA. 33+25  
OFFSET 421' LT. TO 134' RT. RW-ALIGN

AIP PROJ. NO.  
19-079C-1

JVIATION PROJ. NO.  
2019.TKX.01

SHEET NAME

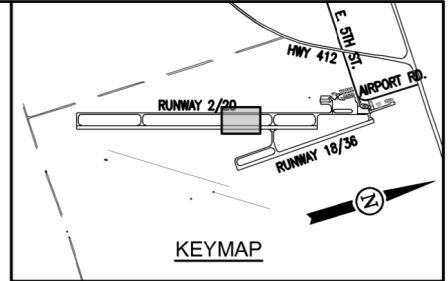
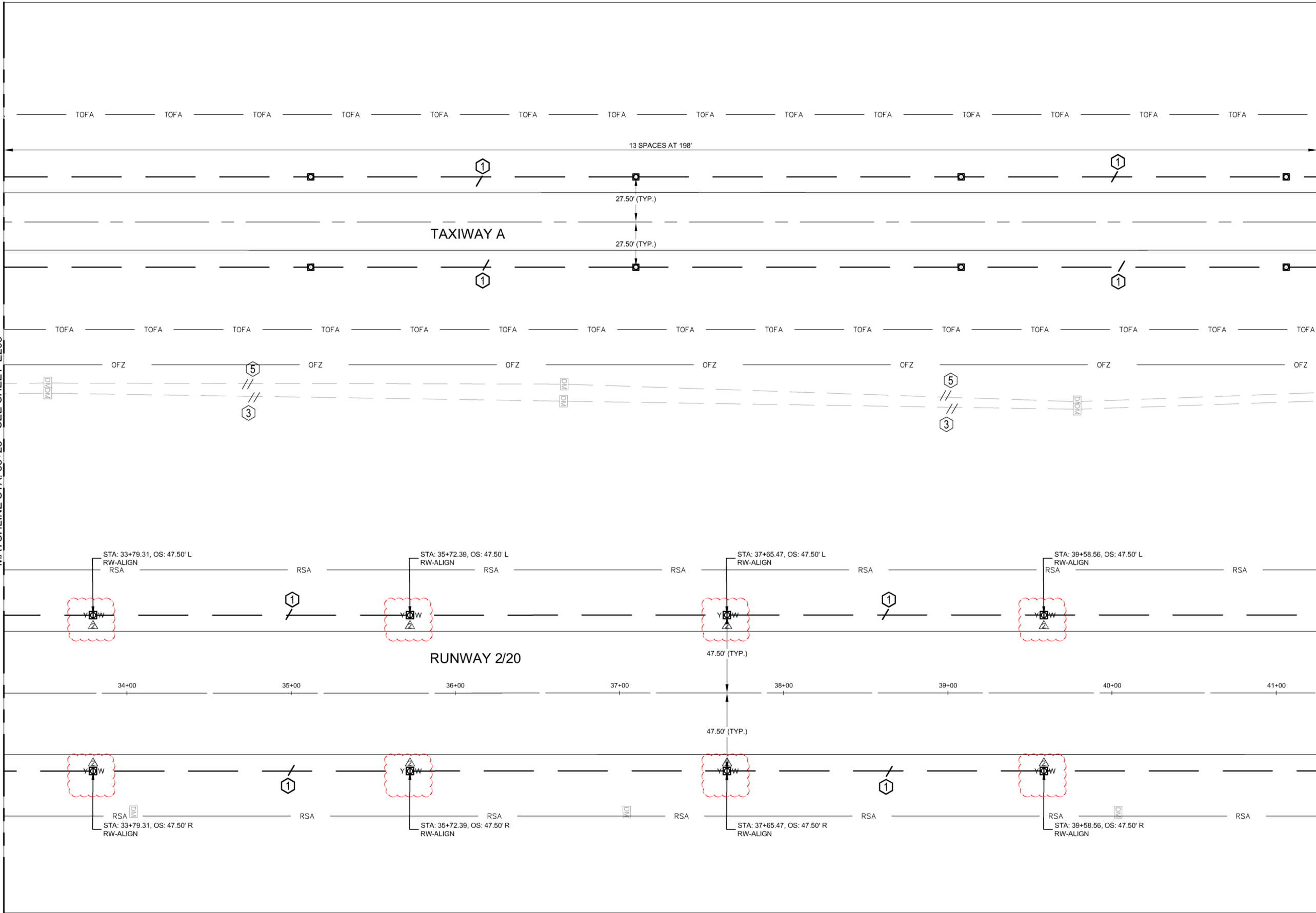
E203

SHEET NO.

