

June 1, 2020

To: Plan Holders for Improvements to the
Malden Regional Airport
Malden, Missouri
MoDOT Project No. 20-079A-1

Transmitted herewith is Addendum **No. 2** to the Issued for Bid Contract Documents, Specifications and Plans dated May 14, 2020 for Improvements to the Malden Regional Airport.

Schedule I – Rehabilitate Runway 18/36

Schedule II – PAPI Runway 18 and Runway 36

As a reminder, bids are due Thursday, June 4, 2020 at 2:00 PM.

Sincerely,

Jviation, Inc.



Bryan Gregory, P.E.
Project Manager

**ADDENDUM NO. 2
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
MALDEN REGIONAL AIRPORT
MALDEN, MISSOURI
MODOT PROJECT NO. 20-079A-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 may result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of June 1, 2020:

1. CONTRACT DOCUMENTS/SPECIFICATIONS

Contract Documents: Section 1 Notice to Bidders and Section 2 Instructions to Bidders

Section: Contract Documents

Line: All

Revision: Replaced Sections 1 and 2

Justification: *This revision reflects a change to the bid opening location, the address for bid delivery, and the updated quantities.*

Contract Documents: Federal Wage Rates

Section: Federal Wage Rates

Line: All

Revision: Replaced Federal Wage Rates

Justification: *Federal Wage Rates were updated.*

Contract Documents: Section B

Section: Bid Proposal Forms

Line: All

Revision: Replaced all Bid Proposal Forms

Justification: *This revision reflects the most current Bid Proposal Forms.*

Technical Specifications: L-110 Airport Underground Electrical Duct Banks and Conduits

Section: Basis of Payment

Line: 376-381

Revision: The bid items were updated for the project.

Justification: *This specification has been updated to reflect the requirements of the project.*

Technical Specifications: L-125 Installation of Airport Lighting

Section: Basis of Payment

Line: 148-149

Revision: The bid items were updated for the project.

Justification: *This specification has been updated to reflect the requirements of the project.*

Technical Specifications: L-125 Installation of Airport Lighting

Section: 125-2.9 RUNWAY END IDENTIFIER LIGHT (REIL).

Line: 79-80

Revision: The type of equipment shall change from “Type L-849V” to “Type L-849I”.

Justification: *This specification has been updated to reflect the requirements of the project.*

2. **PLANS**

Sheet: G005

Title: Summary of Approximate Quantities

Revision: Revised Summary of Approximate Quantities Table, see attached.

Justification: *This change was to ensure Approximate Quantities Table and Proposal Sheets match*

Sheets: G050-G054 and Plan sheets in CSPP

Title: Phasing Sheets

Revision: Revised Contractor Haul Route and Supplemental staging area

Justification: *The existing runways which were shown to be part of the haul route are under a separate lease agreement.*

Sheets: E200-E208

Title: Electrical Layout Plan

Revision: The layout plans were updated to add more specific information about the installation of the airfield lighting system.

Justification: *Clarifications for the required installation for the system were provided.*

Sheet: E250

Title: Electrical Details

Revision: Several details on this sheet were updated with additional notes.

Justification: *Clarifications for the required installation for the system were provided.*

Sheet: E253

Title: Electrical Details

Revision: Detail 3, REIL PLAN VIEW DETAIL, change that reads “NEW L-849V, STYLE E LED REIL” to read “NEW L-849I, STYLE E LED REIL”

Justification: *The REIL equipment shall be current driven.*

Sheet: E254

Title: Electrical Homerun Layout Plan

Revision: This is a new sheet that was issued.

Justification: *More information was provided to show the alignment of the homerun duct.*

3. PRE-BID MEETING MINUTES AND SIGN-IN SHEET – See Attachments

4. QUESTIONS AFTER PRE-BID (ANSWERS IN RED FOLLOWING QUESTION)

- i. The contract documents show requirements for string line paving. Will string-less paving be allowed? **Yes, with appropriate controls.**
- ii. The demolition plan sheets show the full depth removal limits as being the shoulders. The Geometry plan shows the shouldering getting seal coat and the main part of the runway new asphalt paving limits. I am assuming the demo plan sheets are incorrect for the full depth removal limits? **The demolition plan sheets correctly show removal limits 37.50 feet on either side of centerline for a total width of 75 feet.**
- iii. Do you have a quantity breakdown between phase 1 and 2 for the asphalt work showing how much is comprised of the intersection work of 18/36 and 14/32? **The Phase 2 area inside of the Runway 14/32 OFZ is approximately 11,000 SY out of a total 47,748 SY.**
- iv. Can you give more detail of what is required for disposal of the asphalt millings and existing aggregate base rock being removed? Exact locations of disposal, thickness required for re-spread, etc? Will excess remained stockpiled at the disposal locations or will everything be re-spread? **The millings will be used to fill holes and stabilize the project haul route around the west and north side of the airfield. There are several locations along the haul route identified on site tours. If the Contractor chooses and phasing allows, the removed gravel base can be placed in some of the areas for stabilization purposes and capped with millings. Excess millings shall be stockpiled in the location identified during site tours approximately 1 mile east-northeast of the airfield.**
- v. The existing pavement on the haul routes looks fairly deteriorated, especially on the contractor access route to the north. It is mentioned in the plans that repairs to the haul routes is incidental. Can you provide more detail of what is required in these areas due to the condition of the existing pavements? **The placement of millings in these areas is expected to improve most areas of the haul route. Any new significant holes shall be filled with rock and millings as appropriate. It is not anticipated that any new asphalt, seal coat, or other significant improvement shall be applied in these areas. Damage to the paved roads east of the airport will require more significant repairs.**

- vi. Can asphalt millings be used for replacement material for the over-excavation and replacement bid item? **Millings will not be allowed because they are not drainable enough. It may be possible to re-use cleaned gravel base as removed during the project, with geotechnical firm concurrence on final gradation.**
- vii. In the contractor statement of qualifications, it asks for resumes of key personnel that would be available. Is our organizational chart sufficient for this? **Please respond to the bid documents as best you can. If more information is needed for the apparent low bidder, it will be requested. Any information such requested should be provided within 2 business days.**
- viii. Can the bid date be extended to provide additional time to prepare the bid? **No. As discussed at the pre-bid meeting, we are facing a funding application deadline that does not allow for bid extension.**
- ix. What is the engineer estimate for this project? **This is not being released.**
- x. For the grading, is the existing topsoil included the excavation quantities? **Yes.**
- xi. Do you have a CAD file for the grading you can send? **The CAD files/earthwork model is not released prior to award of the contract.**
- xii. With regards to the L849 REIL required for the project, the plan detail on sheet 87 of 87 has details for both L849V {Voltage-Driven - Detail 3} and L849I {Current-Driven- Detail 2}, the specs state L-849V. Can you please confirm that the Voltage Driven REILs are to be supplied? **The REIL shall be a current driven model.**
- xiii. With regards to the L-823 Connector kits, plan detail 4 on sheet of 84 of 87 states that an Amerace Super kit is to be used, however the detail also states that heat shrink is to be used as well.
My understanding is that the use of Super kits replaces the need for heat shrink to be used, also my understanding is that if super kits or Integro complete kits are used, applying the high heat required to use heat shrink could actually compromise the functionality of the super kit / complete kit, as they are not designed for the intense heat. Can you please confirm if both heat shrink and super kits are required for this project? **The superkits can be used in lieu of the heatshrink. This will be updated on the sheet.**
- xiv. Can you please confirm the required height for the elevated lighting? Details 3 & 6 of plan sheet 84 of 87 depicts 14" and 24" respectively as the elevated lighting heights. Also, are all of the lights to be connected via the Detail 6 secondary connection? It is difficult to determine from the plan sheets which are to follow detail 3 and which are to follow detail 6. Would a 50' secondary connection work for all of the detail 6 style installations? It looks like all of the elevated lights are connected to a remotely located "J" box {J with a circle around it symbol}. **The lights shall be 14". This addendum includes clarification of which lights are installed per each detail to clarify which lights will need extension cords.**
- xv.

**** END OF ADDENDUM NO. 2****

SECTION 1 NOTICE TO BIDDERS

Malden Regional Airport
Malden, Missouri
State Block Grant Project No. 20-079A-1

Sealed bids subject to the conditions and provisions presented herein will be received until 2:00 p.m., Thursday, June 4, 2020, and then publicly opened and read at Malden Regional Airport, Airport Conference Room, 3077 Mitchell Drive, Malden, MO 63863, for furnishing all labor, materials, equipment and performing all work necessary to

Schedule I - Rehabilitate Runway 18/36

Schedule II - PAPI Runway 18 and Runway 36

Contract Documents. The complete set of Specifications and Contract Documents can be downloaded from Jviation, Inc.'s bid site (<http://bid.jviation.com>), beginning on May 14, 2020. In order to submit a responsive bid as a Prime Contractor and to receive all necessary addendum(s) for this project, you must be on the Planholder's List. To view all planholder documents (contract documents, plans and addendums) you must fill out the online form located at (<http://www.jviation.com/bidrequest>). By filling out and submitting this form, you agree to be publicly listed on the bid site with your contact information as a planholder for all projects requested. **It is the planholder's responsibility to review the site for addendums and changes before submitting their proposal.** For additional information, please contact us via email at bidinfo@jviation.com.

*Note that contractors will NOT be automatically added to new projects. You will need to re-submit the online form for access to new projects. Once granted access, additional projects will use your same login credentials. **Note:** Plan ahead when submitting the online request form and allow up to 2 business days for approval and access to projects.

Pre-Bid Conference. The non-mandatory pre-bid conference for this project will be held on Thursday, May 21, 2020 at 1:00 p.m., at Airport Conference Room. All bidders are required to examine the site to become familiar with all site conditions.

Note that due to the ongoing and often-changing restrictions for COVID-19, pre-bid and bid opening procedures may be changed through an official project addendum. Please check addenda or if you have questions, call Bryan Gregory with Jviation at 573-418-1450 or by email at Bryan.Gregory@jviation.com.

Contract Work Items. This project will involve the following work items and estimated quantities. Prospective bidders are hereby advised that the quantities indicated herein are approximate and are subject to change.

SUMMARY OF APPROXIMATE QUANTITIES				
ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I	SCHEDULE II
			ESTIMATE	ESTIMATE
C-100a	Contractor Quality Control Program (CQCP)	LS	1	0
C-102a	Sediment Control Log	EA	3	0
C-105a	Mobilization	LS	1	1
P-101a	Asphalt Pavement Removal	SY	50,200	0
P-101b	Partial Depth Aggregate Base Removal and Recompact	SY	50,200	0
P-101c	Joint and Crack Repair	LF	20,000	0
P-152a	Unclassified Excavation	CY	2,600	0

ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I	SCHEDULE II
			ESTIMATE	ESTIMATE
P-152b	Overexcavation and Replacement	CY	1,000	0
P-208a	6" Aggregate Base Course	CY	8,350	0
P-208b	Separation Geotextile	SY	50,200	0
P-401a	Asphalt Paving Course	TON	11,000	0
P-401b	PG 64-22 Asphalt Binder	TON	700	0
P-603a	Emulsified Asphalt Tack Coat	GAL	3,500	0
P-608Ra	Asphalt Surface Treatment	SY	34,900	0
P-620a	Permanent White Pavement Markings	SF	45,700	0
P-620b	Permanent Yellow Pavement Markings	SF	3,200	0
P-620c	Black Pavement Markings	SF	24,100	0
P-620d	Temporary White Pavement Markings	SF	45,700	0
P-620e	Temporary Yellow Pavement Markings	SF	3,200	0
P-620f	Pavement Marking Obliteration	SF	44,400	0
T-901a	Seeding with Hydromulch	AC	12	0
L-108a	Install #8 AWG, L-824C, 5000V Wire	LF	17,500	26,000
L-108b	Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations	LF	17,000	0
L-109a	Install L-828 Constant Current Regulator, Ferroresonant Type	EA	1	0
L-110a	Install 1-2" Sch. 40 PVC Duct, Direct Earth Buried	LF	10,250	600
L-110b	Install 1-2" Sch. 40 PVC Duct, Concrete Encased in Existing Pavement	LF	2,100	0
L-110c	Install 2-2" Sch. 40 PVC Duct, Concrete Encased in Existing Pavement	LF	250	0
L-110d	Install 1-2" HDPE Duct, Directionally Bored	LF	3,200	300
L-115a	Install L-867B Junction Box, Complete	EA	50	0
L-125a	Remove Stake Mounted Runway/Taxiway Edge Light in Soil, Complete	EA	16	0
L-125b	Remove Stake Mounted Runway/Taxiway Light in Existing Pavement, Complete	EA	43	0
L-125c	Install Base Mounted L-861T Taxiway Edge Light in Soil, Complete	EA	4	0
L-125d	Install Base Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete	EA	2	0
L-125e	Install Conduit Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete	EA	16	2
L-125f	Install Base Mounted L-861 Runway Edge Light in Existing Pavement, Complete	EA	1	0
L-125g	Install Conduit Mounted L-861 Runway Light in Existing Pavement, Complete	EA	44	0
L-125h	Install Base Mounted L-861E Runway Threshold Light in Soil, Complete	EA	16	0
L-125i	Install Sponsor-Provided L-880 LED PAPI System, Complete	EA	0	2
L-125j	Install L-849 LED REIL System	EA	2	
L-125k	Install L-858 Guidance Sign, Size 1, Style 4	EA	5	

Contract Time. The owner has established a contract perform time of 69 Calendar Day(s) from the date of the Notice-to-Proceed. All project work shall be substantially completed within the stated timeframe. This project is subject to liquidated damages as prescribed in the project manual.

Bid Security. No bid will be considered unless accompanied by a certified check or cashier's check on any bank or trust company insured by the Federal Deposit Insurance Corporation, payable to the Owner, for not

less than five (5) percent of the total amount of the bid, or by a bid bond secured by an approved surety or sureties, payable to the City of Malden, for not less than five (5) percent of the total amount of the bid.

Bonding Requirements. The successful bidder will be required to furnish separate performance and payment bonds each in an amount equal to 100% of the contract price at the time of contract execution.

Award of Contract. The Owner intends to award a contract resulting from this solicitation to the lowest, responsive, responsible bidder, whose offer, conforming to the solicitation, will be most advantageous to, and in the best interest of, the Owner, cost or price and other factors considered.

- a. In addition to other factors, bid offers will be evaluated on the basis of advantages and disadvantages to the Owner that might result from offers received.
- b. The Owner reserves the right to reject any or all proposals and to waive informalities and/or irregularities in the bid offer. Bids may be held by the owner for a period not to exceed 90 calendar days from the date of the bid opening for the purpose of conducting the bid evaluation.
- c. Total bid will be evaluated and awarded as follows: It is the Owner's intent to award this bid based on the **TOTAL BASE BID FOR ALL ITEMS, split awards will not be made.**
- d. The Owner will determine which Schedules and/or Bid Alternates will be awarded based on the received bid prices and available funding. The project award will be based on the low bid sum of the Schedules and Bid Alternates awarded by the Owner. Not all Schedules and/or Bid Alternates may be awarded. A combination of Schedules and Bid Alternates may be awarded, including only a single Schedule. The numbering of the Schedules or Bid Alternates does not necessarily indicate the order of award.
- e. The project award is contingent on the availability of funding.

Federal Provision. This project is subject to the following Federal provisions, statutes and regulations;

Equal Employment Opportunity - Executive Order 11246 and 41 CFR Part 60: The Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth within the supplementary provisions. The successful Bidder shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure the applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin.

Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity:

1. The Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth within the supplementary provisions.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables

Goals for minority participation for each trade: 26.50%

Goals for female participation in each trade: 6.9%

These goals are applicable to all of the contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor is also subject to the goals for both its federally involved and non-federally involved construction.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

As used in this notice and in the contract resulting from this solicitation, the "covered area" is City of Malden, Dunklin, and state of Missouri.

Disadvantaged Business Enterprise – 49 CFR Part 26: The requirements of 49 CFR Part 26, Regulations of the U.S. Department of Transportation, apply to this contract. It is the policy of MoDOT and the **City of Malden** to practice nondiscrimination based on race, color, sex or national origin in the award or performance of this contract. All firms qualifying under this solicitation are encouraged to submit bids/proposals regardless of their business size or ownership. Awards of this contract will be conditioned upon satisfying the requirements of this section. These requirements apply to all bidders, including those who qualify as a DBE. The owner's award of this contract is condition upon the bidder satisfying the good faith effort requirements of 49 CFR §26.53. A DBE contract goal of **3** percent has been established for this contract. The non-DBE bidder shall subcontract **3** percent of the dollar value of the base bid(s), excluding any additive alternates, to disadvantaged business enterprises (DBE) or make good faith efforts to meet the DBE contract goal. The bidder and any subcontractor who qualifies as a DBE who subcontracts work to another non-DBE firm must subtract the amount of the non-DBE contract from the total DBE work counted toward the goal, as defined in 49 CFR Part 26.55.

The apparent successful competitor will be required to submit the following information as a condition of bid responsiveness: (1) the names and addresses of DBE firms that will participate in the contract; (2) a description of the work that each DBE firm will perform; (3) the dollar amount of the participation of each DBE firm participating; (4) written statement from bidder that attests their commitment to use the DBE firm(s) listed under (1) above to meet the owner's project goal; and (5) if the contract goal is not met, evidence of good faith efforts undertaken by the bidder, as described in Appendix A to 49 CFR Part 26.

The apparent successful competitor must provide written confirmation of participation from each of the DBE firms listed in their commitment with the proposal documents as a condition of bid responsiveness.

Davis-Bacon Act, as amended – 29 CFR Part 5: The Contractor is required to comply with wage and labor provisions and to pay minimum wages in accordance with the current schedule of wage rates established by the United States Department of Labor included in the supplementary provisions.

In addition, the contractor will also be required to comply with the wage and labor requirements and pay minimum wages in accordance with the schedule of wage rates established by the Missouri Division of Labor Standards included in the Supplementary Provisions.

The highest rate between the two (Federal and State) for each job classification shall be considered the prevailing wage.

Debarment, Suspension, Ineligibility and Voluntary Exclusion – Title 2 CFR Part 180 (Subpart C) Title 2, CFR Part 1200: The bidder certifies, by submission of a proposal or acceptance of a contract, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

Foreign Trade Restriction – 49 CFR Part 30: By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror--

- a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
- b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the USTR; and
- c. has not entered into any subcontract for any product to be used on the Federal project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the USTR.

Buy American Certificate – Aviation Safety and Capacity Act of 1990: This contract is subject to the “Buy American Preferences” of the Aviation Safety and Capacity Act of 1990. Prospective Bidders are required to certify that steel and manufactured products have been produced in the United States and to clearly identify those items produced or manufactured outside of the United States.

Additional Provisions: Modification to the project documents may only be made by written addendum by the Owner or Owner’s authorized Representative.

The proposal must be made on the forms provided within the bound project manual. Bidders must supply all required information prior to the time of bid opening.

Additional Federal provisions can be found in Section 4 of this document.

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SECTION 2 INSTRUCTIONS TO BIDDERS

This section contains excerpts of the bidding requirements from Section 20 of the General Provisions. The bidder's attention is directed to Section 20 for complete details.

1. **THE EXECUTED PROPOSAL FORM MUST BE SUBMITTED WITH EACH PAGE FROM SECTION B-1 THROUGH B-21. EACH FORM MUST BE COMPLETELY FILLED OUT.**
2. The apparent low bidder shall submit "evidence of competency" and "evidence of financial responsibility" to the owner with the bid proposal in accordance with Section 20-02 of the General Provisions. In addition, the resumes of all key personnel shall be provided with the bid proposal detailing experience on similar airfield construction projects.
3. Each bidder shall certify in the Proposal Form at the time of bid submittal that they acknowledge receipt of all issued addenda.
4. No bid will be considered unless accompanied by a certified check or cashier's check on any bank or trust company insured by the Federal Deposit Insurance Corporation, payable to the owner, for not less than five (5) percent of the amount of the bid, or by a bid bond secured by an approved surety or sureties (licensed to conduct surety business in the state of Missouri), payable to the owner, for not less than five (5) percent of the amount of the bid.
5. Proposals shall be sent to arrive at the time and date specified in Section 1, Notice to Bidders. Proposals received after the specified time and date will not receive consideration and will be returned unopened. Prior to submittal, the proposal shall be placed in a sealed opaque envelope and addressed to:

Malden Regional Airport
Attn: Patty Smith
Airport Administration Office
3077 Mitchell Drive
P.O. Box 411
Malden, MO 63863

The upper left hand corner of the envelope should be marked as follows:

Sealed Bid Proposal
Bid of NAME OF BIDDER
For construction improvements at Malden Regional Airport
State Block Grant Project No.: 20-079A-1
To be opened at: 2:00 p.m., Thursday, June 4, 2020

For a modification to a previously submitted proposal, insert "Modification to Proposal" in place of "Sealed Bid Proposal".

Note that due to the ongoing and often-changing restrictions for COVID-19, pre-bid and bid opening procedures may be changed through an official project addendum. Please check addenda or if you have questions, call Bryan Gregory with Jviation at 573-418-1450 or by email at Bryan.Gregory@jviation.com.

6. The Owner reserves the right to reject any or all bids, as determined to be in the best interest of the Owner. Causes for rejection of proposals include but are not limited to:

- Submittal of more than one proposal from the same partnership, firm or corporation;

- Failure by Bidder to submit the bid prior to the stated time and date for receipt of bids;
- Failure by Bidder to furnish satisfactory bid guarantee;
- Failure by Bidder to provide all information required of the bid forms;
- Failure by Bidder to comply with the requirements of bid instructions;
- Failure by Bidder to complete the applicable Buy American Certification;
- Failure by the Bidder to demonstrate good faith efforts in obtaining participation by certified DBE firms;
- Determination by the Owner that Bidder is not qualified to accomplish the project work;
- Determination by the Owner that the Bidder has placed conditions on or qualified their proposal;
- Discovery of any alteration, interlineations or erasure of any project requirement by the Bidder;
- Inclusion of the Bidder as an Excluded Party in the System for Award Management;
- Evidence of collusion among bidders.

7. Construction and building materials sold to the contractors and subcontractors for use on public works owned by City of Malden are exempt from State Sales and Use Taxes. However, such materials will be subject to any Sales and Use Taxes imposed by local cities and counties. This change in the State Tax Law has no effect of Sales and Use Taxes imposed by other local taxing authorities. Contractor shall provide proof of exemption prior to commencing work.

"General Decision Number: M020200001 05/29/2020

Superseded General Decision Number: M020190001

State: Missouri

Construction Types: Heavy and Highway

Counties: Missouri Statewide.

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020
2	02/07/2020
3	02/14/2020
4	03/13/2020
5	04/03/2020
6	04/24/2020
7	05/08/2020
8	05/15/2020
9	05/29/2020

CARP0002-002 05/01/2019

ST. LOUIS COUNTY AND CITY

	Rates	Fringes
Carpenters.....	\$ 38.02	17.77

CARP0005-006 05/03/2015

CASS (Richards-Gebauer AFB ONLY), CLAY, JACKSON, PLATTE AND RAY
COUNTIES

	Rates	Fringes
Carpenters:		
CARPENTERS & LATHERS.....	\$ 36.34	15.55
MILLWRIGHTS & PILEDRIERS...	\$ 36.34	15.55

CARP0011-001 05/01/2019

	Rates	Fringes
Carpenter and Piledriver		
ADAIR, AUDRAIN (West of Hwy 19), BOONE, CALLAWAY, CHARITON, COLE, COOPER, HOWARD, KNOX, LINN, MACON, MILLER, MONITEAU, MONROE, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SHELBY AND SULLIVAN COUNTIES.....	\$ 32.28	17.77
ATCHISON, ANDREW, BATES, CALDWELL, CARROLL, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY, ST. CLAIR, SALINE AND WORTH COUNTIES.....	\$ 30.76	17.77
AUDRAIN (East of Hwy. 19), RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES.	\$ 32.29	17.77
BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES.	\$ 30.36	17.77
BENTON, MORGAN AND PETTIS...	\$ 30.81	17.77
BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, STE. GENEVIEVE, SCOTT, STODDARD AND WAYNE COUNTIES.....	\$ 32.14	17.77
BUCHANAN, CLINTON, JOHNSON AND LAFAYETTE COUNTIES.....	\$ 31.49	17.77
CARTER, HOWELL, OREGON AND RIPLEY COUNTIES.....	\$ 31.09	17.77
CRAWFORD, DENT, GASCONADE, IRON, MADISON, MARIES, MONTGOMERY, PHELPS,		

PULASKI, REYNOLDS, SHANNON		
AND TEXAS COUNTIES.....	\$ 32.13	17.77
FRANKLIN COUNTY.....	\$ 35.56	17.77
JEFFERSON AND ST. CHARLES		
COUNTIES.....	\$ 38.02	17.77
LINCOLN COUNTY.....	\$ 34.00	17.77
PIKE, ST. FRANCOIS AND		
WASHINGTON COUNTIES.....	\$ 32.92	17.77
WARREN COUNTY.....	\$ 34.44	17.77

ELEC0001-002 07/14/2019

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, FRANKLIN,
IRON, JEFFERSON, LINCOLN, MADISON, MISSISSIPPI, NEW MADRID,
PEMISCOT, PERRY, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS,
ST. LOUIS (City and County), STE. GENEVIEVE, SCOTT, STODDARD,
WARREN, WASHINGTON AND WAYNE COUNTIES

	Rates	Fringes
Electricians.....	\$ 39.30	15.81

ELEC0002-001 09/01/2018

ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON,
CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE,
HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCON, LINN,
MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY,
MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM,
RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS,
ST. LOUIS (City and County), STE. GENEVIEVE, SCHUYLER,
SCOTLAND, SHANNON, SHELBY, SULLIVAN, TEXAS, WARREN AND
WASHINGTON COUNTIES

	Rates	Fringes
Line Construction:		
Equipment Operator.....	\$ 39.50	19.96
Groundman & Truck Driver....	\$ 30.36	16.67
Lineman & Cable Splicer.....	\$ 45.90	22.27

ELEC0053-004 01/01/2020

	Rates	Fringes
Line Construction: (ANDREW,		
ATCHINSON, BARRY, BARTON,		
BUCHANAN, CALDWELL, CEDAR,		
CHRISTIAN, CLINTON, DADE,		
DALLAS, DAVIES,, DEKALB,		
DOUGLAS, GENTRY, GREENE,		
GRUNDY, HARRISON, HICKORY,		
HOLT, JASPER, LACLEDE,		
LAWRENCE, LIVINGSTON,		
MCDONALD, MERCER, NEWTON,		
NODAWAY, OZARK, POLK, ST.		