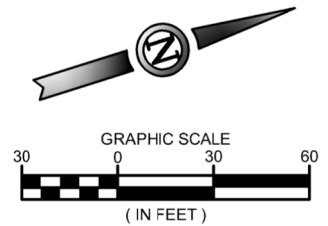
26 of 36

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MATCHLINE STA. 33+25 - SEE SHEET E203



- NOTES**
- SEE SHEETS E250 THRU E254 FOR ELECTRICAL DETAILS.
  - SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
  - CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES.
  - THE CONTRACTOR SHALL INSTALL NEW L-824C AIRFIELD LIGHTING CABLE IN THE EXISTING 3/4" HOMERUN UNIT DUCT FOR THE RUNWAY 2/20 CIRCUIT. ALL OTHER CIRCUITS WILL BE PROTECTED.



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AND TAXIWAY A  
LIGHTING REHABILITATION

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STA. 33+25 TO STA. 41+25  
OFFSET 421' LT. TO 134' RT. RW-ALIGN

AIP PROJ. NO. 19-079C-1 JVIATION PROJ. NO. 2019.TKX.01

SHEET NAME

E204

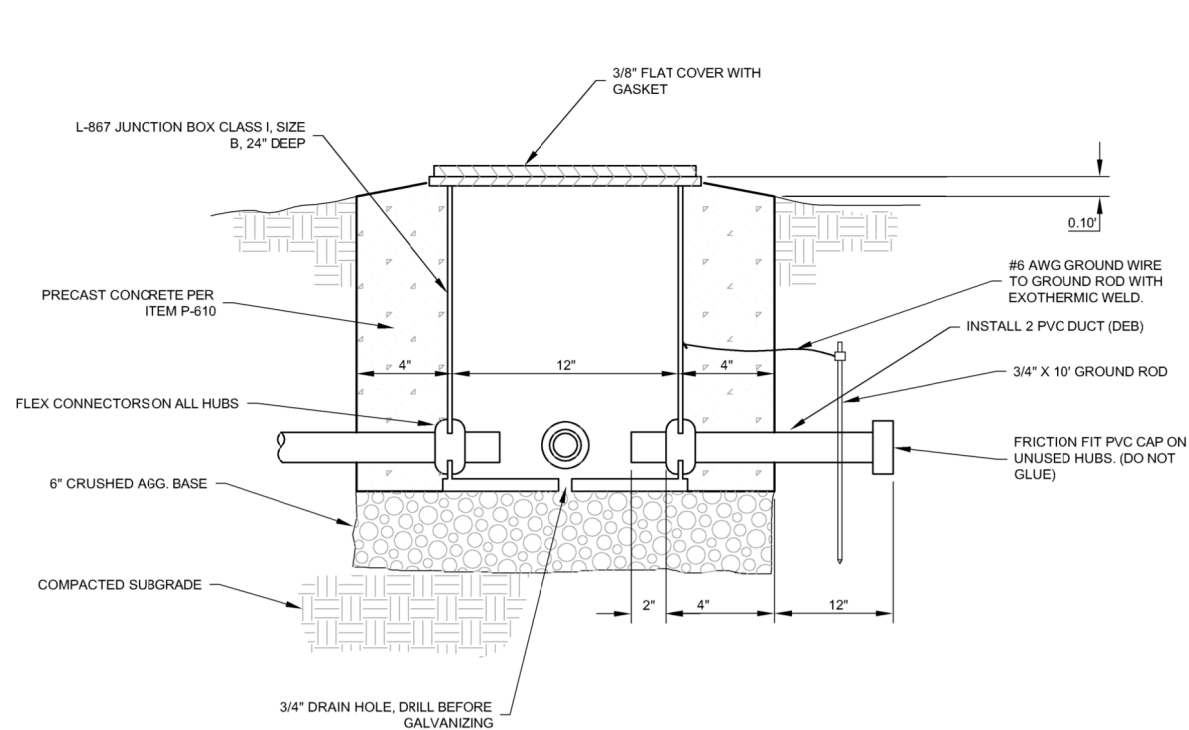
SHEET NO.

27 of 36

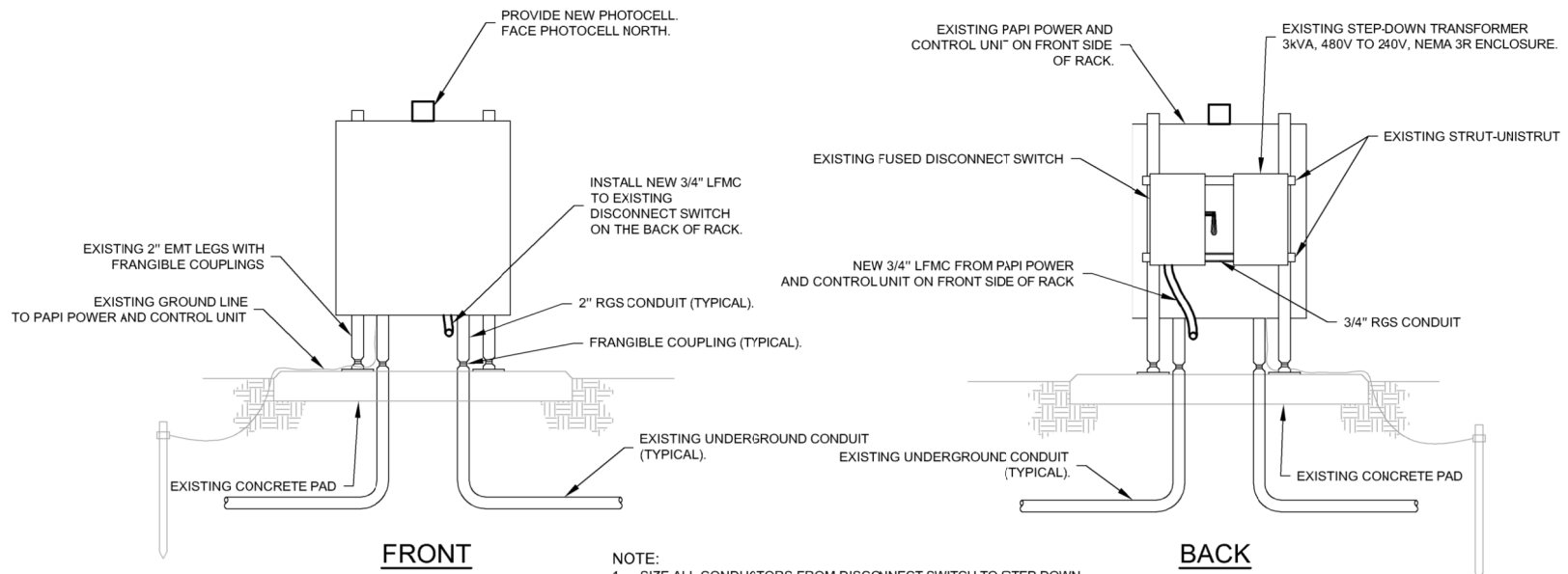




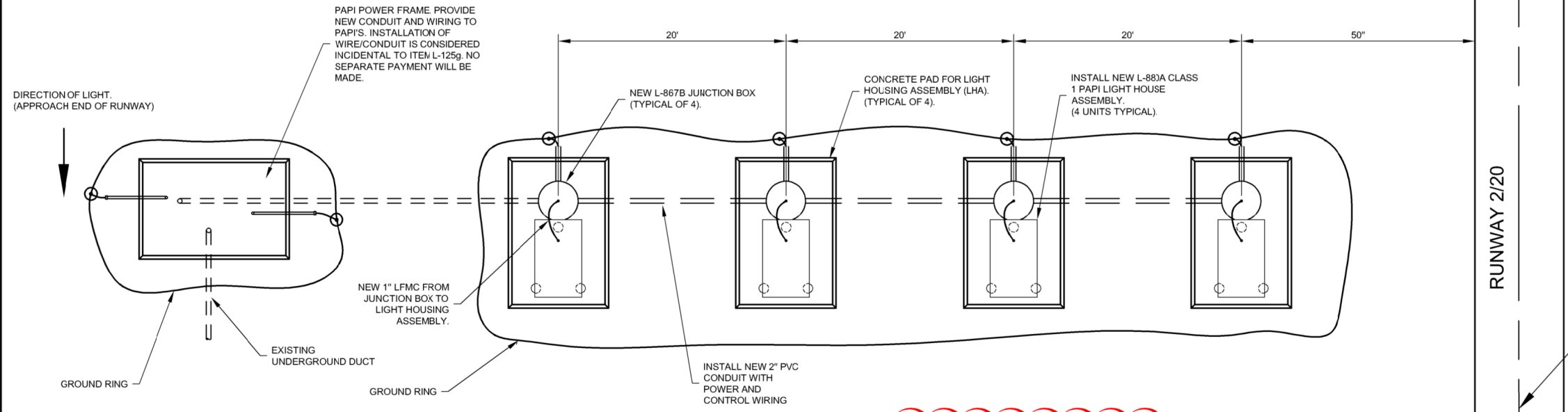




6 JUNCTION BOX DETAIL  
N.T.S.



7 PAPI POWER EQUIPMENT RACK DETAIL  
N.T.S.



8 PAPI LIGHT UNIT LAYOUT  
N.T.S.

NOTE:  
INCANDESCENT PAPI UNITS ARE ACCEPTABLE.