CLAIR, STONE, TANEY, VERNON,
WEBSTER, WORTH AND WRIGHT
COUNTIES)

Groundman Powderman.....	\$ 32.27	16.09
Groundman.....	\$ 30.12	15.38
Lineman Operator.....	\$ 43.40	19.30
Lineman.....	\$ 47.30	20.45

Line Construction; (BATES,
BENTON, CARROLL, CASS, CLAY,
HENRY, JACKSON, JOHNSON,
LAFAYETTE, PETTIS, PLATTE,
RAY AND SALINE COUNTIES)

Groundman Powderman.....	\$ 32.27	15.52
Groundman.....	\$ 30.12	14.88
Lineman Operator.....	\$ 43.40	18.80
Lineman.....	\$ 47.30	19.95

ELEC0095-001 06/01/2019

BARRY, BARTON, CEDAR, DADE, JASPER, LAWRENCE, MCDONALD, NEWTON,
ST CLAIR, AND VERNON COUNTIES

	Rates	Fringes
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Electricians:

Cable Splicers.....	\$ 25.40	12.19
Electricians.....	\$ 27.43	14.97

ELEC0124-007 08/26/2019

BATES, BENTON, CARROLL, CASS, CLAY, COOPER, HENRY, JACKSON,
JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY AND SALINE
COUNTIES:

	Rates	Fringes
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Electricians.....	\$ 40.79	22.92
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* ELEC0257-003 03/01/2020

AUDRAIN (Except Cuivre Township), BOONE, CALLAWAY, CAMDEN,
CHARITON, COLE, CRAWFORD, DENT, GASCONADE, HOWARD, MARIES,
MILLER, MONITEAU, OSAGE, PHELPS AND RANDOLPH COUNTIES

	Rates	Fringes
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Electricians:

Cable Splicers.....	\$ 30.42	16.085
Electricians.....	\$ 34.00	18.68

ELEC0350-002 12/01/2019

ADAIR, AUDRAIN (East of Highway 19), CLARK, KNOX, LEWIS, LINN,
MACON, MARION, MONROE, MONTGOMERY, PIKE, PUTNAM, RALLS,
SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES

	Rates	Fringes
Electricians.....	\$ 32.50	17.65

ELEC0453-001 09/01/2019

	Rates	Fringes
Electricians:		
CHRISITAN, DALLAS,		
DOUGLAS, GREENE, HICKORY,		
HOWELL, LACLEDE, OREGON,		
OZARK, POLK, SHANNON,		
WEBSTER and WRIGHT COUNTIES..	\$ 27.88	14.99
PULASKI and TEXAS COUNTIES..	\$ 32.53	15.46
STONE and TANEY COUNTIES....	\$ 23.67	14.17

ELEC0545-003 06/01/2019

ANDREW, BUCHANAN, CLINTON, DEKALB, ATCHISON, HOLT, MERCER,
GENTRY, HARRISON, DAVIESS, GRUNDY, WORTH, LIVINGSTON, NODAWAY,
AND CALDWELL COUNTIES

	Rates	Fringes
Electricians:.....	\$ 32.00	17.30

ELEC0702-004 12/30/2019

BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MADISON,
MISSISSIPPI, NEW MADRID, PEMISCOT, SCOTT, STODDARD AND WAYNE
COUNTIES

	Rates	Fringes
Line Construction:		
Groundman - Class A.....	\$ 30.31	29% + 7.75
Groundman-Equipment		
Operator Class II (all		
other equipment).....	\$ 38.46	29% + 7.75
Heavy-Equipment Operator		
Class I (all crawler type		
equipment D-4 and larger)...	\$ 43.88	29% + 7.75
Lineman.....	\$ 53.51	29% + 7.75

ENGI0101-001 05/01/2020

ANDREW, ATCHISON, BATES, BENTON, BUCHANAN, CALDWELL, CARROLL,
CHARITON, CLINTON, COOPER, DAVIESS, DEKALB, GENTRY, GRUNDY,
HARRISON, HENRY, HOLT, HOWARD, JOHNSON, LAFAYETTE, LINN,
LIVINGSTON, MERCER, NODAWAY, PETTIS, SALINE, SULLIVAN AND WORTH
COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 34.73	18.20
GROUP 2.....	\$ 34.33	18.20
GROUP 3.....	\$ 32.33	18.20

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers - 2; booster pump on dredge; bulldozer operator; boring machine (truck or crane mounted); clamshell operator; concrete mixer paver; concrete plant operator; concrete pump operator; crane operator; derrick or derrick trucks; ditching machine; dragline operator; dredge engineman; dredge operator; drill cat with compressor mounted (self-contained) or similar type self-propelled rotary drill (not air tract); drilling or boring machine (rotary-self-propelled); finishing machine operator; greaser; high loader-fork lift-skid loader (all types); hoisting engineer (2 active drums); locomotive operator (standard guage); mechanics and welders (field and plants); mucking machine operator; pile drive operator; pitman crane or boom truck (all types); push cat; quad track; scraper operators (all types); shovel operator; sideboom cats; side discharge spreader; skimmer scoop operators; slip form paver operator (CMI, Rex, Gomeco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; wood and log chippers (all types).

GROUP 2: A-frame truck operator; articulated dump truck; back filler operator; boilers (1); chip spreader; churn drill operator; compressor; concrete mixer operator, skip loader; concrete saws (self-propelled); conveyor operator; crusher operator; distributor operator; elevating grader operator; farm tractor (all attachments); fireman rig; float operator; form grade operator; hoisting engine (one drum); maintenance operator; multiple compactor; pavement breaker, self-propelled hydra-hammer (or similar type); paymill operator; power shield; pumps; roller operator (with or without blades); screening and washing plant; self-propelled street broom or sweeper; siphons and jets; straw blower; stump cutting machine; siphons and jets; tank car heater operator (combination boiler and booster); welding machine; vibrating machine operator (not hand held); welding machine.

GROUP 3: (a) Oiler;
 (b) Oiler driver
 (c) Mechanic.

HOURLY PREMIUMS:

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$.25) ABOVE GROUP 1 RATE: Dragline operator - 3 yds. & over; shovel 3 yds. & over; clamshell 3 yds. & over; Crane, rigs or piledrivers, 100' of boom or over (incl. jib.), hoist -

each additional active drum over 2 drums

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$.50) ABOVE
GROUP 1 RATE: Tandem scoop operator; crane, rigs or
piledrivers 150' to 200' of boom (incl. jib.)

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$.75) ABOVE
GROUP 1 RATE: Crane rigs, or piledrivers 200 ft. of boom
or over (including jib.)

* ENGI0101-005 04/01/2020

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 37.02	19.89
GROUP 2.....	\$ 35.98	19.89
GROUP 3.....	\$ 31.51	19.89
GROUP 4.....	\$ 34.86	19.89

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers-2; booster pump on dredge; boring machine (truck or crane mounted); bulldozer operator; clamshell operator; concrete cleaning decontamination machine operator; concrete mixer paver; concrete plant operator; concrete pump operator; crane operator; derrick or derrick trucks; ditching machine; dragline operator; dredge engineman; dredge operator; drillcat with compressor mounted (self-contained) or similar type self propelled rotary drill (not air tract); drilling or boring machine (rotary - self-propelled); finishing machine operator; greaser; heavy equipment robotics operator/mechanic; horizontal directional drill operator; horizontal directional drill locator; loader-forklift - skid loader (all types); hoisting engineer (2 active drums); locomotive operator (standard guage); master environmental maintenance mechanic; mechanics and welders (field and plants); mucking machine operator; piledrive operator; pitman crane or boom truck (all types); push cat; quad-track; scraper operators (all types); shovel operator; side discharge spreader; sideboom cats; skimmer scoop operator; slip-form paver (CMI, REX, Gomaco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; ultra high perssure waterjet cutting tool system operator/mechanic; vacuum blasting machine operator/mechanic; wood and log chippers (all types)

GROUP 2: ""A"" Frame truck operator; back filler operator; boilers (1); chip spreader; churn drill operator; concrete mixer operator, skip loader; concrete saws (self-propelled); conveyor operator; crusher operator;

distributor operator; elevating grader operator; farm tractor (all attachments); fireman rig; float operator; form grader operator; hoisting engine (1 drum); maintenance operator; multiple compactor; pavement breaker, self-propelled hydra- hammer (or similar type); power shield; paymill operator; pumps; siphons and jets; stump cutting machine; tank car heater operator (combination boiler and booster); compressor; roller operator (with or without blades); screening and washing plant; self-propelled street broom or sweeper; straw blower; tank car heater operator (combination boiler and booster); vibrating machine operator (not hand held)

GROUP 3: Oilers

GROUP 4: Oiler Driver (All Types)

FOOTNOTE:

HOURLY PREMIUMS FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$1.00) ABOVE GROUP 1 RATE:

Clamshells - 3 yd. capacity or over; Cranes or rigs, 80 ft. of boom or over (including jib); Draglines, 3 yd. capacity or over;

Piledrivers 80 ft. of boom or over (including jib);

Shovels & backhoes, 3 yd. capacity or over.

 ENGI0101-022 05/01/2019

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 31.72	14.88
GROUP 2.....	\$ 31.37	14.88
GROUP 3.....	\$ 31.17	14.88
GROUP 4.....	\$ 29.12	14.88

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt finishing machine & trench widening spreader; asphalt plant console operator; autograder; automatic slipform paver; backhoe; blade operator - all types; boat operator - tow; boilers-2; central mix concrete plant operator; clamshell operator; concrete mixer paver; crane operator; derrick or derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; highloader; hoisting engine - 2 active drums; launch hammer wheel; locomotive operator; - standard guage; mechanic and welders; mucking machine; off-road trucks; piledriver operator; pitman crane

operator; push cat operator; quad trac; scoop operator - all types; shovel operator; sideboom cats; skimmer scoop operators; trenching machine operator; truck crane.

GROUP 2: A-frame; asphalt hot-mix silo; asphalt plant fireman (drum or boiler); asphalt plant man; asphalt plant man; asphalt plant mixer operator; asphalt roller operator; backfiller operator; barber-greene loader; boat operator (bridges and dams); chip spreader; concrete mixer operator - skip loader; concrete plant operator; concrete pump operator; crusher operator; dredge oiler; elevating grader operator; fork lift; greaser-fleet; hoisting engine - 1; locomotive operator - narrow gauge; multiple compactor; pavement breaker; powerbroom - self-propelled; power shield; rooter; side discharge concrete spreader; slip form finishing machine; stumpcutter machine; throttle man; tractor operator (over 50 h.p.); winch truck.

GROUP 3: Boilers - 1; chip spreader (front man); churn drill operator; clef plane operator; concrete saw operator (self-propelled); curb finishing machine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; roller operator, other than high type asphalt; screening & washing plant operator; siphons & jets; sub-grading machine operator; spreader box operator, self-propelled (not asphalt); tank car heater operator (combination boiler & booster); tractor operator (50 h.p. or less); Ulmac, Ulric or similar spreader; vibrating machine operator, not hand;

GROUP 4: Grade checker; Oiler; Oiler-Driver

HOURLY PREMIUMS:

The following classifications shall receive \$.25 above GROUP 1 rate:

Clamshells - 3 yds. or over; Cranes - Rigs or Piledrivers, 100 ft. of boom or over (including jib);
Draglines - 3 yds. or over; Hoists - each additional active drum over 2 drums; Shovels - 3 yds. or over;

The following classifications shall receive \$.50 above GROUP 1 rate:

Tandem scoop operator; Cranes - Rigs or Piledrivers, 150 ft. to 200 ft. of boom (including jib); Tandem scoop.

The following classifications shall receive \$.75 above GROUP 1 rate:

Cranes - Rigs or Piledrivers, 200 ft. of boom or over (including jib.).

ENGI0513-004 05/06/2019

FRANKLIN, JEFFERSON, LINCOLN, ST CHARLES, AND WARREN COUNTIES

Rates

Fringes

Power equipment operators:

GROUP 1.....	\$ 34.36	27.36
GROUP 2.....	\$ 34.36	27.36
GROUP 3.....	\$ 33.06	27.36
GROUP 4.....	\$ 32.61	27.36

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, Cable; Backhoe, Hydraulic (2 cu yds bucket and under regardless of attachment, one oiler for 2 or 3, two oilers for 4 through 6); Backhoe, Hydraulic over 2 cu yds; Cableway; Crane, Crawler or Truck; Crane, Hydraulic - Truck or Cruiser mounted, 16 tons and over; Crane, Locomotive; crane with boom including jib over 100 ft from pin to pin; Crane using rock socket tool; Derrick, Steam; Derrick Car and Derrick Boat; Dragline, 7 cu yds and over; Dredge; Gradall, Crawler or tire mounted; Locomotive, Gas, Steam & other powers; Pile Driver, Land or Floating; Scoop, Skimmer; Shovel, Power (Electric, Gas, Steam or other powers); Shovel, Power (7 cu yds and over); Switch Boat; Whirley; Air Tugger with air compressor; Anchor Placing Barge; Asphalt Spreader; Athey Force Feeder Loader, self-propelled; Backfilling Machine; Boat Operator - Push Boat or Tow Boat (job site); Boiler, High Pressure Breaking in Period; Boom Truck, Placing or Erecting; Boring Machine, Footing Foundation; Bullfloat; Cherry Picker; Combination Concrete Hoist and Mixer (such as Mixermobile); Compressor, Two 125 CFM and under; Compressor, Two through Four over 125 CFM; Compressor when operator runs throttle; Concrete Breaker (Truck or Tractor mounted); Concrete Pump (such as Pumpcrete machine); Concrete Saw (self-propelled); Concrete Spreader; Conveyor, Large (not selfpropelled) hoisting or moving brick and concrete into, or into and on floor level, one or both; Crane, Climbing (such as Linden); Crane, Hydraulic - Rough Terrain, self-propelled; Crane, Hydraulic - Truck or Cruiser mounted - under 16 tons; Drilling machine - Self-powered, used for earth or rock drilling or boring (wagon drills and any hand drills obtaining power from other souces including concrete breakers, jackhammers and Barco equipmnet no engineer required); Elevating Grader; Engine Man, Dredge; Excavator or Powerbelt Machine; Finishing Machine, self- propelled oscillating screed; Forklift; Generators, Two through Six 30 KW or over; Grader, Road with power blade; Greaser; Highlift; Hoist, Concrete and Brick (Brick cages or concrete skips operating or on tower, Towermobile, or similar equipment); Hoist, Three or more drums in use; Hoist, Stack; Hydro-Hammer; Lad-A-Vator, hoisting brick or concrete; Loading Machine such as Barber-Greene; Mechanic on job site

GROUP 2: Air Tugger with plant air; Boiler (for power or heating shell of building or temporary enclosures in connection with construction work); Boiler, Temporary; Compressor, One over 125 CFM; Compressor, truck mounted; Conveyor, Large (not self- propelled); Conveyor, Large (not self- propelled) moving brick and concrete (distributing) on floor level; Curb Finishing Machine; Ditch Paving Machine; Elevator (outside); Endless Chain Hoist; Fireman

(as required); Form Grader; Hoist, One Drum regardless of size (except brick or concrete); Lad-A-Vator, other hoisting; Manlift; Mixer, Asphalt, over 8 cu ft capacity; Mixer, one bag capacity or less; Mixer, without side loader, two bag capacity or more; Mixer, with side loader, regardless of size, not Paver; Mud Jack (where mud jack is used in conjunction with an air compressor, operator shall be paid \$.55 per hour in addition to his basic hourly rate for covering both operations); Pug Mill operator; Pump, Sump - self powered, automatic controlled over 2""; Scissor Lift (used for hoisting); Skid Steer Loader; Sweeper, Street; Tractor, small wheel type 50 HP and under with grader blade and similar equipment; Welding Machine, One over 400 amp; Winch, operating from truck

GROUP 3: Boat operator - outboard motor, job site; Conveyors (such as Con-Vay-It) regardless of how used; Elevator (inside); Heater operator, 2 through 6; Sweeper, Floor

GROUP 4: Crane type

HOURLY PREMIUMS:

Backhoe, Hydraulic 2 cu yds or less without oiler - \$2.00;
Crane, climbing (such as Linden) - \$.50;
Crane, Pile Driving and Extracting - \$.50
Crane with boom (including job) over
100 ft from pin to pin - add \$.01 per foot
to maximum of \$4.00);
Crane, using rock socket tool - \$.50;
Derrick, diesel, gas or electric hoisting material
and erecting steel (150 ft or more above ground) - \$.50;
Dragline, 7 cu yds and over - \$.50;
Hoist, Three or more drums in use - \$.50;
Scoop, Tandem - \$.50;
Shovel, Power - 7 cu yds and over - \$.50;
Tractor, Tandem Crawler - \$.50;
Tunnel, man assigned to work in tunnel or
tunnel shaft - \$.50;
Wrecking, when machines are working on
second floor or higher - \$.50

ENGI0513-006 05/01/2019

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE
GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN,
GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES,
MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY,
MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS,
PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST.
FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON,
SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAYNE COUNTIES

Rates

Fringes

Power equipment operators:

GROUP 1.....	\$ 29.69	27.16
GROUP 2.....	\$ 29.34	27.16
GROUP 3.....	\$ 29.14	27.16
GROUP 4.....	\$ 25.49	27.16

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt finishing machine & trench widening spreader, asphalt plant console operator; autograder; automatic slipform paver; back hoe; blade operator - all types; boat operator tow; boiler two; central mix concrete plant operator; clam shell operator; concrete mixer paver; crane operator; derrick or derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; highloader; hoisting engine 2 active drums; launchhammer wheel; locomotive operator standrad guage; mechanics and welders; mucking machine; piledriver operator; pitman crane operator; push cat operator; guad-trac; scoop operator; sideboom cats; skimmer scoop operator; trenching machine operator; truck crane, shovel operator.

GROUP 2: A-Frame; asphalt hot-mix silo; asphalt roller operator asphalt plant fireman (drum or boiler); asphalt plant man; asphalt plant mixer operator; backfiller operator; barber-greene loader; boat operator (bridge & dams); chip spreader; concrete mixer operator skip loader; concrete plant operator; concrete pump operator; dredge oiler; elevating graded operator; fork lift; grease fleet; hoisting engine one; locomotive operator narrow guage; multiple compactor; pavement breaker; powerbroom self-propelled; power shield; rooter; slip-form finishing machine; stumpcutter machine; side discharge concrete spreader; throttleman; tractor operator (over 50 hp); winch truck; asphalt roller operator; crusher operator.

GROUP 3: Spreader box operator, self-propelled not asphalt; tractor operator (50 h.p. or less); boilers one; chip spreader (front man); churn drill operator; compressor over 105 CFM 2-3 pumps 4" & over; 2-3 light plant 7.5 KWA or any combination thereof; clef plane operator; compressor maintenance operator 2 or 3; concrete saw operator (self-propelled); curb finishing mancine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; riller operator other than high type asphalt; screening & washing plant operator; siphons & jets; subgrading machine operator; tank car heater (combination boiler & booster); ulmac, ulric or similar spreader; vibrating machine operator; hydrobroom.

GROUP 4: Oiler; grout machine; oiler driver; compressor over 105 CFM one; conveyor operator one; maintenance operator; pump 4" & over one.

FOOTNOTE: HOURLY PREMIUMS

Backhoe hydraulic, 2 cu. yds. or under Without oiler - \$2.00
 Certified Crane Operator - \$1.50;
 Certified Hazardous Material Operator \$1.50;
 Crane, climbing (such as Linden) - \$0.50;
 Crane, pile driving and extracting - \$0.50;
 Crane, with boom (including jib) over 100' from pin to pin
 add \$0.01 per foot to maximum of \$4.00;
 Crane, using rock socket tool - \$0.50;
 Derrick, diesel, gas or electric, hoisting material and
 erecting steel (150' or more above the ground) - \$0.50;
 Dragline, 7 cu. yds, and over - \$0.50;
 Hoist, three or more drums in use - \$0.50; Scoop, Tandem -
 \$0.50;
 Shovel, power - 7 cu. yds. or more - \$0.50;
 Tractor, tandem crawler - \$0.50;
 Tunnel, man assigned to work in tunnel or tunnel shaft -
 \$0.50;
 Wrecking, when machine is working on second floor or higher -
 \$0.50;

 ENGI0513-007 05/06/2019

ST. LOUIS CITY AND COUNTY

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 34.36	27.36
GROUP 2.....	\$ 34.36	27.36
GROUP 3.....	\$ 33.06	27.36
GROUP 4.....	\$ 32.61	27.36

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, cable or hydraulic; cableway; crane
 crawler or truck; crane, hydraulic-truck or cruiser mounted
 16 tons & over; crane locomotive; derrick, steam; derrick
 car & derrick boat; dragline; dredge; gradall, crawler or
 tire mounted; locomotive, gas, steam & other powers; pile
 driver, land or floating; scoop, skimmer; shovel, power
 (steam, gas, electric or other powers); switch boat;
 whirley.

GROUP 2: Air tugger w/air compressor; anchor-placing barge;
 asphalt spreader; atehy force feeder loader (self-
 propelled); backfilling machine; backhoe-loader; boat
 operator-push boat or tow boat (job site); boiler, high
 pressure breaking in period; boom truck, placing or
 erecting; boring machine, footing foundation; bull- float;
 cherry picker; combination concrete hoist & mixer (such as
 mixer mobile); compressor (when operator runs throttle);
 concrete breaker (truck or tractor mounted); concrete pump,
 such as pump-crete machine; concrete saw (self-propelled),
 concrete spreader; conveyor, large (not self-propelled),
 hoisting or moving brick and concrete into, or into and on
 floor level, one or both; crane, hydraulic-rough terrain,

self-propelled; crane hydraulic-truck or cruiser mounted-under 16 tons; drilling machines, self-powered use for earth or rock drilling or boring (wagon drills and any hand drills obtaining power from other sources including concrete breakers, jackhammers and barco equipment-no engineer required); elevating grader; engineman, dredge; excavator or powerbelt machine; finishing machine, self-propelled oscillating screed; forklift; grader, road with power blade; highlift. greaser; hoist, stack, hydro-hammer; loading machine (such as barber-green); machanic, on job site; mixer, pipe wrapping machines; plant asphalt; plant, concrete producing or ready-mix job site; plant heating-job site; plant mixing-job site; plant power, generating-job site; pumps, two through six self-powered over 2"; pumps, electric submersible, two through six, over 4"; quad-track; roller, asphalt, top or sub-grade; scoop, tractor drawn; spreader box; sub-grader; tie tamper; tractor-crawler, or wheel type with or without power unit, power take-offs and attachments regardless of size; trenching machine; tunnel boring machine; vibrating machine automatic, automatic propelled; welding machines (gasoline or diesel) two through six; well drilling machine

GROUP 3: Conveyor, large (not self-propelled); conveyor, large (not self-propelled) moving brick and concrete distributing on floor level; mixer two or more mixers of one bag capacity or less; air tugger w/plant air; boiler, for power or heating on construction projects; boiler, temporary; compressor (mounted on truck; curb finishing machine; ditch paving machine; elevator; endless chain hoist; form grader; hoist, one drum regardless of size; lad-a-vator; manlift; mixer, asphalt, over 8 cu. ft. capacity, without side loader, 2 bag capacity or more; mixer, with side loader, regardless of size; pug mill operator; pump, sump-self-powered, automatic controlled over 2" during use in connection with construction work; sweeper, street; welding machine, one over 400 amp.; winch operating from truck; scissor lift (used for hoisting); tractor, small wheel type 50 h.p. & under with grader blade & similar equipment; Oiler on dredge and on truck crane.

GROUP 4: Boat operator-outboard motor (job site); conveyor (such as con-vay-it) regardless of how used; sweeper, floor

HOURLY PREMIUMS:

Backhoe, hydraulic	
2 cu. yds. or under without oiler	\$2.00
Certified Crane Operator	1.50
Certified Hazardous Material Operator	1.50
Crane, climbing (such as Linden)	.50
Crane, pile driving and extracting	.50
Crane, with boom (including jib) over 100' (from pin to pin) add \$.01 per foot to maximum of	4.00
Crane, using rock socket tool	.50
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above ground)	.50

Dragline, 7 cu. yds. and over	.50
Hoist, three (3) or more drums in use	.50
Scoop, Tandem	.50
Shovel, power - 7 cu. yds. or more	.50
Tractor, tandem crawler	.50
Tunnel, man assigned to work in tunnel or tunnel shaft	.50
Wrecking, when machine is working on second floor or higher	.50

* IRON0010-012 04/01/2020

	Rates	Fringes
Ironworkers:		
ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, HOWARD, LACLEDE, LINN, LIVINGSTON, MERCER, MONITEAU, MORGAN, NODAWAY, POLK, PUTNAM, RANDLOPH, ST. CLAIR, SULLIVAN, TANEY, VERNON, WEBSTER, WRIGHT and WORTH Counties and portions of ADAIR, BOONE, MACON, MILLER and RANDOLPH Counties.....\$ 31.00		31.24
ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, HOWARD, LACLEDE, LINN, LIVINGSTON, MERCER, MONITEAU, MORGAN, NODAWAY, PETTIS, POLK, PUTNAM, RANDLOPH, ST. CLAIR, SULLIVAN, TANEY, VERNON, WEBSTER, WRIGHT and WORTH Counties and portions of ADAIR, BOONE, MACON, MILLER and RANDOLPH Counties.....\$ 30.55		30.44
ATCHISON, BATES, BUCHANAN, CALDWELL, CARROLL, CASS, CLAY, CLINTON, HENRY, JACKSON, JOHNSON, LAFAYETTE, PETTIS, PLATTE, SALINE, AND RAY COUNTIES....\$ 34.00		31.24

IRON0321-002 09/01/2019

DOUGLAS, HOWELL and OZARK COUNTIES

	Rates	Fringes
Ironworker.....	\$ 21.10	19.01

IRON0396-004 08/07/2019		

ST. LOUIS (City and County), ST. CHARLES, JEFFERSON, IRON, FRANKLIN, LINCOLN, WARREN, WASHINGTON, ST. FRANCOIS, STE. GENEVIEVE, and REYNOLDS Counties; and portions of MADISON, PERRY, BOLLINGER, WAYNE, and CARTER Counties

	Rates	Fringes
Ironworker.....	\$ 34.91	27.36

IRON0396-009 08/07/2019		

AUDRAIN, CALLAWAY, COLE, CRAWFORD, DENT, GASCONADE, MARIES, MONTGOMERY, OSAGE, PHELPS, PIKE, PULASKI, TEXAS and WRIGHT Counties; and portions of BOONE, CAMDEN, DOUGLAS, HOWELL, LACLEDE, MILLER, MONROE, OREGON, SHANNON and RALLS Counties

	Rates	Fringes
Ironworker.....	\$ 30.44	27.36

IRON0577-005 06/01/2019		

ADAIR, CLARK, KNOX, LEWIS, MACON, MARION, MONROE, RALLS, SCHUYLER, SCOTLAND, AND SHELBY COUNTIES

	Rates	Fringes
Ironworker.....	\$ 26.60	24.00

IRON0584-004 06/01/2019		

BARRY, JASPER, LAWRENCE, MCDONALD, NEWTON AND STONE Counties

	Rates	Fringes
Ironworkers:.....	\$ 26.00	15.35

IRON0782-003 05/01/2019		

CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD Counties; and portions of BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, and WAYNE Counties

	Rates	Fringes
Ironworkers:		

Locks, Dams, Bridges and other major work on the Mississippi and Ohio River only.....	\$ 31.63	24.27
All Other Work.....	\$ 27.38	23.29

LAB00042-003 03/06/2019

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Plumber Laborer.....	\$ 33.22	15.67

LAB00042-005 03/06/2019

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Dynamiter, Powderman.....	\$ 33.22	15.67
Laborers, Flaggers.....	\$ 33.22	15.67
Wrecking.....	\$ 33.22	15.67

LAB00424-002 05/01/2016

	Rates	Fringes
LABORER		
ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, CLARK, COLE, COOPER, HOWARD, IRON, KNOX, LEWIS, LINN, MACON, MADISON, MARION, MILLER, MONITEAU, MONROE, PERRY, PIKE, PUTNAM, RALLS, RANDOLPH, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES		
GROUP 1.....	\$ 27.96	13.17
GROUP 2.....	\$ 27.96	13.17
BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, MARIES, MISSISSIPPI, NEW MADRID, OREGON, OSAGE, PEMISCOT, PHELPS, PULASKI, RIPLEY, SCOTT, SHANNON, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES		
GROUP 1.....	\$ 27.96	13.17
GROUP 2.....	\$ 27.96	13.17
FRANKLIN COUNTY		

GROUP 1.....	\$ 29.71	13.17
GROUP 2.....	\$ 30.31	13.17
JEFFERSON COUNTY		
GROUP 1.....	\$ 29.76	13.17
GROUP 2.....	\$ 30.36	13.17
LINCOLN, MONTGOMERY AND WARREN COUNTIES		
GROUP 1.....	\$ 31.18	13.32
GROUP 2.....	\$ 31.18	13.32
ST.CHARLES COUNTY		
GROUP 1.....	\$ 3.18	13.32
GROUP 2.....	\$ 31.18	13.32

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders; salamander Tenders; Dump Man; Ticket Takers; loading trucks under bins, hoppers, and conveyors; track man; cement handler; dump man on earth fill; georgie buggy man; material batch hopper man; spreader on asphalt machine; material mixer man (except on manholes); coffer dams; riprap pavers rock, block or brick; scaffolds over ten feet not self-supported from ground up; skip man on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator; all work in connection with hydraulic or general dredging operations; form setters, puddlers (paving only); straw blower nozzle man; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; toppler of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cable ties on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 ft. where compressed air is not used; abutment and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man;

waterblaster - 1000 psi or over; asbestos and/or hazardous
waste removal and/or disposal

LAB00579-005 05/01/2020

	Rates	Fringes
LABORER (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY and WORTH COUNTIES.)		
GROUP 1.....	\$ 27.21	15.42
GROUP 2.....	\$ 27.56	15.42
LABORER (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER and WRIGHT COUNTIES)		
GROUP 1.....	\$ 26.21	14.62
GROUP 2.....	\$ 26.76	14.62
LABORER (LAFAYETTE COUNTY)		
GROUP 1.....	\$ 27.76	14.87
GROUP 2.....	\$ 28.11	14.87

LABORERS CLASSIFICATIONS

GROUP 1: General Laborers - Carpenter tenders; salamander
tenders; loading trucks under bins; hoppers & conveyors;
track men & all other general laborers; air tool operator;
cement handler-bulk or sack; dump man on earth fill;
georgie buggy man; material batch hopper man; material
mixer man (except on manholes); coffer dams; riprap pavers
- rock, block or brick; signal man; scaffolds over ten feet
not self-supported from ground up; skipman on concrete
paving; wire mesh setters on concrete paving; all work in
connection with sewer, water, gas, gasoline, oil drainage
pipe, conduit pipe, tile and duct lines and all other pipe
lines; power tool operator, all work in connection with
hydraulic or general dredging operations; puddlers (paving
only); straw blower nozzle man; asphalt plant platform man;
chuck tender; crusher feeder; men handling creosote ties or
creosote materials; men working with and handling epoxy
material or materials (where special protection is
required); rubbing concrete; topper of standing trees;
batter board man on pipe and ditch work; feeder man on wood
pulverizers; board and willow mat weavers and cable tiers
on river work; deck hands; pile dike and revetment work;
all laborers working on underground tunnels less than 25
feet where compressed air is not used; abutment and pier

hole men working six (6) feet or more below ground; men working in coffer dams for bridge piers and footings in the river; ditchliners; pressure groutmen; caulker; chain or concrete saw; cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground; mortarmen on brick or block manholes; toxic and hazardous waste work.