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RUNWAY 2/20, NAVIGATIONAL AIDS,  
AND TAXIWAY A  
LIGHTING REHABILITATION

AIP PROJ. NO. 19-079C-1	JVIATION PROJ. NO. 2019.TKX.01
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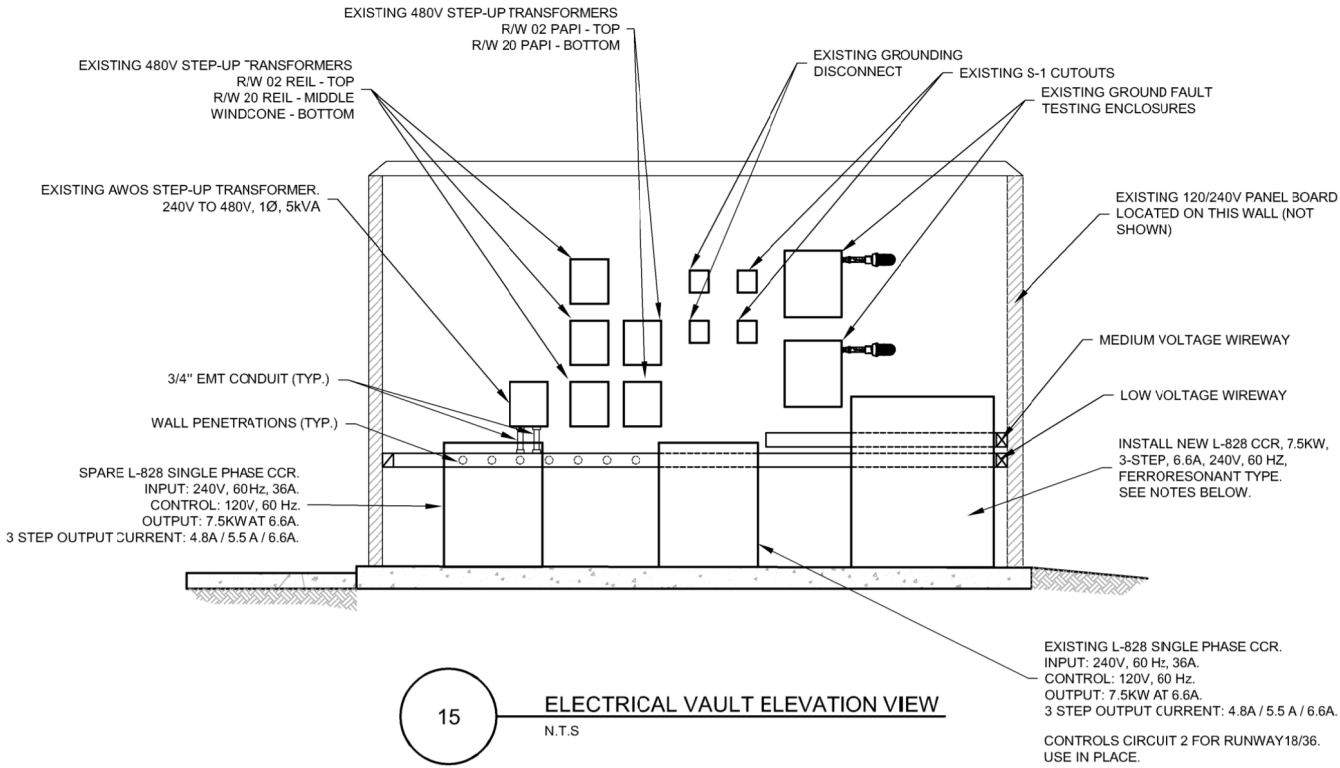
ELECTRICAL DETAILS