GROUP 2: Skilled Laborers - Head pipe layer on sewer work; laser beam man; Jackson or any other similar tamp; cutting torch man; form setters; liners and stringline men on concrete paving, curb, gutters; hot mastic kettleman; hot tar applicator; sandblasting and gunite nozzlemen; air tool operator in tunnels; screed man on asphalt machine; asphalt raker; barco tamper; churn drills; air track drills and all similar drills; vibrator man; stringline man for electronic grade control; manhole builders-brick or block; dynamite and powder men; grade checker.

LABO0663-002 04/01/2020

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 31.28	16.33
GROUP 2.....	\$ 32.49	16.33

LABORERS CLASSIFICATIONS

GROUP 1: General laborers, Carpenter tenders, salamander tenders, loading trucks under bins, hoppers and conveyors, track men and all other general laborers, air tool operator, cement handler (bulk or sack), chain or concrete saw, deck hands, dump man on earth fill, Georgie Buggies man, material batch hopper man, scale man, material mixer man (except on manholes), coffer dams, abutments and pier hole men working below ground, riprap pavers rock, black or brick, signal man, scaffolds over ten feet not self-supported from ground up, skipman on concrete paving, wire mesh setters on concrete paving, all work in connection with sewer,water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipelines, power tool operator, all work in connection with hydraulic or general dredging operations, straw blower nozzleleman,asphalt plant platform man, chuck tender, crusher feeder, men handling creosote ties on creosote materials, men working with and handling epoxy material or materials (where special protection is required), topper of standing trees, batter board man on pipe and ditch work, feeder man on wood pulverizers, board and willow mat weavers and cable tiers on river work, deck hands, pile dike and revetment work, all laborers working on underground tunnels less than 25 feet where compressed air is not used, abutment and pier hole men working six (6) feet or more below ground, men working in coffer dams for bridge piers and footings in the

river, ditchliners, pressure groutmen, caulker and chain or concrete saw, cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground, mortarmen on brick or block manholes, signal man.

GROUP 2: Skilled Laborer - spreader or screed man on asphalt machine, asphalt raker, grade checker, vibrator man, concrete saw over 5 hp., laser beam man, barco tamper, jackson or any other similar tamp, wagon driller, churn drills, air track drills and other similar drills, cutting torch man, form setters, liners and stringline men on concrete paving, curb, gutters and etc., hot mastic kettelman, hot tar applicator, hand blade operators, mortar men on brick or block manholes, sand blasting and gunnite nozzle men, rubbing concrete, air tool operator in tunnels, head pipe layer on sewer work, manhole builder (brick or block), dynamite and powder men.

PAIN0002-002 09/01/2007

CLARK, FRANKLIN, JEFFERSON, LEWIS, LINCOLN, MARION, PIKE, RALLS, ST. CHARLES, ST. LOUIS (CITY & COUNTY), AND WARREN COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller; Taper.....	\$ 28.61	10.24
High work over 60 feet.....	\$ 29.11	10.24
Lead Abatement.....	\$ 29.36	10.24
Pressure Roller; High work under 60 ft.....	\$ 28.86	10.24
Spray & Abrasive Blasting; Water Blasting (Over 5000 PSI).....	\$ 30.61	10.24
Taper (Ames Tools & Bazooka).....	\$ 30.21	10.24

PAIN0002-006 04/01/2018

ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, COLE, GASCONADE, HOWARD, KNOX, LINN, MACON, MONROE, MONTGOMERY, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES and the City of Booneville.

	Rates	Fringes
Painters:		
Bridges, Dams, Locks or Powerhouses.....	\$ 25.93	12.79
Brush and Roll; Taping, Paperhanging.....	\$ 23.93	12.79
Epoxy or Any Two Part Coating; Sandblasting;		

Stage or other Aerial Work		
- Platforms over 50 feet		
high; Lead Abatement.....\$ 24.93		12.79
Spray; Structural Steel		
(over 50 feet).....\$ 24.93		12.79
Tapers using Ames or		
Comparable Tools.....\$ 24.68		12.79

PAIN0003-004 04/01/2017

CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY
COUNTIES

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement;		
Sandblast; Storage Bin &		
Tanks.....\$ 31.96		16.96
Brush & Roller.....\$ 29.34		16.96
Drywall.....\$ 30.34		16.96
Paper Hanger.....\$ 29.84		16.96
Stageman; Beltman;		
Steelman; Elevator Shaft;		
Bazooka, Boxes and Power		
Sander; Sprayman; Dipping...\$ 30.96		16.96
Steeplejack.....\$ 35.53		16.96

PAIN0003-011 04/01/2011

BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY,
HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS &
SALINE COUNTIES

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement;		
Sandblast; Storage Bin &		
Tanks.....\$ 24.06		14.04
Brush & Roller.....\$ 22.67		14.04
Drywall.....\$ 22.84		14.04
Paper Hanger.....\$ 23.07		14.04
Stageman; Beltman;		
Steelman; Elevator Shaft;		
Bazooka, Boxes and Power		
Sander; Sprayman; Dipping...\$ 23.56		14.04
Steeplejack.....\$ 26.82		14.04

PAIN0203-001 04/01/2012

BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE,
HICKORY, HOWELL, JASPER, LAWRENCE, MCDONALD, NEWTON, OZARK,
POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, and WRIGHT
COUNTIES

	Rates	Fringes
Painters:		
Finisher.....	\$ 20.18	11.33
Painter.....	\$ 19.75	11.76
Sandblaster, High Man, Spray Man, Vinyl Hanger, Tool Operator.....	\$ 21.18	11.33

PAIN1265-003 07/01/2013

CAMDEN, CRAWFORD, DENT, LACLEDE, MARIES, MILLER, PHELPS,
PULASKI AND TEXAS COUNTIES

	Rates	Fringes
Painters:		
Brush and Roller.....	\$ 25.64	13.27
Floor Work.....	\$ 26.14	13.27
Lead Abatement.....	\$ 27.89	13.27
Spray.....	\$ 27.14	13.27
Structural Steel, Sandblasting and All Tank Work.....	\$ 26.89	13.27
Taping, Paperhanging.....	\$ 26.64	13.27

PAIN1292-002 09/01/2016

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN,
MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, REYNOLDS,
RIPLEY, SCOTT, SHANNON, STODDARD and WAYNE COUNTIES

	Rates	Fringes
Painters:		
Bridges, Stacks & Tanks.....	\$ 30.85	11.64
Brush & Roller.....	\$ 25.35	11.64
Spray & Abrasive Blasting; Waterblasting (over 5000 PSI).....	\$ 28.95	11.64

Height Rates (All Areas):
Over 60 ft. \$0.50 per hour.
Under 60 ft. \$0.25 per hour.

PAIN1292-003 09/01/2017

IRON, MADISON, ST. FRANCOIS, STE. GENEVIEVE and WASHINGTON
COUNTIES

	Rates	Fringes
Painters:		

Bridges, Stacks & Tanks.....	\$ 31.05	12.74
Brush & Roller.....	\$ 25.70	12.74
Spray & Abrasive Blasting; Waterblasting (Over 5000 PSI).....	\$ 28.70	12.74

Height Rates (All Areas):
 Over 60 ft. \$0.50 per hour
 Under 60 ft. \$0.25 per hour.

 PAIN2012-001 04/01/2019

ANDREW, ATCHISON, BUCHANAN, DE KALB, GENTRY, HOLT, NODAWAY &
 WORTH COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 31.26	17.26
Sandblaster.....	\$ 32.76	17.26
Steeplejack.....	\$ 36.33	17.26

 PLAS0518-006 03/01/2020

BARRY, BARTON, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE,
 HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK,
 POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, AND WRIGHT
 COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 24.44	12.11

 PLAS0518-007 04/01/2020

CASS (Richards-Gebaur AFB only), CLAY, JACKSON, PLATTE AND RAY
 COUNTIES

	Rates	Fringes
Cement Masons:.....	\$ 32.72	18.30

 PLAS0518-011 04/01/2019

ANDREW, ATCHISON, BATES, BUCHANNAN, CLINTON, DEKALB, GENTRY,
 HENRY, HOLT, JOHNSON, LAFAYETTE, NODAWAY & WORTH COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 32.00	20.13

 PLAS0527-001 04/01/2018

	Rates	Fringes
CEMENT MASON		
FRANKLIN, LINCOLN AND WARREN COUNTIES.....	\$ 30.74	18.07
JEFFERSON, ST. CHARLES COUNTIES AND ST. LOUIS (City and County).....	\$ 32.66	18.62

PLAS0527-004 06/01/2017

CRAWFORD, DENT, IRON, MADISON, MARION, PHELPS, PIKE, PULASKI,
RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SHANNON, TEXAS,
WASHINGTON COUNTIES

	Rates	Fringes
CEMENT MASON.....	\$ 28.10	18.07

PLAS0908-001 05/01/2017

BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, HOWELL,
MISSISSIPPI, NEW MADRID, OREGON, PEMISCOT, PERRY, RIPLEY,
SCOTT, STODDARD, AND WAYNE COUNTIES

	Rates	Fringes
CEMENT MASON.....	\$ 27.60	15.73

PLAS0908-005 05/01/2017

BENTON, CALDWELL, CALLAWAY, CAMDEN, CARROLL, COLE, DAVIESS,
GASCONADE, GRUNDY, HARRISON, LIVINGSTON, MACON, MARIES, MERCER,
MILLER, MONTGOMERY, MORGAN, OSAGE, PETTIS & SALINE COUNTIES

	Rates	Fringes
CEMENT MASON.....	\$ 27.60	15.73

PLUM0008-003 06/01/2019

CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES

	Rates	Fringes
Plumbers.....	\$ 47.14	21.39

PLUM0008-017 06/01/2019

BATES, BENTON, CARROLL, HENRY, LAFAYETTE, MORGAN, PETTIS, RAY,
ST. CLAIR, SALINE AND VERNON COUNTIES

Rates	Fringes
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Plumbers.....\$ 47.14 21.39

PLUM0045-003 08/01/2019

ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB,
GENTRY, HARRISON, HOLT, NODAWAY AND WORTH COUNTIES

Rates Fringes

Plumbers and Pipefitters.....\$ 37.75 23.65

PLUM0178-003 11/01/2019

BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE,
HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND
WRIGHT COUNTIES

Rates Fringes

Plumbers and Pipefitters.....\$ 31.75 15.12

PLUM0178-006 11/01/2019

BARTON, JASPER, MCDONALD AND NEWTON COUNTIES

Rates Fringes

Plumbers and Pipefitters

Projects \$750,000 & under...\$ 27.93 15.35

Projects over \$750,000.....\$ 31.75 15.12

PLUM0533-004 06/01/2019

BATES, BENTON, CARROLL, CASS, CLAY, HENRY, HICKORY, JACKSON,
JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY, SALINE, ST.
CLAIR AND VERNON COUNTIES

Rates Fringes

Pipefitters.....\$ 46.68 22.55

PLUM0562-004 07/01/2019

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAMDEN, CAPE
GIRARDEAU, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD,
DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL,
IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON,
MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU,
MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT,
PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH,
REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, STE. GENEVIEVE, ST.
LOUIS, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD,
SULLIVAN, TEXAS, WARREN, WASHINGTON, AND WAYNE COUNTIES.

	Rates	Fringes
Plumbers and Pipefitters		
Mechanical Contracts		
including all piping and		
temperature control work		
\$7.0 million & under.....	\$ 40.41	21.49
Mechanical Contracts		
including all piping and		
temperature control work		
over \$7.0 million.....	\$ 41.85	27.85

PLUM0562-016 07/01/2019

CAMDEN, COLE, CRAWFORD, FRANKLIN, JEFFERSON, MARIES, MILLER,
MONITEAU, OSAGE, PHELPS, PULASKI, ST. CHARLES, ST. LOUIS (City
and County), WARREN and WASHINGTON COUNTIES

	Rates	Fringes
Plumbers		
Mechanical Contracts		
including all piping and		
temperature control work		
\$7.0 million & under.....	\$ 40.41	21.49
Mechanical Contracts		
including all piping and		
temperature control work		
over \$7.0 million.....	\$ 41.85	27.85

TEAM0013-001 05/01/2019

	Rates	Fringes
Truck drivers (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES)		
GROUP 1.....	\$ 30.34	13.75
GROUP 2.....	\$ 30.49	13.75
GROUP 3.....	\$ 30.61	13.75
GROUP 4.....	\$ 30.50	13.75
Truck drivers (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES)		

GROUP 1.....	\$ 31.07	13.75
GROUP 2.....	\$ 31.22	13.75
GROUP 3.....	\$ 31.34	13.75
GROUP 4.....	\$ 31.23	13.75

Truck drivers (FRANKLIN,
JEFFERSON and ST. CHARLES
COUNTIES)

GROUP 1.....	\$ 33.43	13.75
GROUP 2.....	\$ 33.58	13.75
GROUP 3.....	\$ 33.65	13.75
GROUP 4.....	\$ 33.54	13.75

Truck drivers (LINCOLN and
WARREN COUNTIES)

GROUP 1.....	\$ 32.08	13.75
GROUP 2.....	\$ 33.23	13.75
GROUP 3.....	\$ 32.30	13.75
GROUP 4.....	\$ 32.19	13.75

TRUCK DRIVERS CLASSIFICATIONS:

GROUP 1: Flat Bed Trucks, Single Axle; Station Wagons;
Pickup Trucks; Material Trucks, Single Axle; Tank Wagon,
Single Axle

GROUP 2: Agitator and Transit Mix Trucks

GROUP 3: Flat Bed Trucks, Tandem Axle; Articulated Dump
Trucks; Material Trucks, Tandem Axle; Tank Wagon, Tandem
Axle

GROUP 4: Semi and/or Pole Trailers; Winch, Fork & Steel
Trucks; Distributor Drivers and Operators; Tank Wagon,
Semi-Trailer; Insley Wagons, Dumpsters, Half-Tracks,
Speedace, Euclids and other similar equipment; A-Frame and
Derrick Trucks; Float or Low Boy

TEAM0056-001 05/01/2019

	Rates	Fringes
Truck drivers (ANDREW, BARTON, BATES, BENTON, CALDWELL, CAMDEN, CARROLL, CEDAR, CHARITON, CHRISTIAN, CLINTON, COOPER, DADE, DALLAS, DAVIESS, DEKALB, DOUGLAS, GREENE, HENRY, HICKORY, HOWARD, JASPER, LACLEDE, LAWRENCE, LINN, LIVINGSTON, MONITEAU, MORGAN, NEWTON, PETTIS, POLK, RANDOLPH, ST. CLAIR, SALINE, VERNON, WEBSTER AND WRIGHT COUNTIES)		
GROUP 1.....	\$ 30.77	13.75
GROUP 2.....	\$ 30.92	13.75
GROUP 3.....	\$ 31.04	13.75

GROUP 4.....	\$ 30.93	13.75
Truck drivers: (ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES)		
GROUP 1.....	\$ 30.04	13.75
GROUP 2.....	\$ 30.19	13.75
GROUP 3.....	\$ 30.31	13.75
GROUP 4.....	\$ 30.20	13.75
Truck drivers; (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)		
GROUP 1.....	\$ 31.98	13.75
GROUP 2.....	\$ 32.13	13.75
GROUP 3.....	\$ 32.20	13.75
GROUP 4.....	\$ 32.09	13.75

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Flat bed trucks single axle; station wagons; pickup trucks; material trucks single axle; tank wagons single axle.

GROUP 2: Agitator and transit mix-trucks.

GROUP 3: Flat bed trucks tandem axle; articulated dump trucks; material trucks tandem axle; tank wagons tandem axle.

GROUP 4: Semi and/or pole trailers; winch, fork & steel trucks; distributor drivers & operators; tank wagons semi-trailer; insley wagons, dumpsters, half-tracks, speedace, euclids & other similar equipment; A-frames and derrick trucks; float or low boy.

TEAM0245-001 03/26/2012

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DALLAS, DENT, DOUGLAS, GREENE, HICKORY, HOWELL, JASPER, LACLEDE, LAWRENCE, MCDONALD, MILLER, NEWTON, OZARK, PHELPS, POLK, PULASKI, SHANNON, STONE, TANEY, TEXAS, VERNON, WEBSTER AND WRIGHT COUNTIES

	Rates	Fringes
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Truck drivers:

Traffic Control Service

Driver.....	\$ 20.45	0.00
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PAID HOLIDAYS: New Year's Day, Decoration Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day, employee's birthday and 2 personal days.

TEAM0541-001 04/01/2019

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 33.01	15.75
GROUP 2.....	\$ 32.44	15.75
GROUP 3.....	\$ 31.92	15.75

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Mechanics and Welders, Field; A-Frame Low Boy-Boom
ruck Driver.

GROUP 2: Articulated Dump Truck; Insley Wagons: Dump Trucks,
Excavating, 5 cu yds and over; Dumpsters; Half-Tracks:
Speedace: Euclids & similar excavating equipment Material
trucks, Tandem Two teams; Semi-Trailers; Winch trucks-Fork
trucks; Distributor Drivers and Operators; Agitator and
Transit Mix; Tank Wagon Drivers, Tandem or Semi; One Team;
Station Wagons; Pickup Trucks; Material Trucks, Single
Axle; Tank Wagon Drivers, Single Axle

GROUP 3: Oilers and Greasers - Field

TEAM0682-002 05/01/2017

ST LOUIS CITY AND COUNTY

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 33.30	13.79+a+b+c+d
GROUP 2.....	\$ 33.50	13.79+a+b+c+d
GROUP 3.....	\$ 33.60	13.79+a+b+c+d

a. PENSION: 5/1/2012 - \$182.20 per week.

b. HAZMAT PREMIUM: If Hazmat certification on a job site is
required by a state or federal agency or requested by
project owner or by the employer, employees on that job
site shall receive \$1.50 premium pay.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - Pick-up trucks; forklift, single axle; flatbed
trucks; job site ambulance, and trucks or trailers of a
water level capacity of 11.99 cu. yds. or less

GROUP 2 - Trucks or trailers of a water level capacity of
12.0 cu yds. up to 22.0 cu yds. including euclids, speedace
and similar equipment of same capacity and compressors

GROUP 3 - Trucks or trailers of a water level capacity of
22.0 cu. yds & over including euclids, speedace & all
floats, flatbed trailers, boom trucks, winch trucks,

including small trailers, farm wagons tilt-top trailers, field offices, tool trailers, concrete pumps, concrete conveyors & gasoline tank trailers and truck mounted mobile concrete mixers

FOOTNOTE FOR TRUCK DRIVERS:

c. PAID HOLIDAYS: Christmas Day, Independence Day, Labor Day, Memorial Day, Veterans Day, New Years Day, Thanksgiving Day

d. PAID VACATION: 3 days paid vacation for 600 hours of service in any one contract year; 4 days paid vacation for 800 hours of service in any one contract year; 5 days paid vacation for 1,000 hours of service in any one contract year. When such an employee has completed 3 years of continuous employment with the same employer and then works the above required number of hours, he shall receive double the number of days of vacation specified above. When such an employee has completed 10 years of continuous employment with the same employer and then works the above required number of hours, he shall receive triple the number of days of vacation specified above. When such an employee has completed 15 years of continuous employment with the same employer and then works the above required number of hours, he shall receive 4 times the number of days of vacation specified above.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the

classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material,

etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

BID PROPOSAL SUMMARY

Bidder Name: _____

SCHEDULE I TOTAL \$ _____

SCHEDULE II TOTAL \$ _____

TOTAL ALL SCHEDULES \$ _____

Bidder has examined the proposed site and is familiar with all site conditions.

Signature

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SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
C-100a	Contractor Quality Control Program (CQCP)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-102a	Sediment Control Log	at the unit price of: _____ dollars and _____ cents.	EA	3	\$	\$
C-105a	Mobilization (10% Max)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
P-101a	Asphalt Pavement Removal	at the unit price of: _____ dollars and _____ cents.	SY	50,200	\$	\$
P-101b	Partial Depth Aggregate Base Removal and Recompact	at the unit price of: _____ dollars and _____ cents.	SY	50,200	\$	\$
P-101c	Joint and Crack Repair	at the unit price of: _____ dollars and _____ cents.	LF	20,000	\$	\$
P-152a	Unclassified Excavation	at the unit price of: _____ dollars and _____ cents.	CY	2,600	\$	\$
P-152b	Overexcavation and Replacement	at the unit price of: _____ dollars and _____ cents.	CY	1,000	\$	\$
P-208a	6" Aggregate Base Course	at the unit price of: _____ dollars and _____ cents.	CY	8,350	\$	\$
P-208b	Separation Geotextile	at the unit price of: _____ dollars and _____ cents.	SY	50,200	\$	\$
P-401a	Asphalt Paving Course	at the unit price of: _____ dollars and _____ cents.	TON	11,000	\$	\$
P-401b	PG 64-22 Asphalt Binder	at the unit price of: _____ dollars and _____ cents.	TON	700	\$	\$
P-603a	Emulsified Asphalt Tack Coat	at the unit price of: _____ dollars and _____ cents.	GAL	3,500	\$	\$
P-608Ra	Asphalt Surface Treatment	at the unit price of: _____ dollars and _____ cents.	SY	34,900	\$	\$
P-620a	Permanent White Pavement Markings	at the unit price of: _____ dollars and _____ cents.	SF	45,700	\$	\$
P-620b	Permanent Yellow Pavement Markings	at the unit price of: _____ dollars and _____ cents.	SF	3,200	\$	\$
P-620c	Black Pavement Markings	at the unit price of: _____ dollars and _____ cents.	SF	24,100	\$	\$
P-620d	Temporary White Pavement Markings	at the unit price of: _____ dollars and _____ cents.	SF	45,700	\$	\$
P-620e	Temporary Yellow Pavement Markings	at the unit price of: _____ dollars and _____ cents.	SF	3,200	\$	\$
P-620f	Pavement Marking Obliteration	at the unit price of: _____ dollars and _____ cents.	SF	44,400	\$	\$
T-901a	Seeding with Hydromulch	at the unit price of: _____ dollars and _____ cents.	AC	12	\$	\$

SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
L-108a	Install #8 AWG, L-824C, 5000V Wire	at the unit price of: _____ dollars and _____ cents.	LF	17,500	\$	\$
L-108b	Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations	at the unit price of: _____ dollars and _____ cents.	LF	17,000	\$	\$
L-109a	Install L-828 Constant Current Regulator, Ferroresonant Type	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$
L-110a	Install 1-2" Sch. 40 PVC Duct, Direct Earth Buried	at the unit price of: _____ dollars and _____ cents.	LF	10,250	\$	\$
L-110b	Install 1-2" Sch. 40 PVC Duct, Concrete Encased in Existing Pavement	at the unit price of: _____ dollars and _____ cents.	LF	2,100	\$	\$
L-110c	Install 2-2" Sch. 40 PVC Duct, Concrete Encased in Existing Pavement	at the unit price of: _____ dollars and _____ cents.	LF	250	\$	\$
L-110d	Install 1-2" HDPE Duct, Directionally Bored	at the unit price of: _____ dollars and _____ cents.	LF	3,200	\$	\$
L-115a	Install L-867B Junction Box, Complete	at the unit price of: _____ dollars and _____ cents.	EA	63	\$	\$
L-125a	Remove Stake Mounted Runway/Taxiway Light in Soil, Complete	at the unit price of: _____ dollars and _____ cents.	EA	16	\$	\$
L-125b	Remove Stake Mounted Runway/Taxiway Light in Existing Pavement, Complete	at the unit price of: _____ dollars and _____ cents.	EA	43	\$	\$
L-125c	Install Base Mounted L-861T Taxiway Edge Light in Soil, Complete	at the unit price of: _____ dollars and _____ cents.	EA	4	\$	\$
L-125d	Install Base Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
L-125e	Install Conduit Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete	at the unit price of: _____ dollars and _____ cents.	EA	16	\$	\$
L-125f	Install Base Mounted L-861 Runway Edge Light in Existing Pavement, Complete	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$
L-125g	Install Conduit Mounted L-861 Runway Edge Light in Existing Pavement, Complete	at the unit price of: _____ dollars and _____ cents.	EA	44	\$	\$
L-125h	Install Base Mounted L-861E Runway Threshold Light in Soil, Complete	at the unit price of: _____ dollars and _____ cents.	EA	16	\$	\$
L-125j	Install L-849 LED REIL System, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$

SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
L-125k	Install L-858 Guidance Sign, Size 1, Style 4, Complete	at the unit price of: _____ dollars and _____ cents.	EA	5	\$	\$

SCHEDULE I TOTAL \$ _____

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SCHEDULE II						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
C-105a	Mobilization (10% Max)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
L-108a	Install #8 AWG, L-824C, 5000V Wire	at the unit price of: _____ dollars and _____ cents.	LF	26,000	\$	\$
L-110a	Install 1-2" Sch. 40 PVC Duct, Direct Earth Buried	at the unit price of: _____ dollars and _____ cents.	LF	700	\$	\$
L-110d	Install 1-2" HDPE Duct, Directionally Bored	at the unit price of: _____ dollars and _____ cents.	LF	300	\$	\$
L-125i	Install Sponsor-Provided L-880 LED PAPI System, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$

SCHEDULE II TOTAL \$ _____

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METHOD OF MEASUREMENT

110-4.1 Underground conduits and duct banks shall be measured by the linear feet (meter) of conduits and duct banks installed, including encasement, locator tape, trenching and backfill with designated material, and restoration, and for drain lines, the termination at the drainage structure, all measured in place, completed, and accepted. Separate measurement shall be made for the various types and sizes.