SHEET NAME  
E251

SHEET NO.  
33 of 36

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NOTES:

1. THE CONTRACTOR SHALL REMOVE THE EXISTING 10KW CCR AND DISPOSE OF IT OFF AIRPORT PROPERTY. REMOVAL IS CONSIDERED INCIDENTAL TO THE CCR INSTALLATION ITEM. NO SEPARATE PAYMENT WILL BE MADE.
2. THE CONTRACTOR SHALL REUSE EXISTING CONDUIT AND WIRING FOR NEW CCR INSTALLATION. IF NEW CONDUIT AND WIRING IS REQUIRED IT SHALL BE CONSIDERED INCIDENTAL TO THE CCR INSTALLATION.
3. THE CONTRACTOR SHALL CONFIRM CONTROL WIRING FOR CCR PRIOR TO ORDERING.
4. CONTRACTOR SHALL REWIRE RUNWAY 20 PAPI CIRCUIT TO THE EXISTING RW 20 PAPI STEP-UP TRANSFORMER. TERMINATE THE EXISTING FIELD WIRING TO THE STEP-UP TRANSFORMER IN VAULT. REWIRING WORK SHALL BE INCIDENTAL TO PAPI BID ITEM.

CIRCUIT LOAD TABLE											
DESCRIPTION	UNIT LOAD	①		③		④		⑤		⑥	
		QUANTITY	TOTAL LOAD	QUANTITY	TOTAL LOAD	QUANTITY	TOTAL LOAD	QUANTITY	TOTAL LOAD	QUANTITY	TOTAL LOAD
L-861T T/W EDGE LIGHT	15	183	2745								
L-861 R/W EDGE LIGHT	21.5	47	1010.5								
L-861E R/W THRESHOLD LIGHT	17.9	16	286.4								
L-880A, CLASS 1, PAPI	450			4	1800	4	1800				
L-849V, STYLE E, LED REIL	171							2	342	2	342
CIRCUIT TOTAL VA			4041.9		1800		1800		342		342

16

CIRCUIT LOADING TABLE

N.T.S

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NAME REG. NO. DATE  
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JVIATION®

KENNETT MEMORIAL AIRPORT  
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DES:Z.A.C

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LIGHTING REHABILITATION

ELECTRICAL DETAILS

AIP PROJ. NO.  
19-079C-1

JVIATION PROJ. NO.  
2019.TKX.01

SHEET NAME

E254

SHEET NO.

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## Meeting Agenda – MINUTES IN RED

### Pre-Bid Conference

MoDOT Project No. 19-079C-1

Date: Wednesday, September 4, 2019, 11:00 A.M.

Location: Airport Conference Room, 400 Airport Road, Kennett, MO 63857

### 1. RECORDING OF ATTENDEES

- A. Recording of attendees, firm represented, address and phone number.
- B. Attendance list will be included as a project addendum

### 2. INTRODUCTIONS & PROJECT DESCRIPTION

- A. Airport Representatives – **Sam Jewell**
- B. Airport Engineering – Jviation, Inc.  
Bryan Gregory, Project Engineer
- C. Project Schedules  
Schedule I: Runway 2/20 Lighting Rehabilitation  
Schedule II: Navigational Aids Rehabilitation  
Schedule III: Taxiway A Lighting Rehabilitation
- D. Major Work Items:

Item No.	Item Description	Unit	Sch I ESTIMATE	Sch II ESTIMATE	Sch III ESTIMATE
C-105a	Mobilization	LS	1	1	1
L-108a	Install #8 AWG, L-824C, 5000V, Wire	LF	12,000	0	20,000
L-108b	Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations	LF	11,500	0	15,000
L-109a	Install New L-828 Constant Current Regulator, Ferroresonant Type	EA	1	0	0
L-110a	Install 1-2" SCH. 40 PVC Duct, Direct Earth Buried (DEB)	LF	10,500	0	14,000
L-115a	Install Electrical Junction Box, Complete	EA	0	0	10
L-125a	Remove Taxiway Edge Light, Complete	EA	0	0	124
L-125b	Remove Runway Edge Light, Complete	EA	47	0	0

L-125c	Remove Runway In-Pavement Edge Light	EA	1	0	0
L-125d	Install L-861T LED Taxiway Edge Light, Base Mounted	EA	0	0	183
L-125e	Install L-861 LED Runway Edge Light, Base Mounted	EA	47	0	0
L-125f	Remove PAPI System	EA	0	2	0
L-125g	Install L-880A LED PAPI System	EA	0	2	0
L-125h	Remove REIL System	EA	0	2	0
L-125i	Install L-849V LED REIL	EA	0	2	0
L-125j	Remove Runway Threshold Light	EA	16	0	0
L-125k	Install L-861E LED Runway Threshold Light, Base Mounted	EA	16	0	0

**3. BID OPENING DATE & TIME**

- A. Date: Thursday September 12, 2019 at 2:00 P.M. (Local Time)
- B. Mailed to: 200 Cedar Street  
Kennett, MO 63857
- C. Opened at: City of Kennett  
200 Cedar Street  
Kennett, MO 63857
- D. Bid security: 5% of bid amount – Section 1-2, Bid Security and Section 2-1, Item 4.
- E. Bid proposal: Section B (print, fill out, and submit Section B-1 thru B-21 pages).

**4. DBE GOALS**

- A. 0.0% of Contract Amount. A 0.0% DBE goal has been established for this contract; however, DBE participation is encouraged. All DBE firms must be on the MRCC Database. See Section 4 – Supplementary Provisions, Part B DBE Administration for DBE Requirements. **Report any DBE participation, but since the goal is 0%, it does not provide for any consideration when evaluating bids. This is not a MBE/WBE Goal. The minority and female participation goals are separate and do not need to be reported.**

**5. QUALIFICATION OF BIDDERS**

- A. Qualifications shall be furnished per Section 20-02 of the General Provisions and as stated in paragraph 2 of Section 2, Instructions to Bidders. Each bidder shall furnish the Owner satisfactory evidence of his or her competency and financial responsibility to perform the proposed work. Bidders shall be prepared to furnish any of this or other information to establish the bidder's qualifications within one working day of any such request from the Engineer or Owner.

**6. CRITICAL CONTRACT DATES**

- A. Contract Award: October, 2019, depending on receipt of grant funds
  - a. The signature of the bidder on the proposal form indicates that within thirty (30) calendar days from acceptance of its bid offer it will execute a contract with the Owner and, if indicated in this solicitation, furnish a project specific Certificate of Insurance naming the Owner as Additional Insured, furnish Performance and Payment Bonds and any other documents required by the Contract Documents.

- B. Notice to Proceed: To be negotiated with successful bidder, **Early** Spring 2020 likely, but airport PAPI's are not working, so earlier start dates may be considered depending on material availability. **Depending on impact to air traffic, Sponsor may consider extra days for early PAPI installation.**
- C. Project Time: 55 Calendar Days. Refer to Section 80-08 for more information.

**7. BONDING**

- A. Payment Bond: Section 30-06 and 30-05, 100% of Bid Amount.
- B. Performance Bond: Section 30-06 and 30-05, 100% of Bid Amount.

**8. INSURANCE REQUIREMENTS**

Refer to Section 4, Part C Local Provisions, Item 11 Insurance (Section 4-39).

**9. FEDERAL WAGE RATES (DAVIS BACON ACT)**

- A. Federal wage rates are required for this project. Refer to Section 4, Part D Federal and State Wage Rates.
- B. Rate to be paid is higher of federal or state wage rate.