BASIS OF PAYMENT

110-5.1 Payment will be made at the contract unit price per linear foot for each type and size of conduit and duct bank completed and accepted, including trench and backfill with the designated material, and, for drain lines, the termination at the drainage structure. This price shall be full compensation for removal and disposal of existing duct banks and conduits as shown on the plans, 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 per the provisions and intent of the plans and specifications.

Payment will be made under:

Item L-110a	Install 1-2" SCH. 40 PVC Duct, Direct Earth Buried – per linear foot
Item L-110b	Install 1-2" SCH. 40 PVC Duct, Concrete Encased in Existing Pavement – per linear foot
Item L-110c	Install 2-2" SCH. 40 PVC Duct, Concrete Encased in Existing Pavement – per linear foot
Item L-110d	Install 1-2" HDPE Duct, Directionally Bored – per linear foot

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 Circular (AC)

AC 150/5340-30	Design and Installation Details for Airport Visual Aids
AC 150/5345-53	Airport Lighting Equipment Certification Program

ASTM International (ASTM)

ASTM A615	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
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National Fire Protection Association (NFPA)

NFPA-70	National Electrical Code (NEC)
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Underwriters Laboratories (UL)

UL Standard 6	Electrical Rigid Metal Conduit - Steel
UL Standard 514B	Conduit, Tubing, and Cable Fittings
UL Standard 514C	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
UL Standard 1242	Electrical Intermediate Metal Conduit Steel
UL Standard 651	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
UL Standard 651A	Type EB and A Rigid PVC Conduit and HDPE Conduit

****END OF ITEM L-110****

All LED light fixtures, with the exception of obstruction lighting (AC 150/5345-43) must be warranted by the manufacturer for a minimum of 4 years after date of installation inclusive of all electronics.” Obstruction lighting warranty is set by the individual manufacturer.

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-861	2	1	N/A	N/A	L-867	White-Yellow	L-830	LED w/o heater
L-861T	2	1	N/A	N/A	L-867	Blue	L-830	LED w/o heater
L-861E	2	1	N/A	N/A	L-867	Red - Green	L-830	LED w/o heater

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-858	Size 1	Style 4	Class 1	Mode 2	

125-2.9 RUNWAY END IDENTIFIER LIGHT (REIL). The REIL fixtures shall meet the requirements of AC 150/5345-51, Type L-849I, Style E, LED.

125-2.10 PRECISION APPROACH PATH INDICATOR (PAPI). The light units for the PAPI shall meet the requirements of AC 150/5345-28, Type L-880, Style A, Class I, LED. The equipment shall be furnished by the Sponsor.

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 1A or 1B, 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.

precision approach path indicator 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-125a Remove Stake Mounted Runway/Taxiway Light in Soil, Complete – per each
- L-125b Remove Stake Mounted Runway/Taxiway Light in Existing Pavement, Complete – per each
- L-125c Install Base Mounted L-861T Taxiway Edge Light in Soil, Complete – per each
- L-125d Install Base Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete – per each
- L-125e Install Conduit Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete – per each
- L-125f Install Base Mounted L-861 Runway Edge Light in Existing Pavement, Complete – per each
- L-125g Install Conduit Mounted L-861 Runway Edge Light in Existing Pavement, Complete – per each
- L-125h Install Base Mounted L-861E Runway Threshold Light in Soil, Complete – per each
- L-125i Install Sponsor-Provided L-880 LED PAPI System, Complete – per each
- L-125j Install L-849 LED REIL System, Complete – per each
- L-125k Install L-858 Guidance Sign, Size 1, Style 4, Complete – 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
- 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

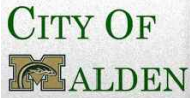
****END OF ITEM L-125****

Printed June 1, 2020 @ 4:13 PM by: Fernando Valenzano
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SUMMARY OF APPROXIMATE QUANTITIES						
ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I		SCHEDULE II	
			ESTIMATE	AS BUILT	ESTIMATE	AS BUILT
C-100a	Contractor Quality Control Program (CQCP)	LS	1		0	
C-102a	Sediment Control Log	EA	3		0	
C-105a	Mobilization (10% Max)	LS	1		1	
P-101a	Asphalt Pavement Removal	SY	50,200		0	
P-101b	Partial Depth Aggregate Base Removal and Recompact	SY	50,200		0	
P-101c	Joint and Crack Repair	LF	20,000		0	
P-152a	Unclassified Excavation	CY	2,600		0	
P-152b	Overexcavation and Replacement	CY	1,000		0	
P-208a	6" Aggregate Base Course	CY	8,350		0	
P-208b	Separation Geotextile	SY	50,200		0	
P-401a	Asphalt Paving Course	TON	11,000		0	
P-401b	PG 64-22 Asphalt Binder	TON	700		0	
P-603a	Emulsified Asphalt Tack Coat	GAL	3,500		0	
P-608Ra	Asphalt Surface Treatment	SY	34,900		0	
P-620a	Permanent White Pavement Markings	SF	45,700		0	
P-620b	Permanent Yellow Pavement Markings	SF	3,200		0	
P-620c	Black Pavement Markings	SF	24,100		0	
P-620d	Temporary White Pavement Markings	SF	45,700		0	
P-620e	Temporary Yellow Pavement Markings	SF	3,200		0	
P-620f	Pavement Marking Obliteration	SF	44,400		0	
T-901a	Seeding with Hydromulch	AC	12		0	
L-108a	Install #8 AWG, L-824C, 5000V Wire	LF	17,500		26,000	
L-108b	Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations	LF	17,000		0	
L-109a	Install L-828 Constant Current Regulator, Ferroresonant Type	EA	1		0	
L-110a	Install 1-2" Sch. 40 PVC Duct, Direct Earth Buried	LF	10,250		700	
L-110b	Install 1-2" Sch. 40 PVC Duct, Concrete Encased in Existing Pavement	LF	2,100		0	
L-110c	Install 2-2" Sch. 40 PVC Duct, Concrete Encased in Existing Pavement	LF	250		0	
L-110d	Install 1-2" HDPE Duct, Directionally Bored	LF	3,200		300	
L-115a	Install L-867B Junction Box, Complete	EA	63		0	
L-125a	Remove Stake Mounted Runway/Taxiway Light in Soil, Complete	EA	16		0	
L-125b	Remove Stake Mounted Runway/Taxiway Light in Existing Pavement, Complete	EA	43		0	
L-125c	Install Base Mounted L-861T Taxiway Edge Light in Soil, Complete	EA	4		0	
L-125d	Install Base Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete	EA	2		0	
L-125e	Install Conduit Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete	EA	16		0	
L-125f	Install Base Mounted L-861 Runway Edge Light in Existing Pavement, Complete	EA	1		0	

EARTHWORK SUMMARY		
AREA DESCRIPTION	CUT (CY)	FILL (CY)
SCHEDULE I		
PROJECT AREA	2,529	1,120
SCHEDULE SUBTOTAL	2,529	1,120
PROJECT TOTAL		
	2,529	1,120

JVIATION®



MALDEN
 REGIONAL AIRPORT

DES: D.W.C.

DR: L.A.R.

CH: C.L.G.

APP: B.S.G.

ISSUE RECORD

NO.	BY	DATE	DESCRIPTION
1	B.S.G.	5-14-20	ISSUED FOR BID
2	B.S.G.	06/01/20	ADDENDUM NO. 2

REHABILITATE RUNWAY 18/36
 AND PAPI RWY 18 AND RWY 36

SUMMARY OF APPROXIMATE QUANTITIES

MoDOT PROJ. NO.
 20-079A-1

JVIATION PROJ. NO.
 2020.MAW.02

SHEET NAME

G005

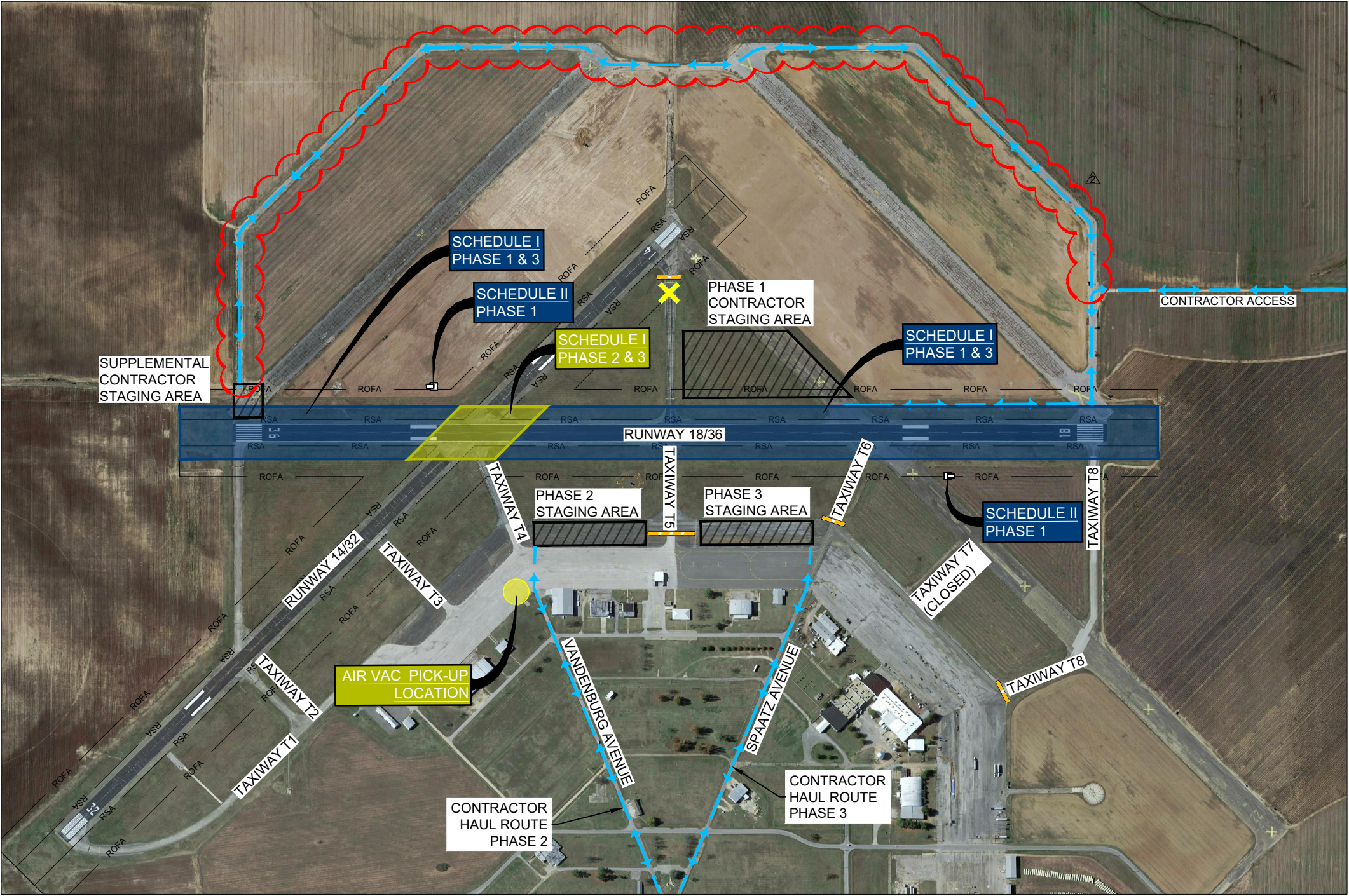
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6 of 87

ISSUED FOR BID

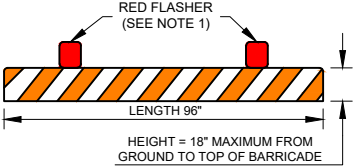


BRYAN S. GREGORY
 NAME
 REG. NO. 2006019659
 DATE 5-14-20
 FOR AND ON BEHALF OF JVIATION, INC.

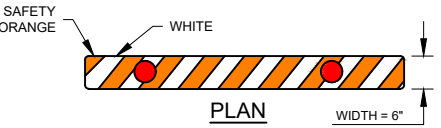


OVERALL PHASING LEGEND	
	CONTRACTOR HAUL ROUTE (2 WAY TRAFFIC)
	CONTRACTOR HAUL ROUTE (1 WAY TRAFFIC)
	RSA
	ROFA
	TSA
	TOFA
	RPZ
	NAVAID CRITICAL AREA
	AOA FENCE
	CONTRACTOR GATE ACCESS
	FLASHER BARRICADE

NOTE:
BATCH PLANTS AND SIMILAR STRUCTURES ARE NOT TO BE LOCATED WITHIN THE DESIGNATED STAGING AREAS. IF THE CONTRACTOR ELECTS TO ERECT A BATCH PLANT, A LOCATION ON AIRPORT PROPERTY AWAY FROM ACTIVE AIRFIELD PAVEMENT WILL BE DETERMINED IN COORDINATION WITH THE AIRPORT, CONTRACTOR AND ENGINEER.



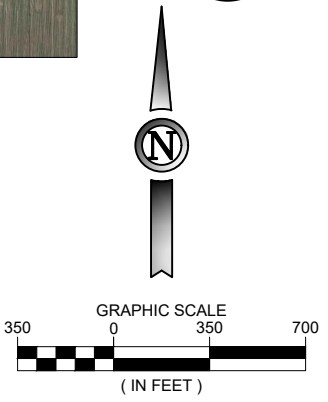
ELEVATION



PLAN

- FLASHER BARRICADES WILL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES. CONTRACTOR SHALL ALSO PROVIDE SPARE BARRICADES, BATTERIES, AND LIGHT BULBS FOR MAINTENANCE DURING NIGHTTIME HOURS.
- LOW-PROFILE BARRICADES TO BE PLACED AT 10' INTERVALS ADJACENT TO CONSTRUCTION, AS DIRECTED BY THE ENGINEER.
- BARRICADES ARE TO BE PLACED IN LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER THROUGHOUT ALL PHASES OF THE PROJECT. THE BARRICADE LOCATIONS PROVIDED ON THIS SHEET SHALL REMAIN THROUGHOUT CONSTRUCTION. ADDITIONAL BARRICADES WILL BE REQUIRED ACROSS PHASE SPECIFIC AREAS OF CLOSED PAVEMENT, AND ARE SHOWN ON PHASING SHEETS.
- FLASHER BARRICADES WILL BE REQUIRED ALONG THE EDGE OF ANY VERTICAL DROP OFF GREATER THAN 3". AIRPORT OPERATIONS WILL ISSUE NOTAM TO ADVISE AIRCRAFT OF THIS CONDITION
- FLASHER BARRICADES ARE TO BE ADEQUATELY WEIGHTED SO THEY WILL REMAIN IN PLACE DURING TIMES OF HIGH WINDS OR AS APPROVED BY THE ENGINEER.

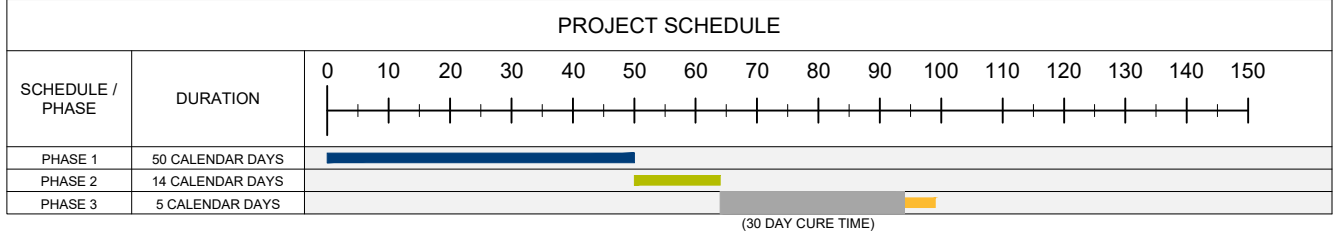
1 FLASHER BARRICADE DETAIL
NOT TO SCALE



ISSUED FOR BID

THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

BRYAN S. GREGORY5-14-20
NAMEREG. NO. DATE
FOR AND ON BEHALF OF JVIATION , INC.



SAFETY & OBJECT FREE AREAS	
RUNWAY 18/36 AND 14/32	
RUNWAY SAFETY AREA (RSA)	75' FROM RW CENTERLINE
RUNWAY EXTENDED SAFETY AREA (RSA)	300' FROM RW END
RUNWAY OBJECT FREE AREA (ROFA)	250' FROM RW CENTERLINE
RUNWAY OBSTACLE FREE ZONE (OFZ)	200' FROM RW CENTERLINE
TAXIWAYS	
TAXIWAY SAFETY AREA (TSA)	39.5' FROM TW CENTERLINE
TAXIWAY OBJECT FREE AREA (TOFA)	65.5' FROM TW CENTERLINE

JVIATION®

CITY OF MALDEN

MALDEN REGIONAL AIRPORT

DES: D.W.C.

DR: L.A.R.

CH: C.L.G.

APP: B.S.G.

ISSUE RECORD			
NO.	BY	DATE	DESCRIPTION
1	B.S.G.	5-14-20	ISSUED FOR BID
2	B.S.G.	05/27/20	ADDENDUM NO. 2

REHABILITATE RUNWAY 18/36 AND PAPI RWY 18 AND RWY 36

CONSTRUCTION SAFETY DRAWING
OVERALL PHASING PLAN

MoDOT PROJ. NO. 20-079A-1

JVIATION PROJ. NO. 2020.MAW.02

SHEET NAME G050

SHEET NO. 14 of 87

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1. COORDINATION

ALL COORDINATION WILL TAKE PLACE THROUGH THE RESIDENT ENGINEER AND MALDEN REGIONAL AIRPORT (MAW). NO CLOSURES WITHIN THE MOVEMENT AREAS WILL BE PERMITTED WITHOUT A NOTAM IN PLACE FOR EACH SPECIFIC CLOSURE. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL GIVE 72 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER AND MAW PERSONNEL FOR FILING OF ALL NOTAMS.

A WEEKLY CONSTRUCTION PROGRESS MEETING WILL BE REQUIRED TO DISCUSS ALL OPERATIONAL SAFETY TOPICS THAT HAVE BEEN AFFECTED OR WILL BE AFFECTED IN THE NEAR FUTURE. IN ATTENDANCE WILL BE THE CONTRACTOR, RESIDENT ENGINEER, AND MAW PERSONNEL.

ANY CHANGES TO SCOPE OR SCHEDULE MUST BE NOTIFIED TO THE RESIDENT ENGINEER AND MAW PERSONNEL. ALL PARTIES WILL EVALUATE THE IMPACT OF THE CHANGE AND WILL DETERMINE THE MEASURES NEEDED TO MAINTAIN A SAFE CONSTRUCTION SITE.

AIRPORT RUNWAYS AND TAXIWAYS SHOULD REMAIN IN USE BY AIRCRAFT TO THE MAXIMUM EXTENT POSSIBLE.

AIRCRAFT USE OF AREAS NEAR THE CONTRACTOR'S WORK SHOULD BE CONTROLLED TO MINIMIZE DISTURBANCE TO THE CONTRACTOR'S OPERATION.

CONSTRUCTION THAT IS WITHIN THE SAFETY AREA OF AN ACTIVE RUNWAY, TAXIWAY, OR APRON MUST BE PERFORMED WHEN THE RUNWAY, TAXIWAY, OR APRON IS CLOSED OR USE-RESTRICTED AND INITIATED ONLY WITH PRIOR PERMISSION FROM THE AIRPORT OPERATOR AND WITH PROPER NOTAMS IN PLACE.

THE CONTRACTING OFFICER, AIRPORT OPERATOR, OR OTHER DESIGNATED AIRPORT REPRESENTATIVE MAY ORDER THE CONTRACTOR TO SUSPEND OPERATIONS; MOVE PERSONNEL, EQUIPMENT, AND MATERIALS TO A SAFE LOCATION; BARRICADE ANY OPEN TRENCHES AND STAND BY UNTIL AIRCRAFT USE IS COMPLETED.

2. PHASING

THIS PROJECT CONSISTS OF THREE PHASES. SEE CONSTRUCTION SAFETY DRAWINGS FOR PHASING REQUIREMENTS.

CONTRACTOR TO NOTIFY RESIDENT ENGINEER AND MAW IF A CHANGE IN SCHEDULE IS NEEDED.

3. AREAS AND OPERATIONS AFFECTED BY CONSTRUCTION ACTIVITY

ALL WORK WITHIN AIRPORT OPERATIONS AREA (AOA) SHALL CONFORM TO ADVISORY CIRCULAR 150/5370-2G, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

CONTRACTOR SHALL ADHERE TO REQUIREMENTS AS MENTIONED ON THIS SHEET, THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), AND CONSTRUCTION SAFETY DRAWINGS. THESE REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO, LIFE & SAFETY ACCESS ROUTES, AIRCRAFT ROUTES, PEDESTRIAN ROUTES, CONSTRUCTION ACCESS ROUTES, CONSTRUCTION LIMITS, AND BARRICADE LOCATIONS.

4. PROTECTION OF NAVIGATION AIDS (NAVAIDS)

NAVIGATIONAL AIDS INCLUDE INSTRUMENT LANDING SYSTEM COMPONENTS AND VERY HIGH-FREQUENCY OMNIDIRECTIONAL RANGE, AIRPORT SURVEILLANCE RADAR. SUCH RESTRICTED AREAS ARE DEPICTED ON CONSTRUCTION PLANS.

DURING CONSTRUCTION, NO NAVAID EQUIPMENT WILL BE RELOCATED. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING NAVAIDS AND WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE AIRPORT.

5. CONTRACTOR ACCESS

CONTRACTOR SHALL HAVE UNESCORTED ACCESS TO THE AOA. THE CONTRACTOR SHALL GET APPROVAL FROM RESIDENT ENGINEER PRIOR TO WORKING IN OR NEAR THE AOA.

CONTRACTOR MOVEMENT SHALL BE RESTRICTED TO THE PRE-DETERMINED ACCESS ROUTES AS SHOWN ON CONSTRUCTION SAFETY DRAWINGS.

ALL VEHICLES AND EQUIPMENT OPERATING IN THE AOA MUST BE IDENTIFIED CLEARLY WITH 8-INCH (MINIMUM) BLOCK-TYPE CHARACTERS OF A CONTRASTING COLOR AND EASY TO READ. IN ADDITION, VEHICLES MUST DISPLAY IDENTIFICATION MEDIA, AS SPECIFIED IN THE APPROVED AIRPORT SECURITY PLAN.

ALL VEHICLES AND EQUIPMENT OPERATING IN THE AOA MUST HAVE FLAG (DAY ONLY) OR BEACON (DAY AND NIGHT) ATTACHED TO THE VEHICLE.

CONTRACTOR IS REQUIRED TO ADHERE TO ALL RULES AND REGULATIONS AS SET BY MAW AND ADVISORY CIRCULAR 150/5370-2G, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

VEHICLE TRAFFIC LOCATED IN OR CROSSING AN ACTIVE MOVEMENT AREA BE IN RADIO CONTACT WITH THE CTAF/UNICOM TOWER. THE DRIVER, THROUGH PERSONAL OBSERVATION, SHOULD CONFIRM THAT NO AIRCRAFT IS APPROACHING THE VEHICLE POSITION. CONTRACTOR PERSONNEL MAY OPERATE IN THE MOVEMENT AREA WITHOUT TWO-WAY RADIO COMMUNICATION PROVIDED A NOTAM IS ISSUED CLOSING THE AREA AND THE AREA IS PROPERLY MARKED TO PREVENT INCURSIONS. CONTINUOUS MONITORING IS REQUIRED ONLY WHEN EQUIPMENT MOVEMENT IS NECESSARY IN CERTAIN AREAS.

CONTRACTOR IS REQUIRED TO NOTIFY AND COORDINATE WITH THE RESIDENT ENGINEER AND AIRPORT OPERATIONS PRIOR TO ENTERING ANY ACTIVE SURFACE SAFETY AREAS OR OBJECT FREE AREAS.

CONTRACTOR, SUBCONTRACTOR, AND SUPPLIER EMPLOYEES OR ANY UNAUTHORIZED PERSONS ARE RESTRICTED FROM ENTERING AN AIRPORT AREA THAT WOULD BE HAZARDOUS.

6. WILDLIFE MANAGEMENT

CONTRACTOR SHALL ADHERE TO ALL WILDLIFE MANAGEMENT PRACTICES AS STATED IN ADVISORY CIRCULAR 150/5200-33B, HAZARDOUS WILDLIFE ATTRACTIONS ON OR NEAR AIRPORTS, AND CERTALERT 98-08, GRASSES ATTRACTIVE TO HAZARDOUS WILDLIFE.

CONTRACTOR IS RESPONSIBLE FOR COMPLETING A DAILY INSPECTION FOR TRASH, FOREIGN OBJECTS, AND STANDING WATER ON THE CONSTRUCTION SITE THAT MIGHT ATTRACT WILDLIFE.

CONTRACTOR SHALL MAINTAIN ALL FENCES AND GATES THROUGHOUT THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER.

CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER WHEN A WILDLIFE SIGHTING HAS OCCURRED ON THE PROJECT SITE.

7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

CONTRACTOR SHALL KEEP ALL PAVEMENTS IN THE AOA INCLUDING APRONS, TAXIWAYS, AND RUNWAYS FREE FROM FOD AT ALL TIMES TO PREVENT ANY DEBRIS FROM BEING INGESTED INTO AN AIRCRAFT'S ENGINE OR ANY DEBRIS FROM BEING LAUNCHED DUE TO JET BLAST.