**10. BUY AMERICAN REQUIREMENTS**

- A. See Section 4 – Supplementary Provisions, Part A Federal and State Provisions for Buy American Requirements. Buy American Certification is required to be submitted as part of the Bid Proposal Form.

**11. CONSTRUCTION SAFETY AND PHASING PLAN (CSPP)**

- A. Construction Safety and Phasing Plan (CSPP) – Refer to Appendix B.
- B. The Contractor shall review and adhere to the CSPP prepared by the Engineer.
- C. The Contractor shall submit a Safety Plan Compliance Document (SPCD) (Refer to Appendix A and B) to the engineer and airport operator for approval PRIOR to the issuance of Notice to Proceed as required by FAA Advisory Circular (AC) 150/5370-2G “Operational Safety on Airports During Construction”.

**12. LIQUIDATED DAMAGES**

Section 80-08 and Section 4, Part C, Local Provisions, Item 18.

As compensation for **non-use**, the Contractor shall be assessed a liquidated damage of **\$750/Calendar Day** for Schedules I and II, and **\$500/Calendar Day** for Schedule III for each day that the work remains uncompleted beyond the contract period.

In addition, as compensation for expenses incurred for unscheduled employment of the Engineer, up to **\$1,800/Calendar day** for the construction manager plus up to **\$1,400/Calendar day** for each additional resident engineer plus any incurred expenses (per diem, lodging, etc.) will be charged to the Contractor for that time which exceeds the number of Calendar Days allowed. Further, each phase of work under the project has additional liquidated damage clauses, as outlined in **Section 80-08 FAILURE TO COMPLETE ON TIME**.

Section 80-08 FAILURE TO COMPLETE ON TIME.

SCHEDULE	LIQUIDATED DAMAGES COST	ALLOWED CONSTRUCTION TIME
Schedules I/II (Runway closure)	\$750 / Calendar Day(s)	25 Calendar Days
Schedule III	\$500/Calendar Day(s)	30 Additional Calendar Days



The maximum construction time allowed for the overall project is **55 Calendar Days**.

**13. PROJECT PHASING**

- A. Phase 1 – Runway lights and lights for taxiway connectors to OFZ, includes Runway 2/20 closure; 25 calendar day duration. Access 24/7.
- B. Phase 2 – Nav aids – 25 days concurrent with Phase 1
- C. Phase 3 – Remaining taxiway lights and vault work with runway 02/20 open; 30 additional days

**14. MISCELLANEOUS**

- A. Airport Security- Contractor is required to monitor radios during construction. Radios for the project to be provided by Contractor.
- B. Review Construction Layout and Safety Drawings G003 thru G005 – note the Staging Areas & Airport Access gate. The contractor shall install flasher barricades around the perimeter of the construction site bordering the airfield to isolate the contractor from aircraft.
- C. Contractor shall stay within project boundaries.
- D. Construction Management Plan submitted by Contractor. See Section 100 (Section 3-51) & Section 4, Part C, Local Provisions, Item 21.
- E. Haul Route- the Contractor shall be responsible for any damage to existing facilities or roads regardless of legal load. Repairs shall be made at no additional cost to the sponsor. Haul route is shown on the phasing sheet.
- F. Acceptance Testing (soil compaction, concrete, for instance) shall be the responsibility of the Contractor
- G. Questions will be taken via written format to Jviation, Inc. (Bryan Gregory) until **September 9, 2019 7:30 a.m. (CST)**. However, detailed questions should be submitted as early as possible or they may not be answered in time to make it into the final addendum.

**15. ADDENDUM UPDATE**

Pre-bid meeting minutes and attendance will be distributed as an addendum. Any further addendums, including question responses, would be issued no later than **Monday September 9, 2019 5:00 p.m. (CST)**.