CONTRACTOR IS REQUIRED TO CONTINUOUSLY MONITOR AND MAINTAIN FOD TO THE SATISFACTION OF THE RESIDENT ENGINEER.

PRIOR TO OPENING ANY PAVEMENT TO AIRCRAFT, THE CONTRACTOR, RESIDENT ENGINEER, AND AIRPORT OPERATIONS SHALL CONDUCT A SWEEP OF THE PAVEMENT TO VERIFY THAT THE PAVEMENT IS FREE FROM FOD.

THE CONTRACTOR IS ADVISED THAT DUST CONTROL, CLEANUP OF ACTIVE PAVEMENTS, TRACKING DEBRIS ONTO ACTIVE PAVEMENT AND GENERAL JOBSITE CLEANLINESS IS A SERIOUS SAFETY CONCERN. FOREIGN OBJECT DEBRIS (FOD) IS CONSIDERED AS ANY ITEM THAT COULD POSSIBLY IMPACT THE OPERATIONS OF AN AIRPORT OR ROADWAY. FOD COULD CAUSE INJURY OR DEATH THROUGH INGESTION IN MOVING AIRCRAFT ENGINES. SPECIFIC ITEMS OF CONCERN INCLUDE, BUT ARE NOT LIMITED TO; ANY PACKAGING FROM MATERIAL INSTALLATION, GRAVEL LEFT ON ACTIVE PAVEMENTS, DUST TRACKED ONTO ACTIVE PAVEMENTS, HAND TOOLS, HARDWARE DROPPED, ETC.

8. HAZARDOUS MATERIAL (HAZMAT) MANAGEMENT

CONTRACTOR SHALL NOTIFY RESIDENT ENGINEER AND AIRPORT EMERGENCY PERSONNEL IF HAZARDOUS MATERIALS ARE ENCOUNTERED ON THIS PROJECT.

9. NOTIFICATION OF CONSTRUCTION ACTIVITIES

AGENCY NAME	AGENCY TYPE	TELEPHONE
AIRPORT EMERGENCY	911 EMERGENCY RESPONSE	911
MALDEN POLICE DEPARTMENT	SHERIFF / POLICE	(573) 276-2211 OR 911
MALDEN FIRE DEPARTMENT	FIRE RESCUE	(573) 276-4514 OR 911
FIRST FLIGHT	FBO	(573) 776-4406
MALDEN REGIONAL AIRPORT	AIRPORT	(573) 276-2279

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR MUST, THROUGH THE RESIDENT ENGINEER AND AIRPORT, GIVE NOTICE USING THE NOTICE TO AIRMEN (NOTAM) SYSTEM OF PROPOSED LOCATION, TIME, AND DATE OF COMMENCEMENT OF CONSTRUCTION. THE NOTAM SHOULD STATE THAT "PERSONNEL AND EQUIPMENT ARE WORKING ADJACENT TO RUNWAY 18/36 AND ASSOCIATED TAXIWAY CONNECTORS." ALL NOTAMS SHALL BE ISSUED BY MAW. UPON COMPLETION OF WORK AND RETURN OF ALL SUCH AREAS TO STANDARD CONDITIONS, THE CONTRACTOR MUST COORDINATE WITH THE RESIDENT ENGINEER AND VERIFY THE CANCELLATION OF ALL NOTICES ISSUED VIA THE NOTAM SYSTEM. THROUGHOUT THE PROJECT DURATION, THE CONTRACTOR MUST:

- A. BE AWARE OF AND UNDERSTAND THE SAFETY PROBLEMS AND HAZARDS DESCRIBED IN ADVISORY CIRCULAR 150/5370-2G, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.

B. CONDUCT ACTIVITIES SO AS NOT TO VIOLATE ANY SAFETY STANDARDS CONTAINED IN ADVISORY CIRCULAR 150/5370-2G OR ANY OF THE REFERENCES THEREIN.

C. INSPECT ALL CONSTRUCTION AND STORAGE AREAS AS OFTEN AS NECESSARY TO BE AWARE OF CONDITIONS.

D. PROMPTLY TAKE ALL ACTIONS NECESSARY TO PREVENT OR REMEDY ANY UNSAFE OR POTENTIALLY UNSAFE CONDITIONS AS SOON AS THEY ARE DISCOVERED.

E. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS, PROVISIONS, AND PROCEDURES OUTLINED IN CONSTRUCTION SAFETY PHASING PLAN (SEE DIV. 6 OF THE CONTRACT DOCUMENTS).

9. NOTIFICATION OF CONSTRUCTION ACTIVITIES (CONTINUED)

ANY CHANGES TO SCOPE OR SCHEDULE MUST BE NOTIFIED TO THE RESIDENT ENGINEER AND MAW OPERATIONS AND DEVELOPMENT MANAGER SO THAT NOTAMS CAN BE ISSUED, MAINTAINED, AND CANCELED.

IN AN EVENT OF AN EMERGENCY, CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER, MAW OPERATIONS MANAGER, AND AIRPORT EMERGENCY.

10. INSPECTION REQUIREMENTS

CONTRACTOR SHALL COMPLETE A DAILY INSPECTION FOR SAFETY ON THE PROJECT SITE BY COMPLETING THE CHECKLIST PROVIDED IN ADVISORY CIRCULAR 150/5370-2G, APPENDIX D, CONSTRUCTION PROJECT DAILY SAFETY INSPECTION CHECKLIST.

THE CONTRACTOR, RESIDENT ENGINEER AND AIRPORT OPERATOR MUST PERFORM ONSITE INSPECTIONS THROUGHOUT THE PROJECT, WITH IMMEDIATE REMEDY OF ANY DEFICIENCIES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR SCOPE CHANGE.

CONTRACTOR SHALL COMPLETE A FINAL INSPECTION FOR SAFETY ON THE PROJECT SITE AT THE END OF EACH PHASE.

11. APPROACH CLEARANCE TO RUNWAYS

RUNWAY THRESHOLDS MUST PROVIDE AN UNOBSTRUCTED APPROACH SURFACE OVER EQUIPMENT AND MATERIALS. (REFER TO CHAPTER 3 IN ADVISORY CIRCULAR 150/5300-13A, AIRPORT DESIGN, FOR GUIDANCE.

12. RUNWAY AND TAXIWAY VISUAL AIDS

FLASHER BARRICADES, CLOSED 'X' MARKINGS AND RUNWAY CLOSURE MARKERS (RCMS) ARE TO BE PLACED AS DETAILED IN THE PLANS AND IN ALL DESIGNATED AREAS AS SHOWN ON THE CONSTRUCTION SAFETY DRAWINGS.

APPROVED FLASHER BARRICADES SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR.

CLOSED 'X' MARKINGS SHALL BE PROVIDED BY THE CONTRACTOR AND MAINTAINED BY THE CONTRACTOR.

CONTRACTOR TO COVER ALL TAXIWAY EDGE LIGHTS, TAXIWAY SIGNS, RUNWAY SIGNS, AND APRON EDGE LIGHTS FOR AREAS CLOSED BY NOTAM TO THE APPROVAL OF THE RESIDENT ENGINEER.

13. MARKING AND SIGNS FOR ACCESS ROUTES

ALL REQUIRED SIGNS AND MARKINGS SHALL CONFORM TO ADVISORY CIRCULAR 150/5340-18F, STANDARD FOR AIRPORT SIGN SYSTEMS, OR THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

ALL SIGNS ADJACENT TO AREAS USED BY AIRCRAFT MUST COMPLY WITH THE FRANGIBLE REQUIREMENTS AS STATED IN ADVISORY CIRCULAR 150/5220-23A, FRANGIBLE CONNECTIONS.

14. HAZARD MARKINGS AND LIGHTING

PRIOR TO CLOSING ANY AREAS IN THE AOA TO AIRCRAFT OR EMERGENCY TRAFFIC, CONTRACTOR MUST CLEARLY DEFINE CLOSED AREAS WITH WARNING LIGHTS, BARRICADES, CLOSED 'X' MARKINGS, RCMS, AND FLAGS TO THE APPROVAL OF THE RESIDENT ENGINEER. CONTRACTOR TO REFER TO CONSTRUCTION SAFETY DRAWINGS.

HAZARDOUS AREAS ON THE MOVEMENT AREA WILL BE MARKED WITH FLASHER BARRICADES. THESE BARRICADES RESTRICT ACCESS AND MAKE HAZARDS OBVIOUS TO AIRCRAFT, PERSONNEL, AND VEHICLES. DURING PERIODS OF LOW VISIBILITY AND AT NIGHT, IDENTIFY HAZARDOUS AREAS WITH RED FLASHING LIGHTS.

OPEN TRENCHES AND EXCAVATIONS MUST BE PROMINENTLY MARKED WITH RED OR ORANGE FLAGS AND LIGHTS AS APPROVED BY THE RESIDENT ENGINEER.

15. PROTECTION OF RUNWAY AND TAXIWAY AREAS

SAFETY AREAS - CONTRACTOR SHALL NOT IMPEDE ON THE SAFETY AREAS WITHOUT A CLOSURE OF THE RUNWAY/TAXIWAY BY MEANS OF A NOTAM.

OBJECT FREE AREAS - CONTRACTOR SHALL NOT PLACE EQUIPMENT, MATERIAL, OR STOCKPILES IN THIS AREA. ALL OBJECTS OR MATERIALS ADJACENT TO THIS AREA SHALL BE PROPERLY MARKED/LIT PER ADVISORY CIRCULAR 150/5370-2G. CONTRACTOR CANNOT WORK IN ACTIVE TAXIWAY OBJECT FREE AREA WITHOUT WING WALKERS TO MAINTAIN A 5' CLEARANCE FROM THE WINGSPAN OF THE AIRCRAFT TO CONSTRUCTION EQUIPMENT OR MATERIAL.

OBSTACLE FREE ZONE- CONTRACTOR TO PREVENT PERSONNEL, MATERIAL, AND/OR EQUIPMENT FROM PENETRATING THE OBSTACLE FREE ZONE AS DEFINED IN ADVISORY CIRCULAR 150/5300-13A.

16. AIRPORT SECURITY

CONTRACTOR SHALL ADHERE TO AIRPORT SECURITY REQUIREMENTS AT ALL TIMES.

17. OTHER LIMITATIONS ON CONSTRUCTION

PROHIBITING OPEN-FLAME WELDING OR TORCH CUTTING OPERATIONS UNLESS ADEQUATE FIRE SAFETY PRECAUTIONS ARE PROVIDED AND THESE OPERATIONS HAVE BEEN AUTHORIZED BY THE AIRPORT OPERATOR (AS TAILORED TO CONFORM TO LOCAL REQUIREMENTS AND RESTRICTIONS).

PROMINENTLY MARKING OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION AND LIGHTING THESE OBSTACLES DURING HOURS OF RESTRICTED VISIBILITY AND DARKNESS.

MARKING AND LIGHTING CLOSED, DECEPTIVE, AND HAZARDOUS AREAS ON AIRPORTS, AS APPROPRIATE. CONSTRAINING STOCKPILED MATERIAL TO PREVENT ITS MOVEMENT AS A RESULT OF THE MAXIMUM ANTICIPATED AIRCRAFT BLAST AND FORECAST WIND CONDITIONS.

NO USE OF TALL EQUIPMENTS (CRANES, CONCRETE PUMPS, AND SO ON) UNLESS A FAA 7460-1 DETERMINATION LETTER IS ISSUED FOR SUCH EQUIPMENT.

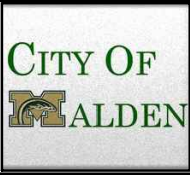
NO USE OF ELECTRICAL BLASTING CAPS ON OR WITHIN 1,000' OF THE AIRPORT PROPERTY.

NO USE OF FLARE POTS WITHIN THE AOA.

18. DUST CONTROL

CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST FROM THE CONSTRUCTION SITE AT ALL TIMES. CONTRACTOR SHALL HAVE A WATER TRUCK AND OPERATOR AVAILABLE 24 HOURS A DAY TO CONTROL DUST. THE PROJECT'S LOCATION IS NEAR ACTIVE RUNWAYS AND HIGHWAYS AND IS IN A LOCATION THAT EXPERIENCES HIGH WIND. IT IS CRITICAL FOR THE CONTRACTOR TO KEEP DUST TO AN ABSOLUTE MINIMUM BOTH DURING CONSTRUCTION, AND AFTER CONSTRUCTION UNTIL THE EXPOSED SURFACES CONTAIN SUSTAINABLE VEGETATION. CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER AND AIRPORT OPERATIONS WITH A CONTACT FOR 24 HOUR DUST CONTROL.

ISSUED FOR BID		
THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:		
BRYAN S. GREGORY	5-14-20	
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF JVIATION , INC.		



MALDEN
REGIONAL AIRPORT

DES: D.W.C.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
CH: C.L.G.				
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

CONSTRUCTION SAFETY
NOTES AND DETAILS

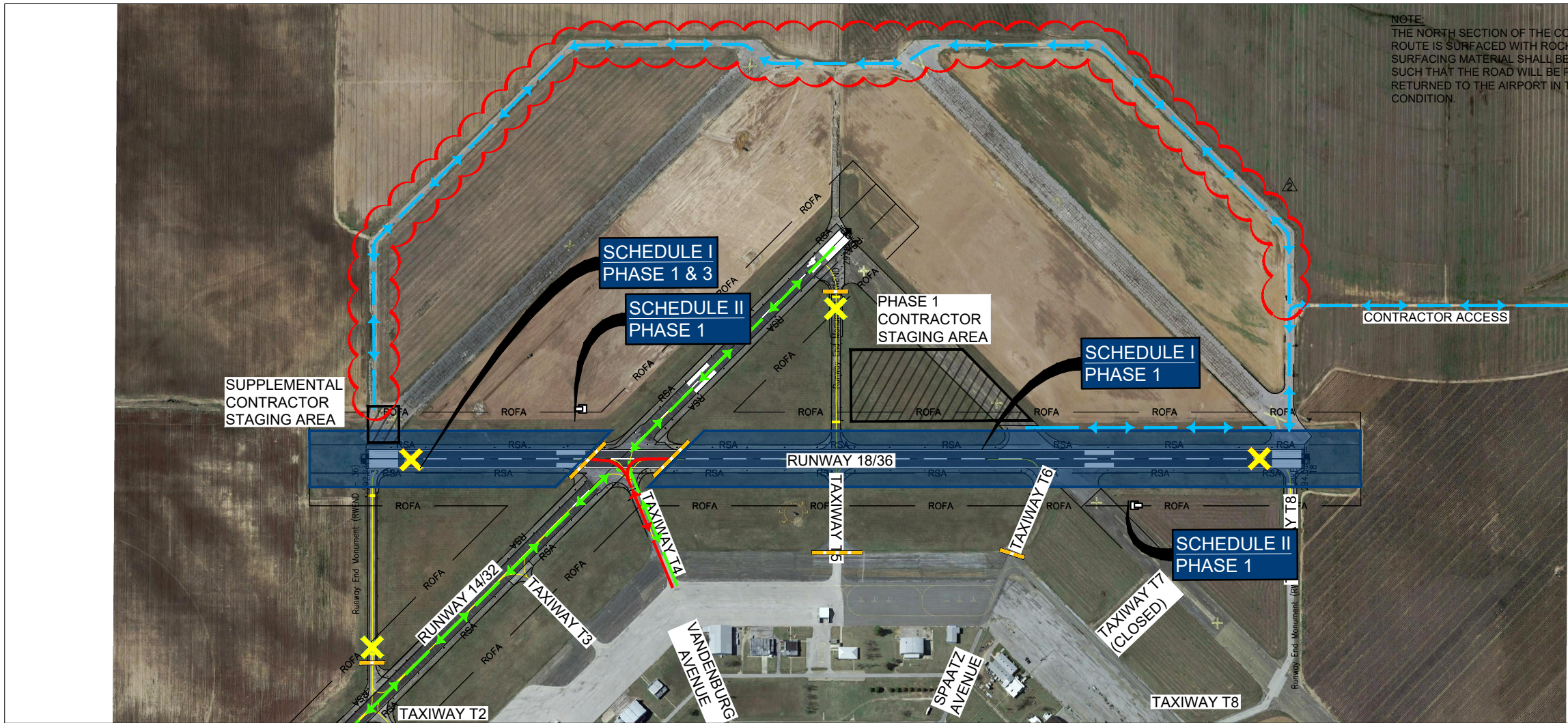
MoDOT PROJ. NO. 20-079A-1	JVIATION PROJ. NO. 2020.MAW.02
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SHEET NAME

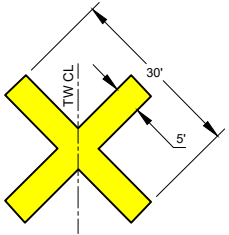
G051

SHEET NO.

15 of 87



PHASING LEGEND	
	LIFE & SAFETY ROUTE
	AIRCRAFT TAXI ROUTE
	CONTRACTOR HAUL ROUTE (2 WAY TRAFFIC)
	RSA RUNWAY SAFETY AREA
	ROFA RUNWAY OBJECT FREE AREA
	TSA TAXIWAY SAFETY AREA
	TOFA TAXIWAY OBJECT FREE AREA
	RPZ RUNWAY PROTECTION ZONE
	NAVAID CRITICAL AREA
	AOA FENCE
	FLASHER BARRICADE
	RUNWAY CLOSURE MARKER
	TAXIWAY CLOSURE MARKER

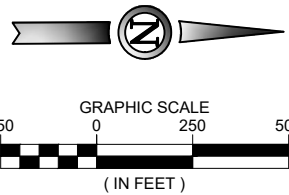


CONSTRUCT CLOSED RUNWAY "X" WITH ANY OF THE FOLLOWING:
DOUBLE-LAYERED PAINTED SNOW FENCE, COLORED PLASTIC, PAINTED SHEETS OF PLYWOOD OR SIMILAR MATERIALS. CONTRACTOR TO ENSURE THAT MATERIALS ARE PROPERLY CONFIGURED AND SECURED TO PREVENT MOVEMENT FROM JET BLAST OR WIND. CLOSED TAXIWAY "X" SHALL BE LESS THAN 3-INCHES THICK.

1 RUNWAY CLOSURE "X" DETAIL
NOT TO SCALE

CONSTRUCTION PHASING NOTES PHASE 1 - 50 CALENDAR DAYS

SCHEDULE I/II PHASE 1	MAJOR WORK TO BE COMPLETED	NOTES	IMPACTS ON OPERATIONS
DURATION 50 CALENDAR DAYS - PHASE 1 MUST BE PERFORMED PRIOR TO PHASE 2 AND PHASE 3 CONTRACTOR ACCESS TIMES 24 HOUR ACCESS TO APPROVED WORK AREAS ALL AIRPORT OPERATIONS AREAS SHALL REMAIN OPEN AND UNAFFECTED DURING THIS SCHEDULE WITH THE FOLLOWING EXCEPTIONS: - RUNWAY 18/36 WILL BE CLOSED - TAXIWAY T2 (WEST OF RW 14/32), T5, T6 AND T8 WILL BE CLOSED - RUNWAY 14/32 WILL BE OPEN AT ALL TIMES	SITE PREPARATION - MOBILIZATION - TRAFFIC CONTROL - EROSION CONTROL MEASURES - ELECTRICAL REMOVALS - FULL DEPTH PAVEMENT RECLAMATIONS - ASPHALT AND PARTIAL BASE REMOVAL - PAVEMENT MARKING REMOVALS EARTHWORK - GRADING ADJACENT TO RUNWAY 18/36 - PROOF ROLL EXISTING SUBGRADE PAVEMENT SECTION - AGGREGATE BASE COURSE - ASPHALT BASE AND SURFACE COURSES - SEAL COAT SHOULDERS AND CONNECTORS UTILITY - RUNWAY EDGE LIGHTS - RUNWAY THRESHOLD LIGHTS - REILS - PAPI'S (SCHEDULE II) SITE RECLAMATION - SEEDING WITH HYDROMULCH	SCHEDULE I - PHASE 1 - BACK TAXIING ON RW 14/32, WEST OF RW 18/36, WILL BE REQUIRED FOR AIRCRAFT OPERATIONS DURING PHASE 1 CONSTRUCTION. - AIRFIELD SIGNS PROVIDING DIRECTIONS TO CLOSED AREAS SHALL BE COVERED. ALL AREAS CLOSED TO AIRCRAFT SHALL NOT BE LIGHTED. ADEQUATE LIGHTING, IN THE OPINION OF THE RESIDENT ENGINEER, SHALL BE PROVIDED TO DELINEATE THE ACTIVE AND CLOSED AREAS OF THE AOA. THE ABOVE ITEMS ARE CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS. CONTRACTOR METHOD FOR COVERING OF LIGHTS AND SIGNS SHALL BE APPROVED BY ENGINEER. SHALL PREVENT DAMAGE TO THE EQUIPMENT AND SHALL BE SECURED TO PROTECT AGAINST JET BLAST AND MUD. - ALL COMPONENTS OF THE AIRFIELD LIGHTING SYSTEM OUTSIDE OF THE PROJECT AREA AND CLOSED PORTIONS OF THE AIRFIELD SHALL BE OPERATIONAL AT THE END OF EACH WORK SHIFT AND FOR EVERY PERIOD OF LOW VISIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY JUMPER AND OTHER EQUIPMENT NECESSARY TO MAINTAIN AN OPERATIONAL SYSTEM DURING CONSTRUCTION. TEMPORARY JUMPERS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS. ALL TEMPORARY JUMPERS SHALL BE INSTALLED IN CONDUIT. - PRIOR TO BEGINNING ANY ELECTRICAL DEMOLITION THE CONTRACTOR SHALL PROVIDE A PLAN TO THE ENGINEER DETAILING THE INSTALLATION OF ALL REQUIRED TEMPORARY JUMPERS. THE PLAN SHALL SHOW THE LOCATIONS AND INSTALLATION TECHNIQUES OF ALL JUMPERS AND SHALL DEMONSTRATE TO THE ENGINEER THE CONTRACTOR'S PLAN TO MAINTAIN THE INTEGRITY OF THE AIRFIELD CIRCUITS FOR THE DURATION OF CONSTRUCTION.	- NOTAMS WILL BE REQUIRED FOR ALL CLOSED AIRCRAFT OPERATING AREAS PRIOR TO CLOSURE. 48 HOURS ADVANCE NOTICE WILL BE GIVEN BY CONTRACTOR PRIOR TO CLOSURE. - THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES. - THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS TO THE AIRFIELD AT ALL TIMES. - NO WORK, OPEN EXCAVATIONS, EQUIPMENT, STOCKPILES, OR PERSONNEL ARE ALLOWED IN THE SAFETY AREAS OR OBJECT FREE AREAS FOR ANY ACTIVE TAXIWAY OR SAFETY AREAS OR OBSTACLE FREE ZONE FOR AN ACTIVE RUNWAY WHEN THE AIRPORT IS OPEN. - ALL SAFETY AREAS, OBSTACLE FREE ZONES, AND OBJECT FREE AREAS FOR ACTIVE AIRPORT PAVEMENTS ARE OFF LIMITS TO THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM AIRPORT OPERATIONS. - PRIOR TO OPENING A RUNWAY OR TAXIWAY, ALL EXCAVATIONS AND TRENCHES IN THE SAFETY AREAS SHALL BE BACKFILLED AND COMPACTED TO P-152 SPECIFICATIONS. GRADING WITHIN THE SAFETY AREA SHALL CONFORM TO AC 150/5300-13A, CHAPTER 3. - AIRPORT PERIMETER SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. - RUNWAY CLOSURE MARKERS SHALL BE INSTALLED ON RUNWAY 18/36. SEE SHEET G052 FOR ADDITIONAL INFORMATION. - ALL STOCKPILES OR EQUIPMENT ADJACENT TO OBJECT FREE AREAS SHALL BE MARKED AND LIGHTED PER AC 150/5370-2G. - THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN AND WORK PLAN FOR THIS SCHEDULE OF WORK. - THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. THE CONTRACTOR SHALL CLEAN ANY DEBRIS FROM AIRFIELD PAVEMENTS A HALF HOUR PRIOR TO INSPECTION BY AIRPORT. - THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION TRAFFIC LIMITED TO THE APPROVED HAUL ROUTES AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED ALONG THE HAUL ROUTES OR CONSTRUCTION ACCESS ROUTES TO THE PROJECT SITE. PRIOR TO HAULING OPERATIONS, THE CONTRACTOR SHALL EVALUATE THE PROPOSED HAUL ROUTES TO DETERMINE THE ABILITY OF THE HAUL ROUTE(S) TO HANDLE THE CONTRACTOR'S EQUIPMENT. - PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADING, AND SEED PLACEMENT. - AIRFIELD PAVEMENT MARKINGS SHALL BE REMOVED TO CLOSED TAXIWAYS AND CONNECTORS. MARKINGS SHALL BE REINSTALLED PRIOR TO REOPENING TAXIWAYS AND CONNECTORS.

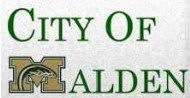


ISSUED FOR BID

THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

BRYAN S. GREGORY 5-14-20
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

JVIATION®



MALDEN
REGIONAL AIRPORT

DES.D.W.C.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
CH: C.L.G.	2	B.S.G.	05/27/20	ADDENDUM NO. 2
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

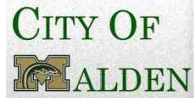
CONSTRUCTION SAFETY DRAWING
PHASE 1

MoDOT PROJ. NO. 20-079A-1 JVIATION PROJ. NO. 2020.MAW.02

SHEET NAME
G052
SHEET NO.
16 of 87

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C:\MAW\Proj\18-36 Rehab CAD\PLANS\18-36 Runway 18-36 E200 ELEC.DWG

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REGIONAL AIRPORT

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DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
CH: C.L.G.	2	B.S.G.	06/01/20	ADDENDUM NO. 2
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL LAYOUT PLAN
STA. 0+00.00 TO STA. 3+00.00
RUNWAY 18/36

MoDOT PROJ. NO.
20-079A-1

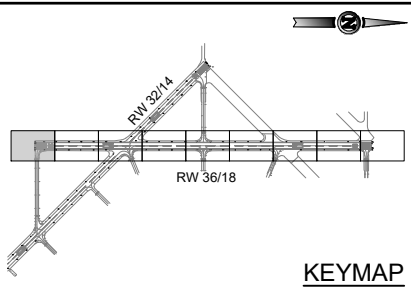
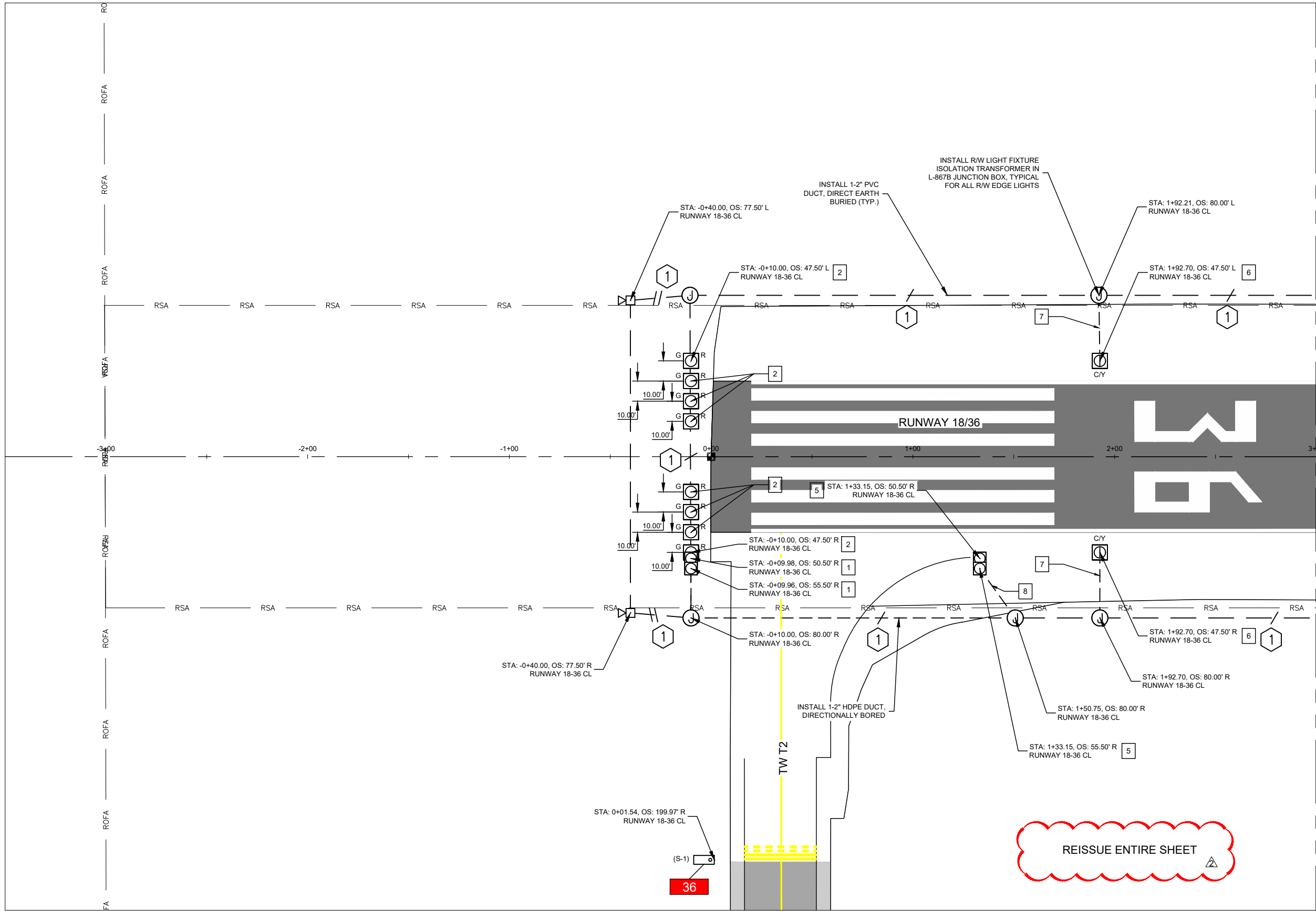
JVIATION PROJ. NO.
2020.MAW.02

SHEET NAME

E200

SHEET NO.

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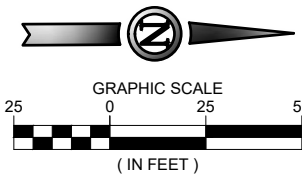


GENERAL NOTES

- SEE SHEET E001 FOR ELECTRICAL LEGEND
- SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
- SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
- SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
- SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
- SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.

PLAN NOTES

- INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
- INSTALL L-861E LED RUNWAY THRESHOLD LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
- INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
- INSTALL L-861 LED RUNWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250
- INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
- INSTALL L-861 LED RUNWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
- INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
- INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.



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BRYAN S. GREGORY

5-14-20

NAME

REG. NO.

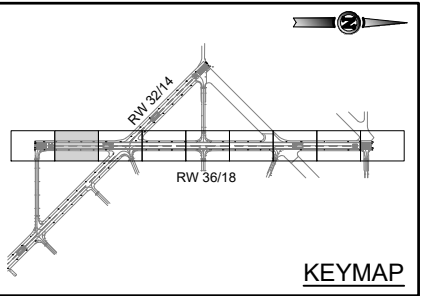
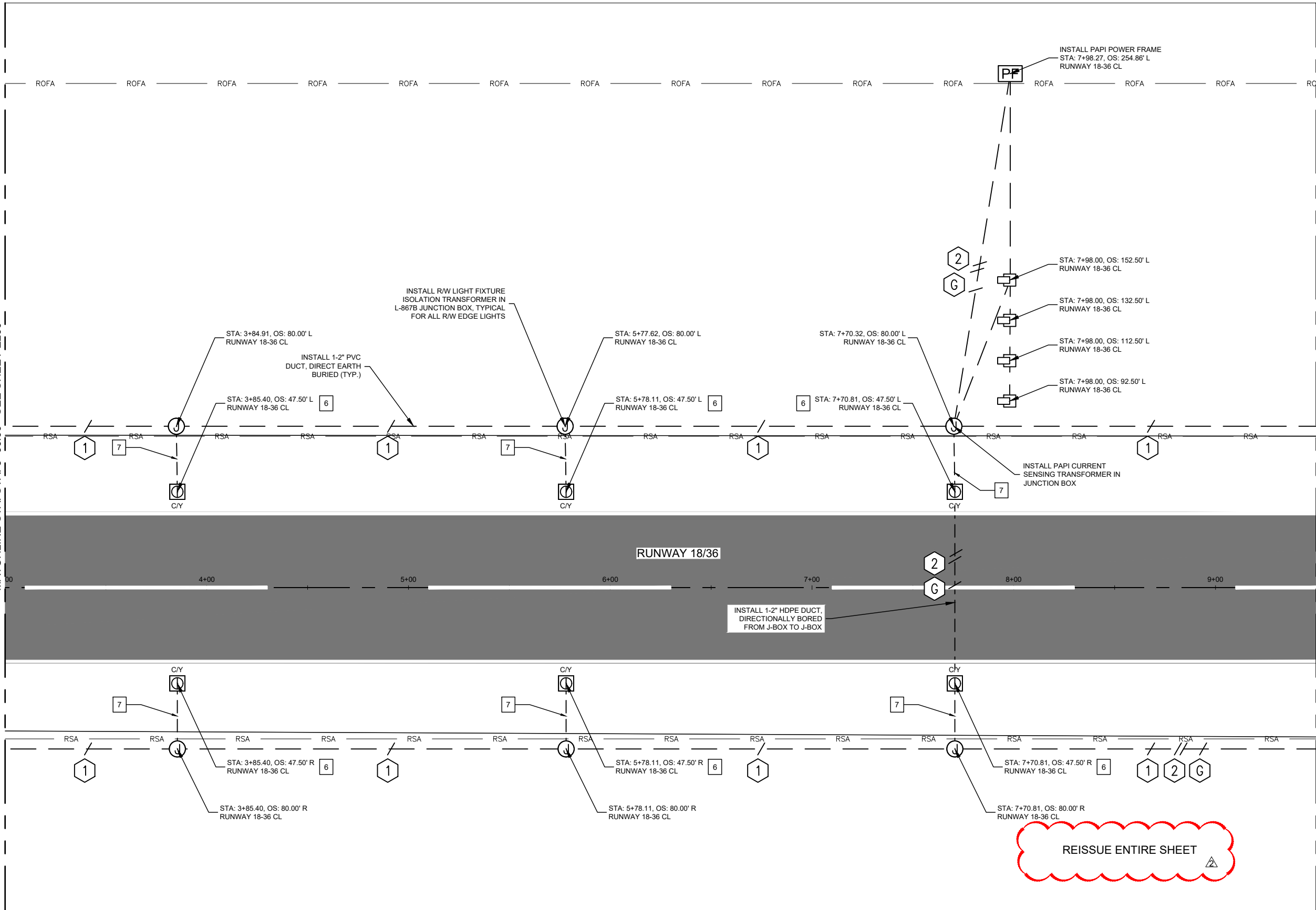
DATE

FOR AND ON BEHALF OF JVIATION, INC.

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MATCHLINE STA. 3+00.00 - SEE SHEET E200

MATCHLINE STA. 9+50.00 - SEE SHEET E202

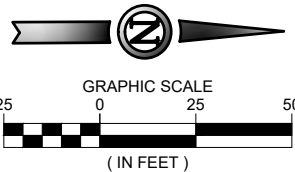


GENERAL NOTES

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- SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
- SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
- SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
- SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
- SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.

PLAN NOTES

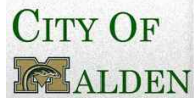
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- INSTALL L-861E LED RUNWAY THRESHOLD LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
- INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
- INSTALL L-861 LED RUNWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
- INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
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- INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
- INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.



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JVIATION®



MALDEN
REGIONAL AIRPORT

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DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
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CH: C.L.G.				
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL LAYOUT PLAN
STA. 3+00.00 TO STA. 9+50.00
RUNWAY 18/36

MoDOT PROJ. NO.
20-079A-1

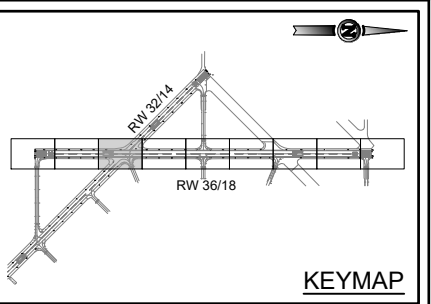
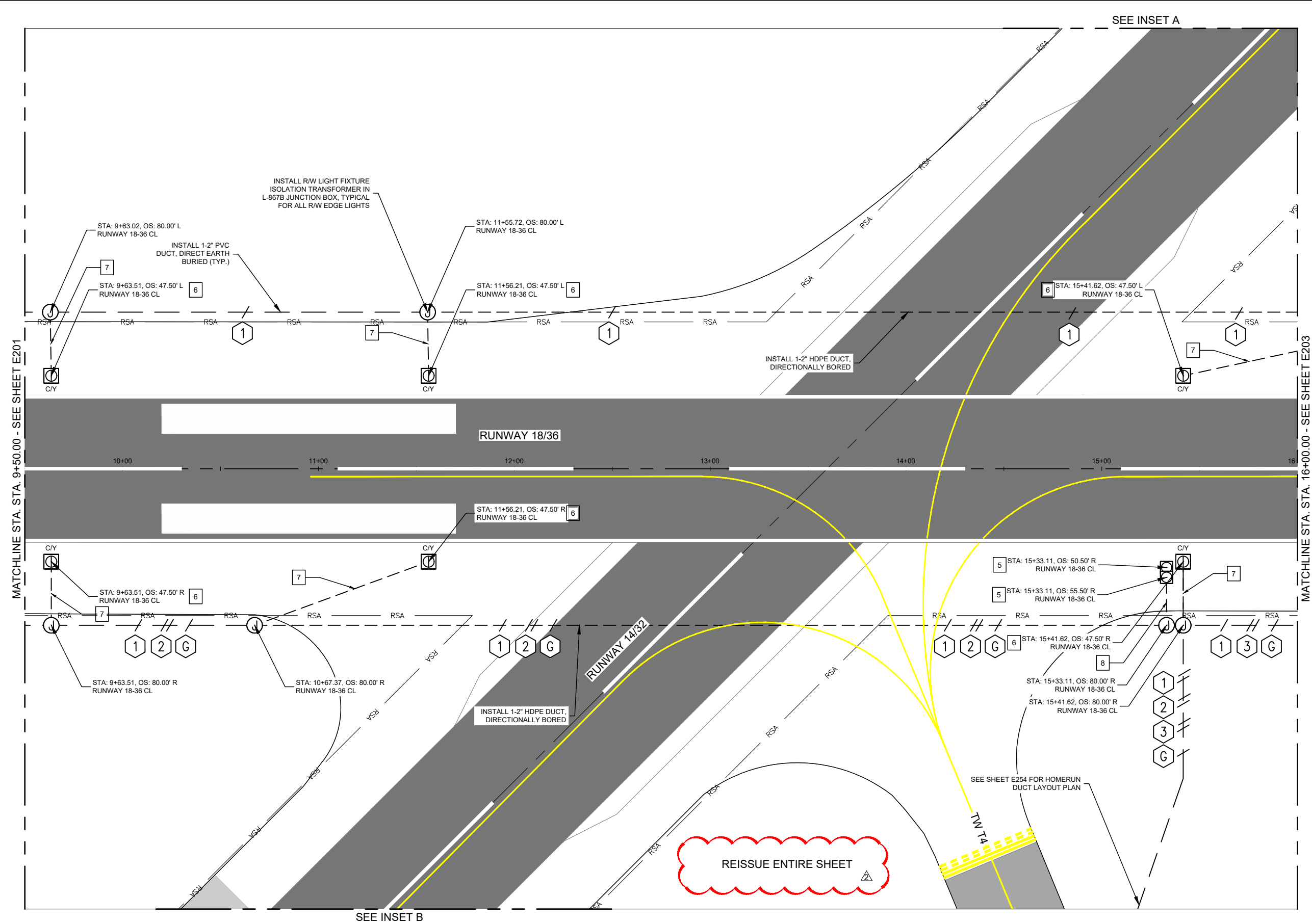
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2020.MAW.02

SHEET NAME
E201

SHEET NO.

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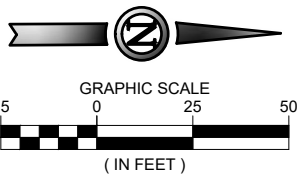


GENERAL NOTES

1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
4. SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
5. SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
6. SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.

PLAN NOTES

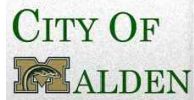
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3. INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
4. INSTALL L-861 LED RUNWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250
5. INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
6. INSTALL L-861 LED RUNWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
7. INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
8. INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.



ISSUED FOR BID

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FOR AND ON BEHALF OF JVIATION , INC.

JVIATION



MALDEN
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APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL LAYOUT PLAN
STA. 9+50.00 TO STA. 16+00.00
RUNWAY 18/36

MoDOT PROJ. NO.
20-079A-1

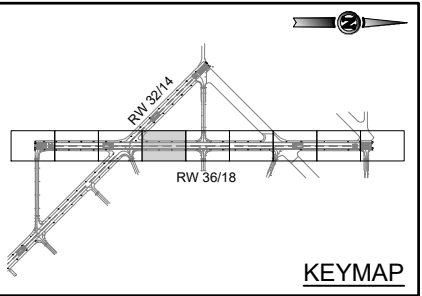
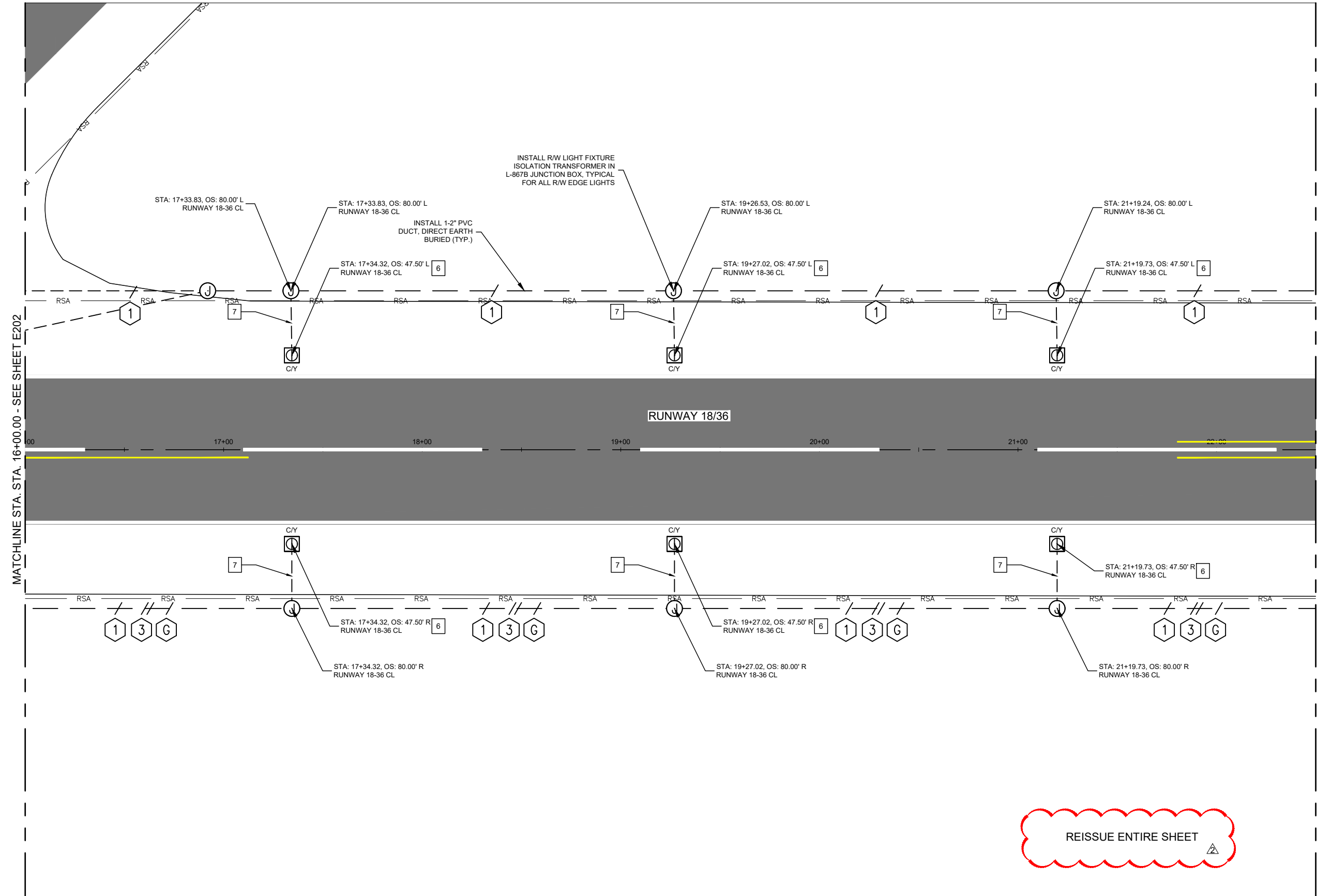
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2020.MAW.02

SHEET NAME
E202

SHEET NO.

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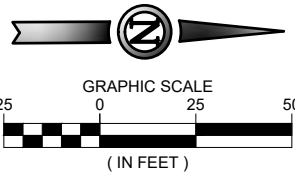


GENERAL NOTES

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- SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
- SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
- SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
- SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
- SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.

PLAN NOTES

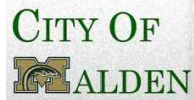
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- INSTALL L-861E LED RUNWAY THRESHOLD LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
- INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
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- INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
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- INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
- INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.



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MALDEN
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CH: C.L.G.				
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL LAYOUT PLAN
STA. 16+00.00 TO STA. 22+50.00
RUNWAY 18/36

MoDOT PROJ. NO.
20-079A-1

JVIATION PROJ. NO.
2020.MAW.02

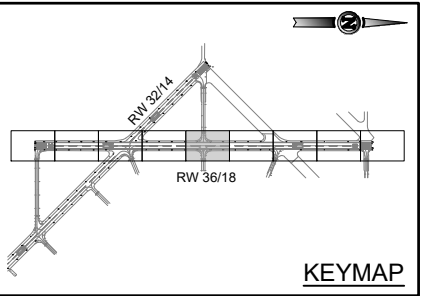
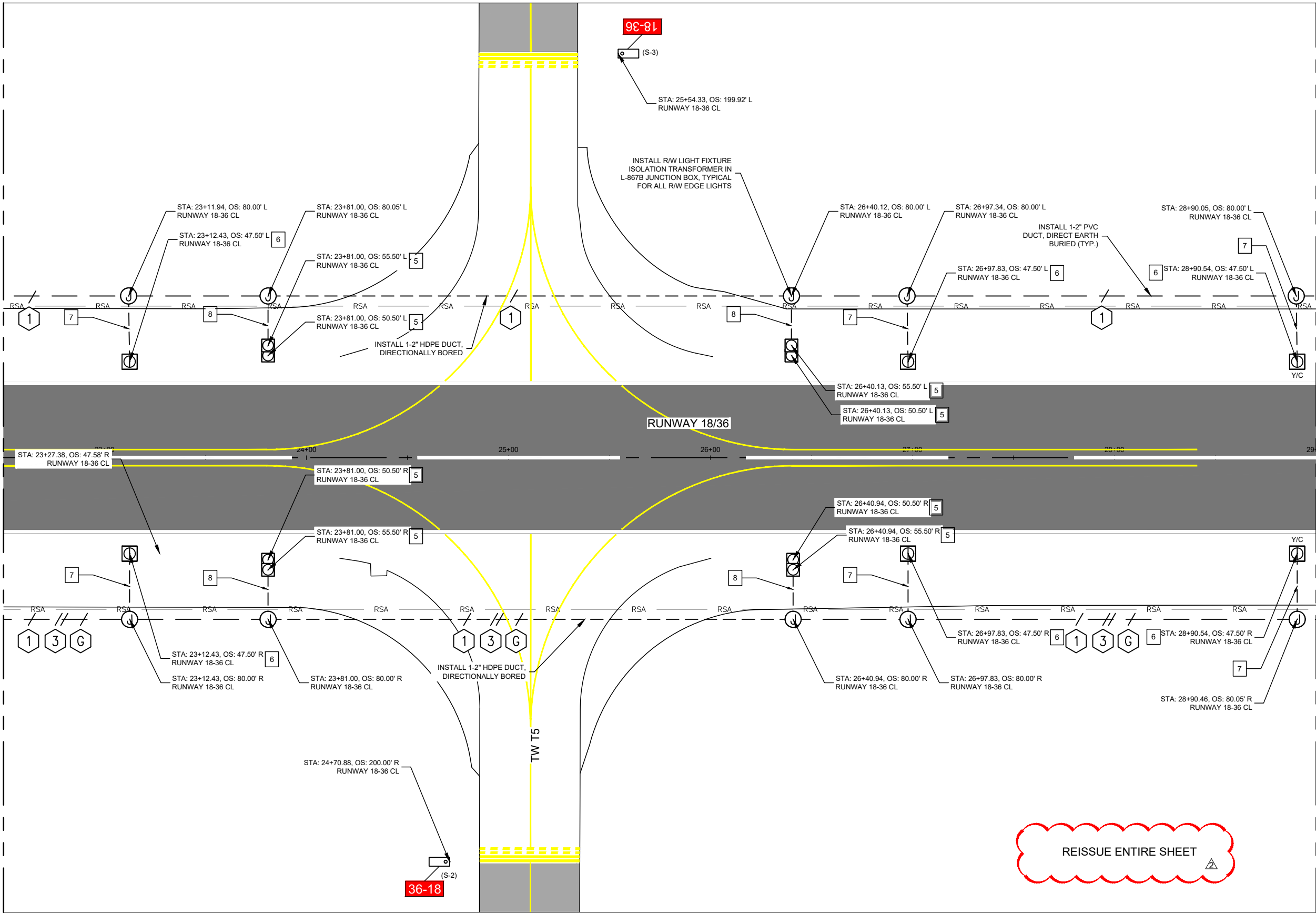
SHEET NAME
E203

SHEET NO.
78 of 87

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MATCHLINE STA. 22+50.00 - SEE SHEET E203

MATCHLINE STA. 29+00.00 - SEE SHEET E205

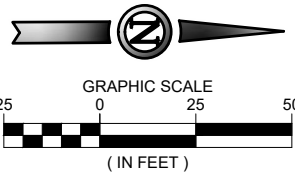


GENERAL NOTES

- SEE SHEET E001 FOR ELECTRICAL LEGEND
- SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
- SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
- SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
- SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
- SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.

PLAN NOTES

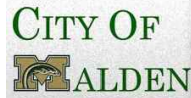
- INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
- INSTALL L-861E LED RUNWAY THRESHOLD LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
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	NO.	BY	DATE	DESCRIPTION
DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
CH: C.L.G.	2	B.S.G.	06/01/20	ADDENDUM NO. 2
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL LAYOUT PLAN
STA. 22+50.00 TO STA. 29+00.00
RUNWAY 18/36

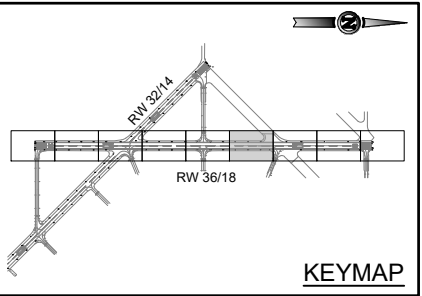
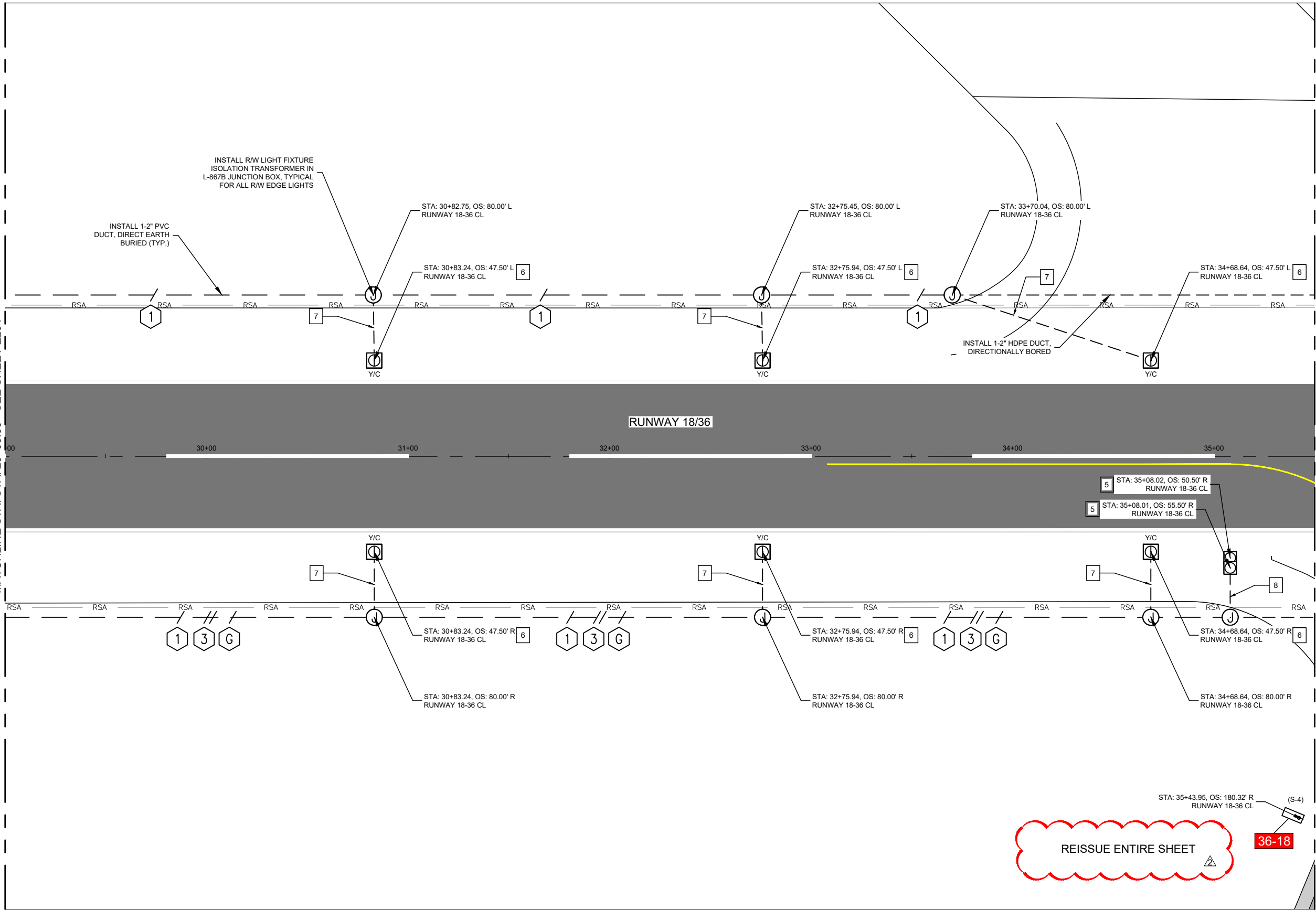
MoDOT PROJ. NO. 20-079A-1 JVIATION PROJ. NO. 2020.MAW.02

SHEET NAME
E204
SHEET NO.
79 of 87

Printed June 1, 2020 @ 1:58 PM by Zach Ambarantz P.E.
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MATCHLINE STA. 29+00.00 - SEE SHEET E204

MATCHLINE STA. 35+50.00 - SEE SHEET E206

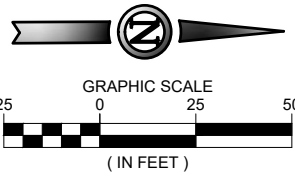


GENERAL NOTES

1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
4. SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
5. SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
6. SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.