**16. QUESTIONS TO DATE, with answers in Blue:**

- i. Will you release an Estimated Construction Budget? **No.**
- ii. Do you require union bidders only for your projects? **There is no requirement for union vs. non-union bidders. However, there is federal participation, so Buy American and Disadvantaged Business Enterprise (DBE) requirements (among others) apply.**
- iii. Is the flagman/gate guard provided by the contractor or the airport? **This is to be provided by the contractor but is not anticipated to be a full time position. Practicing normal gate closure routines and just having someone check in front of/around vehicles for aircraft and behind vehicles for dirt/rocks is the expectation. Dirt and rocks that get sucked into an aircraft engine can cause serious and expensive damage. Additionally, care shall be exercised to ensure no conflicts with aircraft moving on the airfield, which may require a “flagman” during vehicle movements on the apron.**
- ◆
- iv. Can the Contractor backfill trenches with existing material? **The requirements for “soft dirt or sand” and “excavated material” can be found on plan sheet E250. It is expected that existing material can meet all criteria.**

**17. QUESTIONS/ANSWERS**

I. Should the counterpoise be bonded to the cans? No.

II. Does the airport wish to add mats around the lights for mowing purposes? No.

III. A runway lighting lid will be needed for one in-pavement light (to be removed).



IV. Is plowing allowed? Not per the specification.

V. Is it necessary to remove all abandoned wiring? Full removal is only required from any ducts that will be re-used for new wiring.



VI. The Contractor will be required to attend the FAA flight check at the end of the project. If the Contractor cannot make any required changes during the flight check, the Contractor will be responsible for paying for any follow-up flight checks.

VII. What are the limits of QC Materials testing? Trench compaction and concrete testing.



VIII. Can the Contractor re-use the concrete bases for the REILS and PAPI's? No.

IX. Are the PAPI and REIL circuits and disconnects intended to be re-used in place? Yes.

X. For the Runway 20 PAPI, the transformer is gone and it has been re-wired to 220 Volt in the vault. Will this stay the same or change? This will be re-configured to restore 440 Volt with a transformer. See addendum #1.



XI. Does the new regulator require 3 step outputs with pilot controlled lighting? Yes.

**18. PROJECT SITE TOUR**



931 Wildwood Drive, Suite 101  
Jefferson City, MO 65109  
Phone: 573.636.3200  
Fax: 573.636.3201

## Pre-Bid Meeting Sign In

Meeting Date / Location: September 4, 2019 / Kennett Memorial Airport

Project Name:

Schedule I: Runway 2/20 Lighting System

Rehabilitation; Schedule II: Navigation Aids

Time: 11:00 AM

MoDOT Project #:

Rehabilitation; Schedule III: Taxiway A Lighting  
19-079C-1

Name	Company	Telephone No.	E-mail
Bryan Gregory <i>MG</i>	JViation, Inc	573-658-9476	<a href="mailto:bryan.gregory@jviation.com">bryan.gregory@jviation.com</a>
<i>SEPA Ford</i>	<i>P. Parsons Construction</i>	<i>573-686-1323</i>	<i>jalford@p1parsons.com</i>
<i>Craig Amerlan</i>	<i>Amerlan Electric Contractors</i>	<i>573-429-4701</i>	<i>camerlan@outlook.com</i>
<i>Jim McElreath</i>	<i>KT Power Systems</i>	<i>573-388-4524</i>	<i>J.McA@KTPowersystems.com</i>
<i>Shaun Koch</i>	<i>Koch Electric, Inc.</i>	<i>573-313-8444</i>	<i>Shaun@KochElectricInc.net</i>
<i>Darrell B GOTH</i>	<i>MoDOT</i>	<i>573-526-7913</i>	<i>darrell.goth@mo-dot.mo.gov</i>
<i>Duane Peniston</i>	<i>Jewell Aviation-TKX</i>	<i>573-717-0676</i>	<i>kennethmemorial@gmail.com</i>
<i>Mark Hoskins</i>	<i>Airport Bonds</i>	<i>573-888-7512</i>	<i>hoskins@clgw.net</i>
<i>Larry Roy</i>	<i>Airport Bonds</i>	<i>573-359-7000</i>	<i>neelsteel61@gmail.com</i>
<i>Darrell Harris</i>	<i>Airport Bonds</i>	<i>573-344-0553</i>	<i>dharris@clgw.net</i>
<i>James Finch</i>	<i>Airport Bonds</i>	<i>573-757-7020</i>	<i>jfinch4368@sbcglobal.net</i>
<i>Steve Cron</i>	<i>General Contractor Cron Homes, Inc</i>	<i>573-757-7553</i>	<i>cronhomesinc@gmail.com</i>