PLAN NOTES

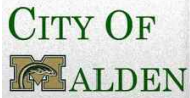
1. INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
2. INSTALL L-861E LED RUNWAY THRESHOLD LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
3. INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
4. INSTALL L-861 LED RUNWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250
5. INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
6. INSTALL L-861 LED RUNWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
7. INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
8. INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.



ISSUED FOR BID

BRYAN S. GREGORY 5-14-20
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

JVIATION®



MALDEN
REGIONAL AIRPORT

DES: D.W.C.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
	2	B.S.G.	06/01/20	ADDENDUM NO. 2
CH: C.L.G.				
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL LAYOUT PLAN
STA. 29+00.00 TO STA. 35+50.00
RUNWAY 18/36

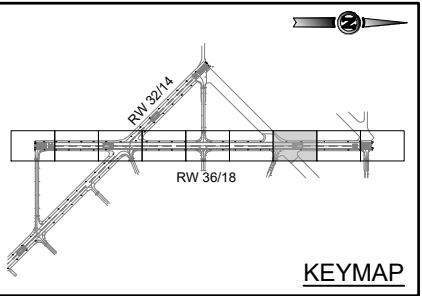
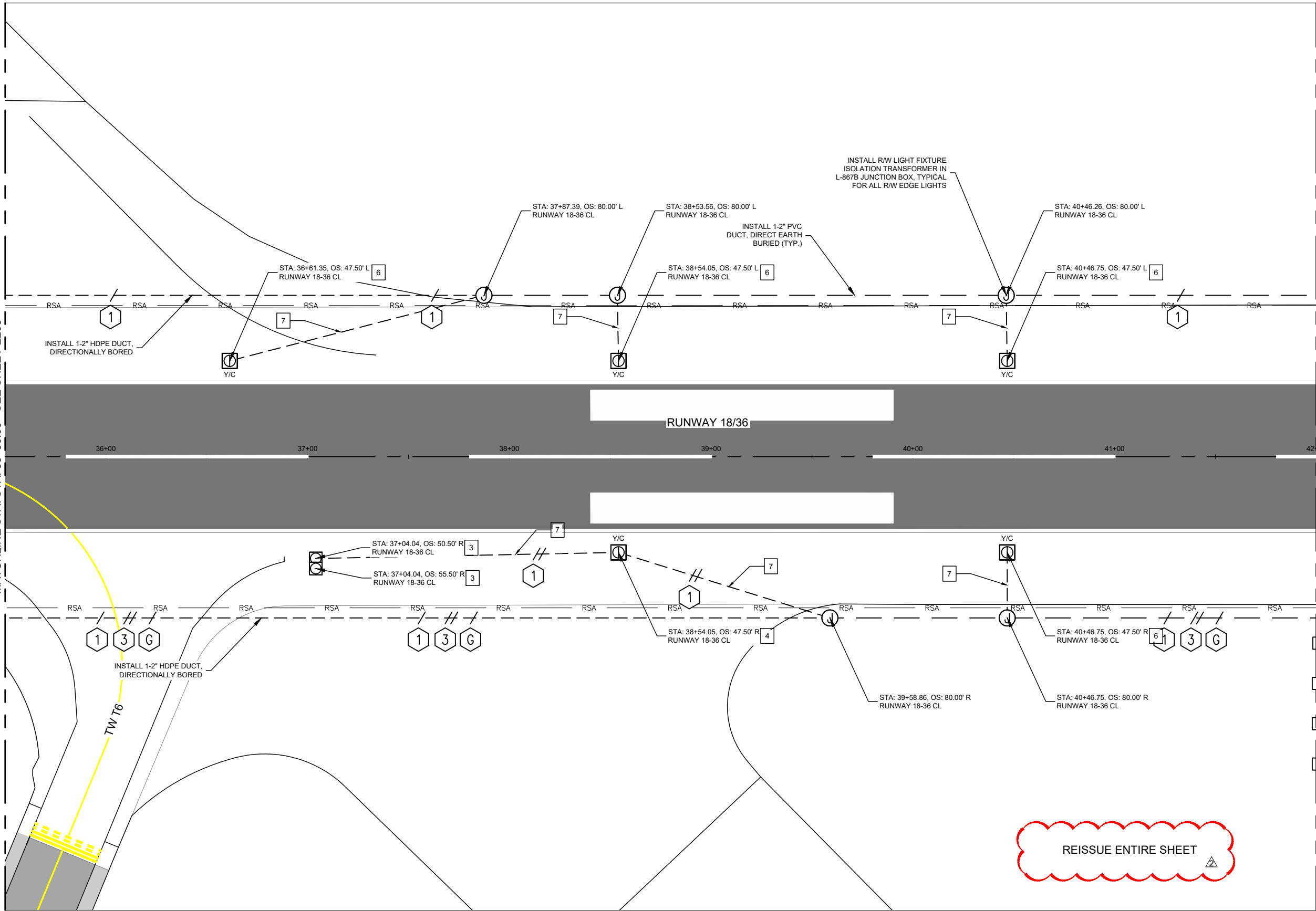
MoDOT PROJ. NO. 20-079A-1 JVIATION PROJ. NO. 2020.MAW.02

SHEET NAME
E205
SHEET NO.
80 of 87

Printed June 1, 2020 @ 1:58 PM by Zach Ambrantcz P.E.
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MATCHLINE STA. 35+50.00 - SEE SHEET E205

MATCHLINE STA. 42+00.00 - SEE SHEET E207

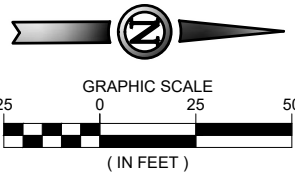


GENERAL NOTES

1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
4. SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
5. SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
6. SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.

PLAN NOTES

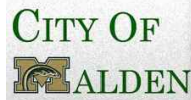
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2. INSTALL L-861E LED RUNWAY THRESHOLD LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
3. INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
4. INSTALL L-861 LED RUNWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250
5. INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
6. INSTALL L-861 LED RUNWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
7. INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
8. INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.



ISSUED FOR BID

BRYAN S. GREGORY 5-14-20
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

JVIATION



MALDEN
REGIONAL AIRPORT

DES: D.W.C.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
	2	B.S.G.	06/01/20	ADDENDUM NO. 2
CH: C.L.G.				
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL LAYOUT PLAN
STA. 35+50.00 TO STA. 42+00.00
RUNWAY 18/36

MoDOT PROJ. NO.
20-079A-1

JVIATION PROJ. NO.
2020.MAW.02

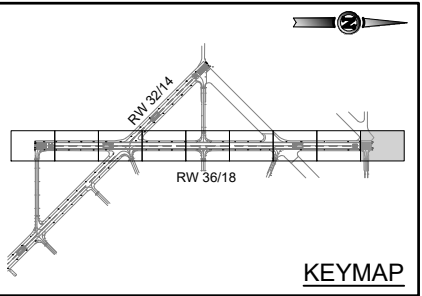
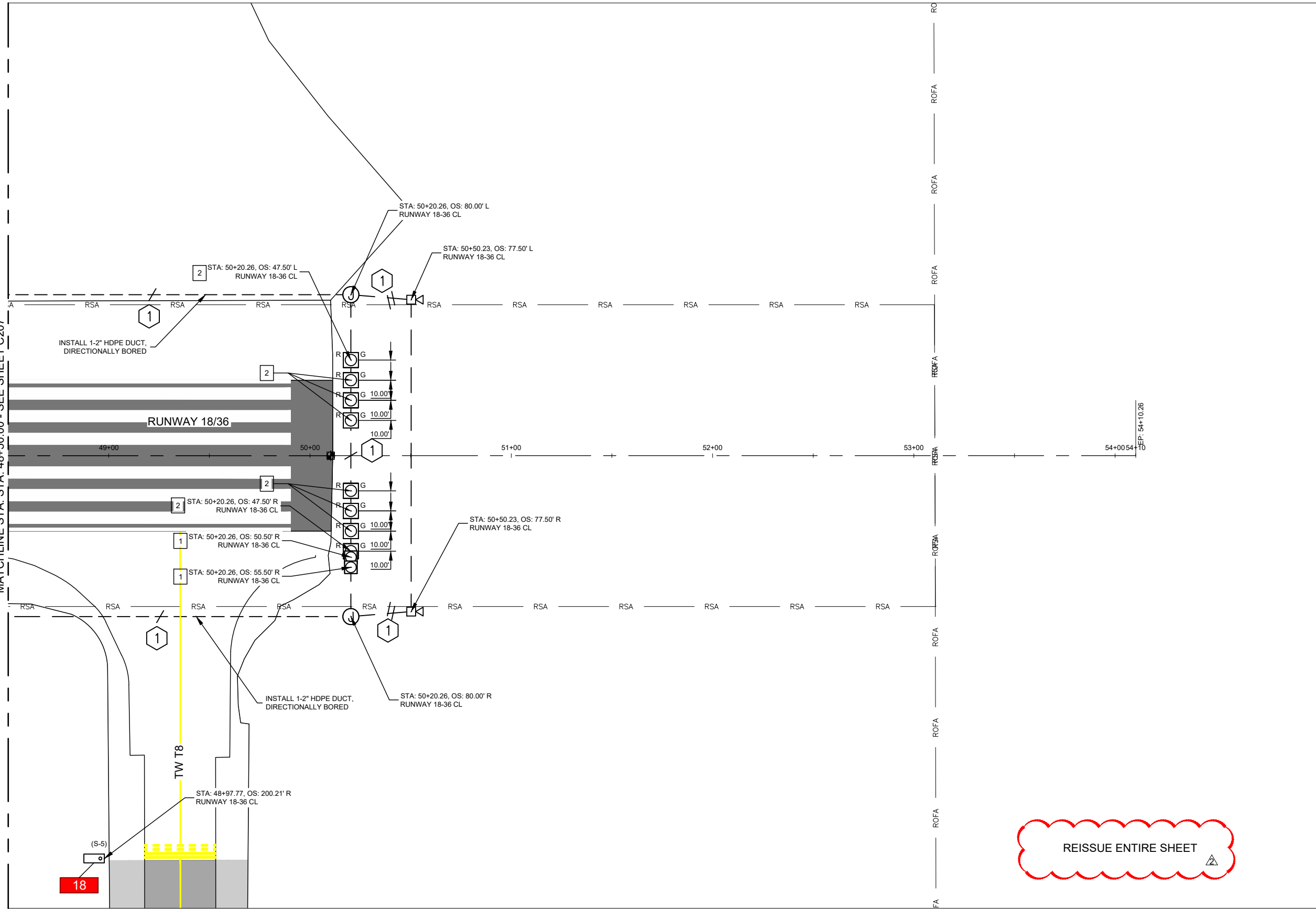
SHEET NAME
E206

SHEET NO.

81 of 87

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MATCHLINE STA. 48+50.00 - SEE SHEET C207

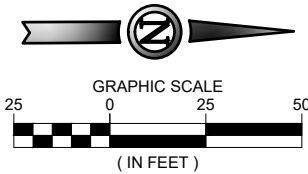


GENERAL NOTES

1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
4. SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
5. SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
6. SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.

PLAN NOTES

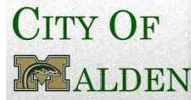
1. INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
2. INSTALL L-861E LED RUNWAY THRESHOLD LIGHT, BASE MOUNTED IN SOIL, PER DETAIL 3, SHEET E250.
3. INSTALL L-861T LED TAXIWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
4. INSTALL L-861 LED RUNWAY EDGE LIGHT, BASE MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250
5. INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
6. INSTALL L-861 LED RUNWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
7. INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
8. INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.



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BRYAN S. GREGORY 5-14-20
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

JVIATION



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REGIONAL AIRPORT

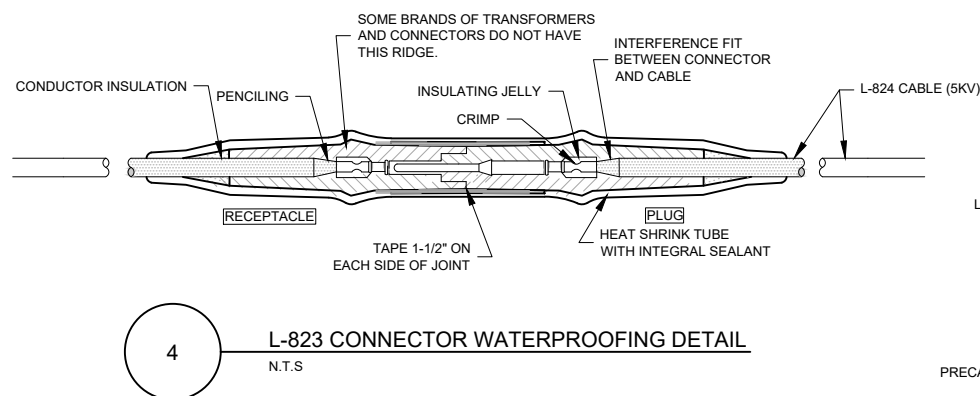
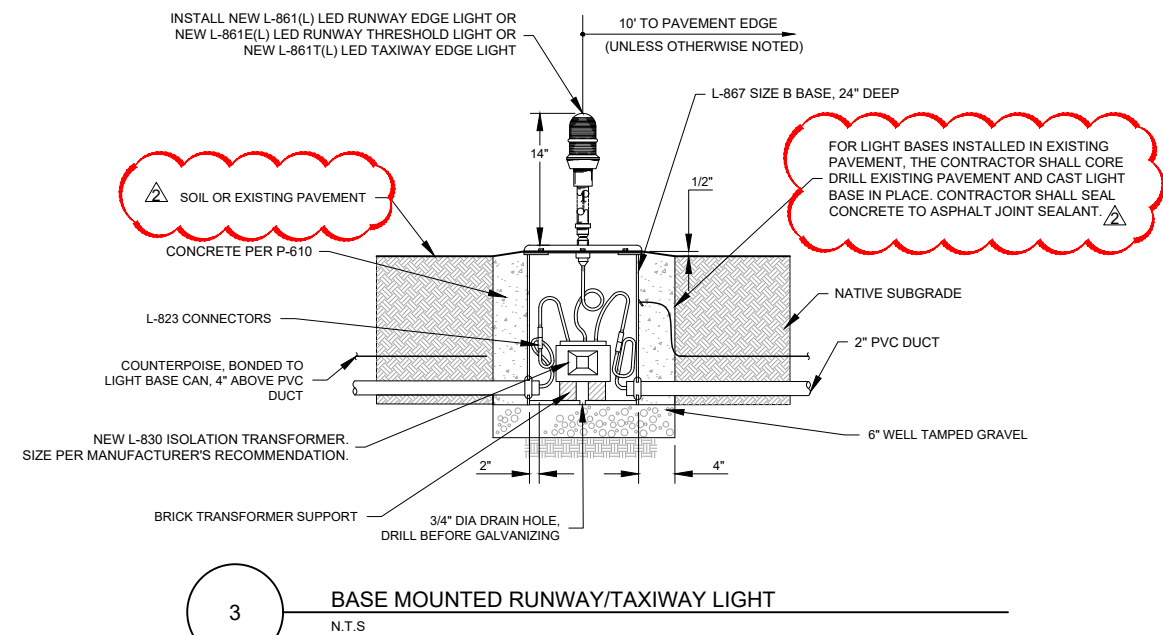
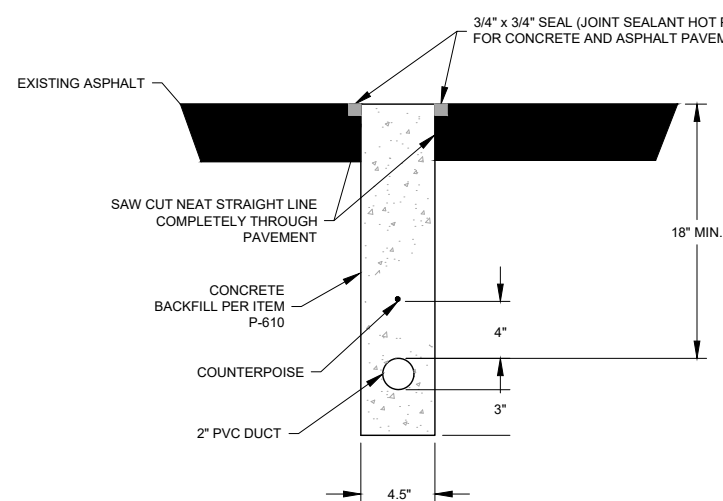
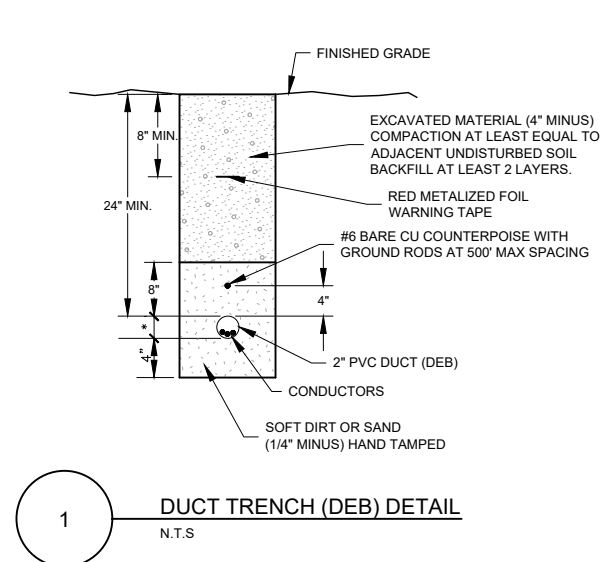
DES: D.W.C.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
	2	B.S.G.	06/01/20	ADDENDUM NO. 2
CH: C.L.G.				
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL LAYOUT PLAN
STA. 48+50.00 TO STA. 55+00.00
RUNWAY 18/36

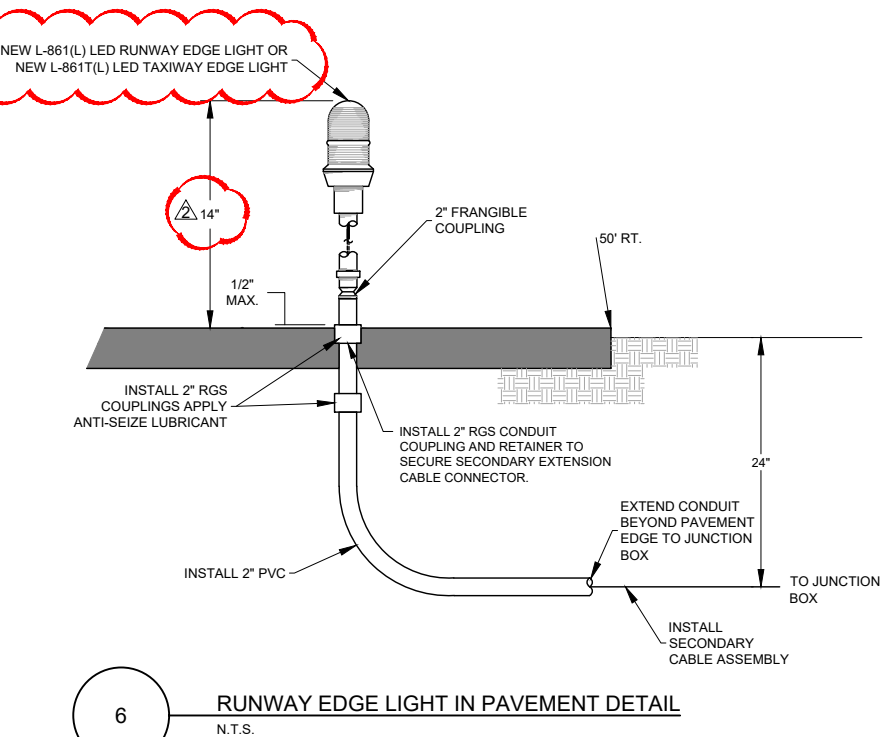
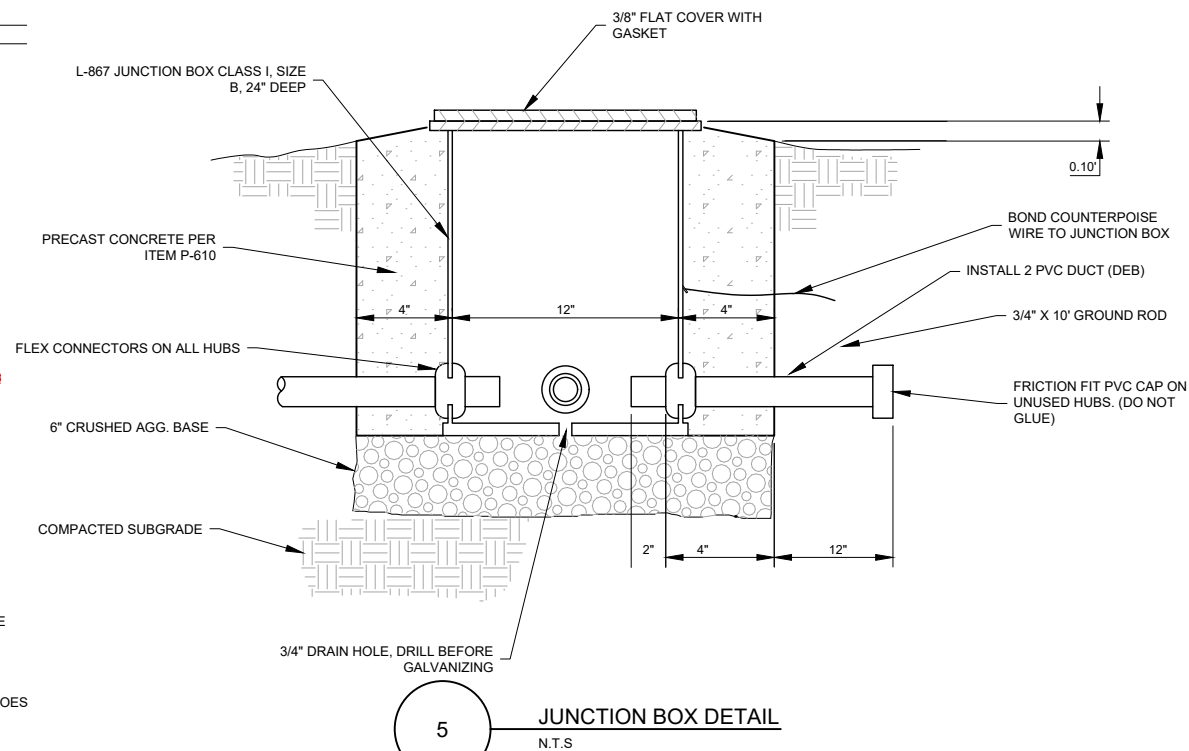
MoDOT PROJ. NO. 20-079A-1 JVIATION PROJ. NO. 2020.MAW.02

SHEET NAME
E208
SHEET NO.
83 of 87



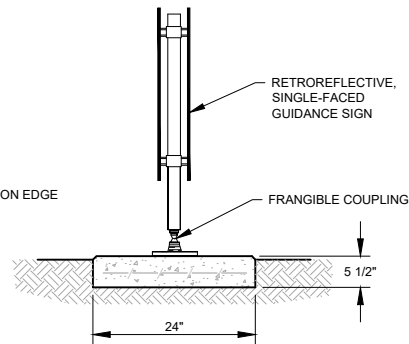
- L-823 INSTALLATION INSTRUCTIONS TO SUPPLEMENT THE MANUFACTURER'S INSTRUCTIONS**

1. AMERACE SUPERKIT OR APPROVED EQUIVALENT MAY BE USED IN LIEU OF HEAT SHRINK TUBING INSTALLATION.
2. CLEAN THE CABLE THOROUGHLY 12" MIN. FROM THE END.
3. REMOVE INSULATION PER MANUFACTURERS INSTRUCTIONS. DO NOT NICK THE CONDUCTOR.
4. INSTALL PIN AND/OR RECEPTACLE WITH A CRIMPING TOOL WHICH MUST BE COMPLETELY CLOSED BEFORE THE TOOL MAY BE REMOVED.
5. BE SURE CABLE AND CONNECTOR FITTINGS ARE CLEAN. COAT THE CABLE INSULATION WITH INSULATING JELLY FROM THE CONNECTOR.
6. CAREFULLY INSERT CABLE INTO CONNECTOR TO THE PROPER DEPTH.
7. CLEAN CONNECTOR AND CABLE INSULATION WITH WAX OR GREASE SOLVENT TO REMOVE SURFACE SILICONE JELLY.
8. SLIP 16 INCH LENGTH OF HEAT SHRINK TUBING WITH INTEGRAL SEALANT ON TRANSFORMER LEAD.
9. COMPLETE CONNECTION BY MATING THE PLUG AND RECEPTACLE. CAUTION: BE SURE THE CABLE DOES NOT SLIP OUT WHEN THE CONNECTION IS MADE.
10. APPLY RUBBER TAPE AND VINYL TAPE ONE HALF LAPPED, 1-1/2 INCHES ON EACH SIDE OF JOINT.
11. ANY CONNECTOR WHICH IS CONTAMINATED BY DIRT OR OTHER DAMAGING MATERIAL SHALL BE REMOVED AND NOT REINSTALLED.
12. CENTER HEAT SHRINK OVER THE CONNECTOR. APPLY HEAT EVENLY BEGINNING AT THE CENTER AND WORKING AROUND CABLE TO ENDS. DO NOT OVER HEAT.
13. THE HEAT SOURCE SHALL BE AN ELECTRIC HEAT GUN OR A PROPANE TORCH WITH A FLAME SPREADER TO BE APPROVED BY THE ENGINEER.



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BRYAN S. GREGORY		5-14-20
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF JVIATION , INC.		



SIDE VIEW

-
- 3/8" THICK (MIN). BLANK COVER
- 12"
- 12" MIN
- 5 1/2"
- 1" CHAMFERED EDGE (TYPICAL ALL SIDES)
- L-867 JUNCTION BOX
- EXISTING SUBGRADE
- 6" FREE DRAINING CRUSHED ROCK
- INSTALL L-830 ISOLATION TRANSFORMER IN JUNCTION BOX ON A RISER (BRICK), IF REQUIRED.
- 12"
- 12"
- 15" FROM R/W CENTERLINE AND 10" ABOVE HORIZONTAL.
- #6 AWG BARE COPPER GROUND WIRE
- FRANGIBLE COUPLING, 2" ABOVE MAX GRADE. PROVIDE QUICK DISCONNECT FOR ALL WIRING PER MANUFACTURER'S RECOMMENDATIONS.
- CONCRETE PER P-610
- FINISHED GRADE
- 1" PVC CONDUIT
- 6" X 6" - #10 X #10 WIRE MESH
- 2" RGS CONDUIT WITH POWER WIRING
- CONTROL WIRING TO OTHER REIL UNIT, IF REQUIRED
- 3/4" x 10' GROUND ROD
- REIL INSTALLATION SECTION DETAIL
- N.T.S.
- 2

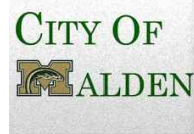
NOTES:

- 4 CCR INSTALLATION
N.T.S

-
- The diagram is a plan view of two LED rail units. Each unit is represented by a rectangle with a stippled pattern. Inside each rectangle is a circular junction can and a rectangular LED rail unit. Dimensions are provided: 12" from the left edge to the center of the junction can, 77.5" between the centers of the junction cans, and 77.5" from the center of the junction can to the center of the LED rail unit. A 15° (TYP.) angle is shown for the LED rail unit. A dashed line represents the extended runway centerline. A 2" PVC conduit is shown connecting the junction cans. A red cloud-shaped callout points to the LED rail unit with the text "NEW L-849I, STYLE E LED REIL".
- 12"
- 77.5'
- 77.5'
- 15° (TYP.)
- L-867 JUNCTION CAN
- NEW L-849I, STYLE E LED REIL
- NOTES:
1. INSTALL REIL UNITS 40' FROM R
 2. POWER AND CONTROL WIRING SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S RECOMMEN SHALL BE CONSIDERED INCIDENT INSTALLATION.
 3. CONDUIT SHALL BE CONSIDERED THE REIL INSTALLATION.
- INSTALL 2" PVC CONDUIT
- EXTENDED RUNWAY CENTERLINE
- 2
- E253
- 3
- REIL PLAN VIEW DETAIL
- N.T.S.

NOTES:

- ISSUED FOR BID

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REGIONAL AIRPORT

DES: D.W.C.	ISSUE RECORD			
DR: L.A.R.	NO.	BY	DATE	DESCRIPTION
	1	B.S.G.	5-14-20	ISSUED FOR BID
CH: C.L.G.	2	B.S.G.	06/01/20	ADDENDUM NO. 2
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL DETAILS

MoDOT PROJ. NO. 20-079A-1

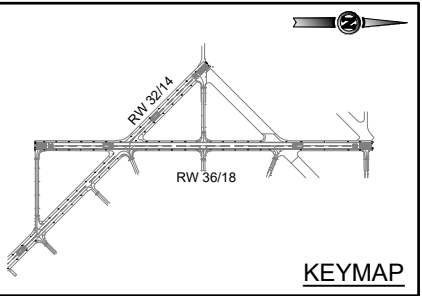
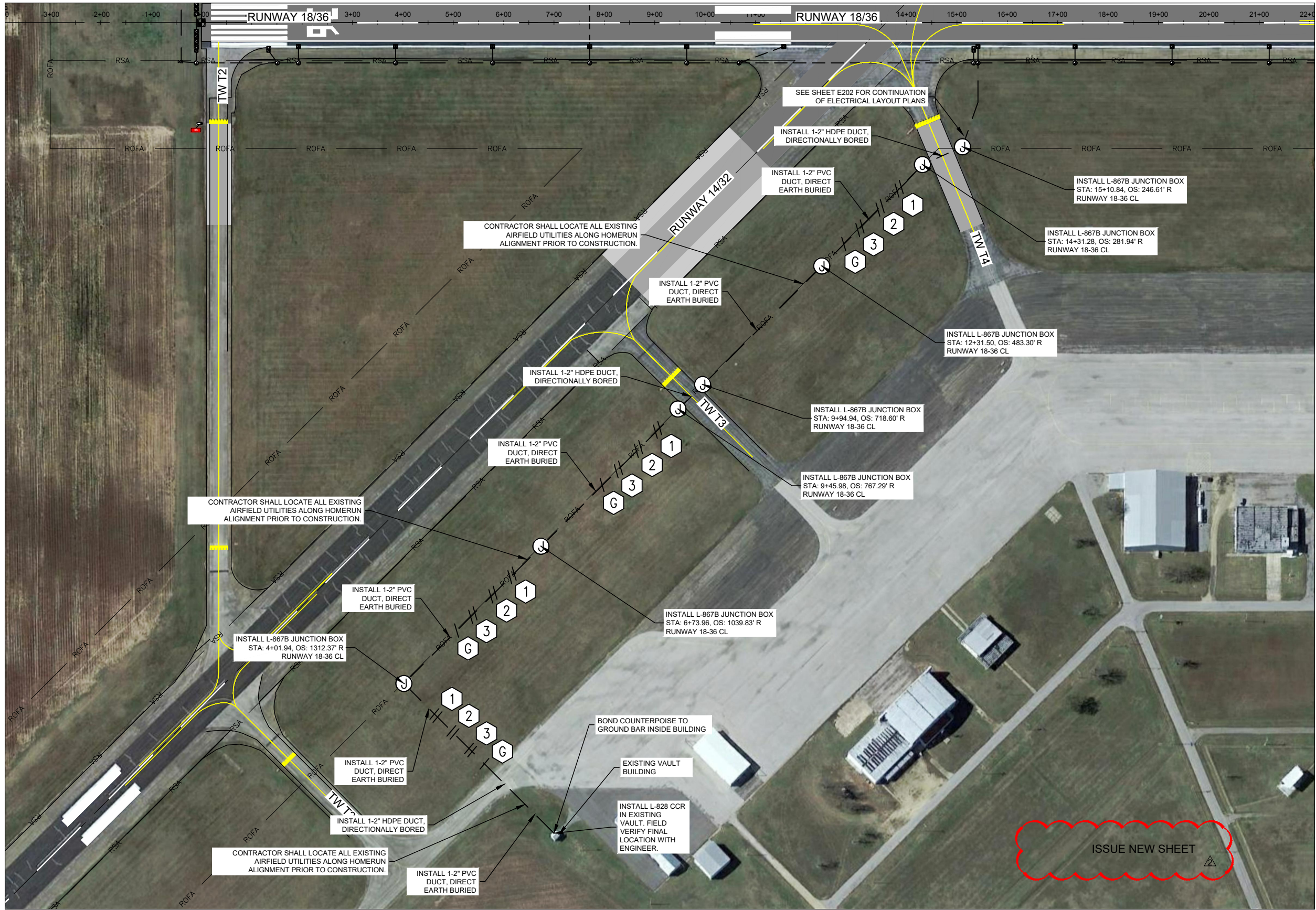
JVIATION PROJ. NO.
2020.MAW.02

SHEET NAME

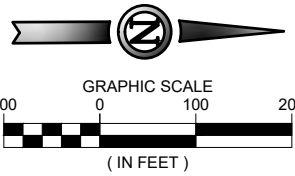
E253

SHEET NO.

87 of 87



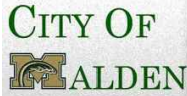
- GENERAL NOTES**
1. SEE SHEET E001 FOR ELECTRICAL LEGEND
 2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
 3. SEE SHEETS G050 THRU G054 FOR CONSTRUCTION PHASING.
 4. SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
 5. SEE SHEET G006 FOR SURVEY CONTROL INFORMATION.
 6. SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION.



ISSUED FOR BID	
BRYAN S. GREGORY	
NAME	REG. NO.
FOR AND ON BEHALF OF JVIATION, INC.	
5-14-20	
DATE	

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JVIATION



MALDEN
REGIONAL AIRPORT

DES: D.W.C.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: L.A.R.	1	B.S.G.	5-14-20	ISSUED FOR BID
CH: C.L.G.	2	B.S.G.	06/01/20	ADDENDUM NO. 2
APP: B.S.G.				

REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36

ELECTRICAL HOMERUN LAYOUT PLAN

MoDOT PROJ. NO. 20-079A-1 JVIATION PROJ. NO. 2020.MAW.02

SHEET NAME
E254
SHEET NO.
88 of 88

MALDEN REGIONAL AIRPORT

MoDOT PROJECT NO. 20-079A-1

DATE: May 21, 2020

TIME: 1:00 P.M.

PRE-BID CONFERENCE – MINUTES IN RED

ALTERNATE CONFERENCE CALL INFORMATION: 1-800-747-5150, ACCESS CODE 7645491#

1. RECORDING OF ATTENDEES

- A. Recording of attendees, firm represented, address, phone number and email. – See Sign-in sheet attached.

2. INTRODUCTIONS & PROJECT DESCRIPTION

A. City of Malden Representatives

- David Blalock, Airport Manager
- Patty Smith

B. Airport Engineering – Jviation, Inc.

- Bryan Gregory – Project Manager
- Joe Pestka – Project Director

C. MoDOT Aviation

- Darrell Goth

D. Project Schedules (total 69 Calendar Days)

- Schedule I – Rehabilitate Runway 18/36
- Schedule II –PAPI Runway 18 and Runway 36

E. Work Items – **FAA Specifications**

SUMMARY OF APPROXIMATE QUANTITIES				
ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I	SCHEDULE II
			ESTIMATE	ESTIMATE
C-100a	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1	
C-102a	SEDIMENT CONTROL LOG	EA	3	
C-105a	MOBILIZATION	LS	1	1
P-101a	ASPHALT PAVEMENT REMOVAL	SY	50,200	

P-101b	PARTIAL DEPTH AGGREGATE BASE REMOVAL AND RECOMPACT	SY	50,200	
P-101c	JOINT AND CRACK REPAIR	LF	20,000	
P-152a	UNCLASSIFIED EXCAVATION	CY	2,600	
ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I	SCHEDULE II
			ESTIMATE	ESTIMATE
P-152b	OVEREXCAVATION AND REPLACEMENT	CY	1,000	
P-208a	6" AGGREGATE BASE COURSE	CY	8,350	
P-208b	SEPARATION GEOTEXTILE	SY	50,200	
P-401a	ASPHALT PAVING COURSE	TON	11,000	
P-401b	PG 64-22 ASPHALT BINDER	TON	700	
P-603a	EMULSIFIED ASPHALT TACK COAT	GAL	3,500	
P-608Ra	ASPHALT SURFACE TREATMENT	SY	34,900	
P-620a	PERMANENT WHITE PAVEMENT MARKINGS	SF	45,700	
P-620b	PERMANENT YELLOW PAVEMENT MARKINGS	SF	3,200	
P-620c	BLACK PAVEMENT MARKINGS	SF	24,100	
P-620d	TEMPORARY WHITE PAVEMENT MARKINGS	SF	45,700	
P-620e	TEMPORARY YELLOW PAVEMENT MARKINGS	SF	3,200	
P-620f	PAVEMENT MARKING OBLITERATION	SF	44,400	
T-901a	SEEDING WITH HYDROMULCH	AC	12	
L-108a	INSTALL #8 AWG, L-824C, 5000V WIRE	LF	17,500	26,000
L-108b	INSTALL #6 AWG, BASE COPPER COUNTERPOISE INCLUDING GROUND RODS AND TERMINATIONS	LF	15,000	
L-109a	INSTALL NEW L-828 CONSTANT CURRENT REGULATOR, FERRORESONANT TYPE	EA	1	
L-110a	INSTALL 1-2" SCH. 40 PVC DUCT, DIRECT EARTH BURIED	LF	10,000	600
L-110b	INSTALL 1-2" SCH. 40 PVC DUCT, CONCRETE ENCASED IN EXISTING PAVEMENT	LF	1,600	
L-110c	INSTALL 1-2" HDPE DUCT, DIRECTIONALLY BORED	LF	3,000	300
L-115a	INSTALL L-867B JUNCTION BOX, COMPLETE	EA	50	
L-125a	REMOVE RUNWAY/TAXIWAY EDGE LIGHT, COMPLETE	EA	60	
L-125b	INSTALL L-861T LED TAXIWAY EDGE LIGHT	EA	22	
L-125c	INSTALL L-861 LED RUNWAY EDGE LIGHT	EA	45	
L-125d	INSTALL L-861E LED RUNWAY THRESHOLD/END LIGHT	EA	16	
L-125e	INSTALL L-880 LED PAPI SYSTEM, COMPLETE	EA		2
L-125f	INSTALL L-849 RED REIL SYSTEM	EA	2	
L-125g	INSTALL L-858 GUIDANCE SIGN, SIZE 1, STYLE 4	EA	5	

Note: Quantities are being updated as part of Addendum 2

3. BID OPENING

A. Date: Thursday, June 4, 2020 at 2:00 P.M. (CST)

B. Location: ~~City of Malden~~

~~Malden City Hall~~
~~201 South Madison~~
~~Malden, MO 63863~~

Bids opened in: Airport Conference Room
Malden Regional Airport

Deliver Bids to the Attention of:
Patty Smith
Airport Administration Office
3077 Mitchell Drive
PO Box 411
Malden, MO 63863
Phone: 573-276-2279

- C. Bid Bond: 5% of bid amount – Section 2, Instructions to Bidders, Paragraph 4 and Section 20-10 Bid Guaranty.
- D. Contract Proposal: Proposal Form starts on page B-1. Submit pages B-1 through B-21 with bid.
- E. Addenda Acknowledge all Addenda for the project. Addendum 1 has been issued to add a conference call number for the pre-bid meeting. Addendum 2 will include these pre-bid meeting minutes.
-
- F. Award: Notice to Bidders, Section 1, Page 2 and Section 30 Award and Execution of Contract.
 - **The Bid Hold Period is 120 calendar days.**
(120 days from June 4 is October 2)

4. DBE GOALS

- A. 3% of Contract Amount Required.
- B. DBE firms must be currently certified by the Missouri Department of Transportation (MoDOT), City of St. Louis, Metro, City of Kansas City, and Kansas City Area Transportation Authority. Eligible firms can be found on MoDOT's Office of External Civil Rights webpage at <http://www.modot.org/dbe-program>.

5. QUALIFICATION OF BIDDERS

- A. Qualifications shall be furnished per Section 20-02. Each bidder shall furnish the Owner satisfactory evidence of his or her competency and financial responsibility to perform the proposed work. This includes resumes of key personnel, equipment list and a list detailing experience on similar construction projects.

6. ESTIMATED CRITICAL CONTRACT DATES

- A. Contract Award: August - September 2020 (ESTIMATED) –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. Award date will depend on receipt of federal funds. It is possible that federal funds will not be awarded until August or September. Bids can be held up to 120 calendar days. Construction year is negotiable to 2020 or 2021 depending on award date and Contractor availability.

C. Notice to Proceed: Fall 2020 or Spring/Summer 2021 (ESTIMATED), Refer to Section 80-02.

Project Time: 50 Calendar Days total for Phase 1;
14 Calendar Days for Phase 2
5 Calendar Days for Phase 3 (concurrent with Phase 2)
There are a total of 69 Calendar Days for the project.
Notice to Proceed, Refer to Section 80-08 for more information.

This project is FAA/MoDOT funded so timeline will be dependent on MoDOT Aviation funding availability and approval.

7. BONDING

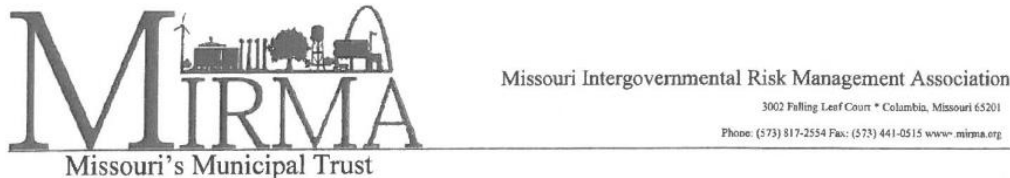
- A. Payment Bond: 100% of Bid Amount, Refer to Section 30-05
- B. Performance Bond: 100% of Bid Amount, Refer to Section 30-05

8. BUY AMERICAN REQUIREMENTS

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

9. INSURANCE REQUIREMENTS

Refer to Section 70-21. As part of Addendum 2, Section 70-21 will be amended to match the attached City of Malden, MO Project Insurance Requirements shown below:



CITY OF MALDEN, MO PROJECT INSURANCE REQUIREMENTS

- **Hold Harmless and Indemnity Agreement:** Obtain a signed hold harmless agreement for all construction projects.
- **Insurance Requirements for Construction Projects** are as follows:
 - Commercial General Liability Insurance with a minimum limit of \$1,000,000 each occurrence / \$2,000,000 general aggregate written on an occurrence basis. Depending on the contract or project additional coverages should include, professional liability, builders risk, completed operations, inland marine, excess or umbrella, and possibility others.
 - Comprehensive Business Automobile Liability Insurance for all owned, non-owned and hired automobiles and other vehicles used by contractor with a combined single limit of \$1,000,000 minimum.
 - Workers Compensation insurance with statutorily limits required by any applicable Federal or state law and Employers Liability insurance with minimum limit of \$1,000,000 per accident.
 - Prior to construction, contractor shall furnish the city with a certificate of insurance evidencing the required coverage, conditions, limits required by this contract, have the city named as an additional insured and provide the appropriate additional insured endorsements.
 - Contractor shall make city an additional insured on each policy of insurance that contractor is required to maintain under the contract documents.
 - Contractor shall require insurance with the same coverage and limits from its subcontractors and suppliers, and their insurance policies shall be endorsed to name the same additional insureds as required of contractor.

- Each additional insured endorsement shall expressly afford coverage to the additional insureds not only arising out of the named insured's operations or work but also arising out of the named insured's completed operations.
- All completed operations coverages shall be maintained by contractor and its subcontractors or suppliers for five (5) years following the completion of the Work.
- Any coverage available to city as a named insured shall be secondary, so that the coverage to the city as an additional insured on the policies maintained by contractor and subcontractors is primary.
- If the contractor maintains higher limits than the minimums required, the city requires and shall be entitled to coverage for the higher limits maintained by the contractor.
- Insurance required by this contract and supported by the additional insured endorsement shall be as broad as necessary to support the hold harmless requirement in said contract or as broad as the contractor's insurance coverage, whichever is broader.
- Contractor agrees that city shall be provided at least sixty (60) days advance written notice of any cancellation or rescission of any policy that contractor or any of its subcontractors or suppliers is required to maintain under the contract documents.
- Prior to commencing work, contractor shall provide city certificates of insurance evidencing the required coverages.
- City's receipt or review of any certificate of insurance reflecting that contractor or one of its subcontractors or suppliers has failed or may have failed to comply with any insurance requirement of the contract documents shall not constitute a waiver of any of city's insurance rights under the contract documents, with all such rights being fully and completely reserved by the city.
- No provision of this agreement shall constitute a waiver of the city's right to assert a defense based on the doctrines of sovereign immunity, official immunity, or any other immunity available under law.

If you have any questions about this letter, please call or email.

Sincerely,



Jeff Arp, ARM-P
Loss Control Specialist

A City of Malden business license will be required for all prime and sub contractors. The Current cost for this is \$100 per year.

10. FEDERAL AND STATE WAGE RATES (DAVIS BACON ACT)

- A. The higher of the Federal wage and State wage rates are required for this project for work completed under Schedules I and II. Refer to Section 4, Parts D, Federal and State Wage Rates.

11. LIQUIDATED DAMAGES

- A. As compensation for non-use, the Contractor shall be assessed a liquidated damage of **\$750/calendar day(s)** for each day that the work remains uncompleted beyond the contract period. Reference SECTION 80-08 FAILURE TO COMPLETE ON TIME.

In addition, up to \$1,819 per calendar day for the Construction manager, and up to \$1,390 per calendar day for each RPR, plus any incurred expenses (additional

testing, per diem, lodging, etc.) will be charged to the Contractor for that time which exceeds the number of calendar day(s) allowed. Reference the LOCAL PROVISIONS in Section 4, Part C for more information.

The maximum construction time for the overall project is 69 calendar days.

Please see the Phasing Sheets, G050 through G054, of the Construction Drawings for more information on the scheduling/sequencing of work.

- B. Permitting the Contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the Owner of any of its rights under the contract.
- C. The Engineer and City have attempted to estimate the amount of time needed for construction management services by the Engineer. **If unusually long working days (generally over 12 hours) or extended working days are required, reimbursement for unscheduled employment of the engineer may be required as shown in Section 4 of the Contract Documents, under “Liquidated Damages”.**

12. PROJECT PHASING

- A. Reference the Phasing Sheets, G050 through G054, of the Construction Drawings.
 - a. Airfield Availability/Closures
- B. CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) - The Contractor shall submit a Safety Plan Compliance Document (SPCD) (Refer to Appendices 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”.

13. MISCELLANEOUS

- A. Permanent Pavement Striping:
 - a. 30 DAY WAIT PERIOD
- B. Partial Depth Aggregate Base Removal and Recompact
 - a. Removing approximately half of the existing base
 - b. Remove to elevation, not depth as some centerline grades are raised slightly.
- C. Owner-Furnished PAPI: The Owner will procure LED PAPI units from ADB under a sole source acquisition. These units will be provided to the successful Contractor for installation. The owner-provided equipment will include the PAPI units, base plates, and base cans. All other equipment for installation shall be provided by the Contractor and is available from multiple sources.
- D. Electrical Lines – FAA PAPI power lines – **these tie into a power pole nearby the new electrical vault.**
- E. Phase Breaks – Phase 1 vs Phase 2/Phase 3 – **Various potential staging areas identified.**

F. Construction Materials: Sales Tax Exemption. Refer to Section 4, Part C Local Provisions, Paragraph 12 Sales and Use Taxes.

G. Survey Requirements – Refer to Section 50-07, Construction Layout and Stakes. Also reference the notes on the Pavement Marking Plan sheets for survey requirements prior to current marking obliteration.

H. Contractor Access: as shown on the Phasing sheets.

I. Acceptance Testing: Responsibility of a Firm hired by Jviation.

- a. This does not relieve the Contractor from Quality Control Testing.
- b. QA to be Millennia for all but asphalt, which will be Interstate Testing.
- c. Interstate Testing can test Marshall or Gyratory mixes. The Marshall requirement in 401-3.3 may be negotiable to a gyratory mix with the successful bidder.
- d. Interstate may consider side-by-side testing in QC lab if locations work out better.

J. Waste Area- Earthwork and Millings – First priority is to fill holes on contractor haul route. Some millings will be placed around the PAPP's as well. If millings still remain, they will be stockpiled approximately 1 mile east-northeast of the airfield in the location identified during site visits.

K. Haul Route- Sheet G050 through Sheet G054 notes. The Contractor shall be responsible for any damage to existing facilities or roads. Repairs shall be made at no additional cost to the Sponsor. Note that these sheets are being reissued as part of addendum 2.

L. Airport radios shall be required and must be monitored at all times.

M. Questions will be taken via written format until **Monday, June 1, 2020 at 7:00 a.m. (CST)** by email to bid.info@jviation.com (CC: Bryan.Gregory@jviation.com).

- a. Any last addendum items should be issued no later than 5:00 p.m. Monday, June 1, 2020.
- b. Detailed questions should be submitted as early as possible so they can be addressed prior to the last addendum date.

14. QUESTIONS

- A. Where should the Runway 18/36 equipment be placed within the new vault? This equipment should go to the left of the Runway 14/32 equipment along the same wall.
- B. Can you better define the locations for base mounted and conduit mounted lights? See attached plan sheets for additional electrical detailing.
- C. The Engineer/City would consider a no-cost change order after bidding to perform runway edge light electrical installation via directional boring parallel to the runway centerline under the shoulder pavement to remain. Any damage to the shoulder pavement from boring shall be corrected by the Contractor at no additional cost to the City. If the Contractor chooses to pursue this option, appropriate controls shall be identified in a proposal. It is anticipated that such a proposal will include base-mounted lights (cans) for the edge lights so installed.

- D. Is grinding an option for stripe removal? Yes, with appropriate depth control. Any scarring of the pavement that cannot be adequately covered by the seal coat shall be corrected prior to the seal coat.
- E. The TSR requirements are not specified in P-401. Per P-401 Table 1, the design TSR requirement is “not less than 80 at a saturation of 70-80%”.
- F. Clarification that the LED PAPI’s are installing a sponsor-provided PAPI system. Other items are to provide and install.
- G. City desires to keep the removed electrical items.
- H. It was requested to provide additional details regarding the CCR installation.
- I. Clarification was requested regarding award based on Schedules I and II. The project will be awarded based on Schedule I bids.
- J. Bonding Counterpoise to the cans? Yes.
- K. Testing for compaction on electrical trenches? Narrow trenches are hard to obtain accurate compaction readings. As such, compaction testing will not be required in these areas with the understanding that the Contractor shall be responsible for fixing any sunken areas that develop within the warranty period.
- L. It was noted that the leads from the junction boxes to the lights are non-standard lengths.
- M. Local quarries don’t have a rock that can meet the P-208 specification as written due to the #200 sieve requirement. Can the #200 sieve requirements be relaxed? No. This is an FAA requirement for frost-susceptible areas.

15. PROJECT SITE TOUR

Pre-Bid Meeting Sign In

Meeting Date / Location: May 21, 2020 - Airport Conference Room
Malden Regional Airport

Schedule I: Rehabilitate Runway 18/36 (Base)
Schedule II: PAPI Runway 18 and Runway 36

Time: 1:00 p.m.

MoDOT Project #:

20.079A-1

Name	Company	Telephone No.	Project Name:	E-mail
Bryan Gregory	JVIATION, Inc.	573-658-9476		bryan.gregory@jviation.com
Jim McElveth	KT POWER SYSTEMS	573-388-4524		J.MAC@KTPowerSystems.com
Cecilia Cain	APEX PAVING	573-382-0542		ccain@delacos.com
Ryan Fornkohl	Apex Paving	816-787-4081		rforinkohl@delacos.com
Heather Lambert	Apex Paving	573-820-7677		Heather@delacos.com
Shawn Koch	Koch Electric, Inc.	573-313-2444		shawn@KochElectricInc.net
Josh Blacklock	Kitchen Energy Solutions	573-934-0671		jblacklock@outlook.com
David Blalock	CITY OF MALDEN			
Michelle Orr (PHONE)	CORR ENTERPRISES			
Tyler Smith (PHONE)	CAPITAL PAVING & CONST.			
Andy Baker (PHONE)	EMERY SAPP & SONS			
Patry Smith	MALDEN REGIONAL AIRPORT			
Shannon Simon (PHONE)	APEX			
Darrell Gott (PHONE)	MODOT			