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.
Addendum No. 2
June 1, 2020
To: Contract Documents, Specifications, and Plans
MoDOT Project No. 20-079A-1
Dated: May 14, 2020

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. 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 L8491 {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.

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.

** 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.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM DESCRIPTION</th>
<th>UNITS</th>
<th>SCHEDULE I ESTIMATE</th>
<th>SCHEDULE II ESTIMATE</th>
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<tbody>
<tr>
<td>C-100a</td>
<td>Contractor Quality Control Program (CQCP)</td>
<td>LS</td>
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<td>0</td>
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<td>C-102a</td>
<td>Sediment Control Log</td>
<td>EA</td>
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<td>C-105a</td>
<td>Mobilization</td>
<td>LS</td>
<td>1</td>
<td>1</td>
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<tr>
<td>P-101a</td>
<td>Asphalt Pavement Removal</td>
<td>SY</td>
<td>50,200</td>
<td>0</td>
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<tr>
<td>P-101b</td>
<td>Partial Depth Aggregate Base Removal and Recompact</td>
<td>SY</td>
<td>50,200</td>
<td>0</td>
</tr>
<tr>
<td>P-101c</td>
<td>Joint and Crack Repair</td>
<td>LF</td>
<td>20,000</td>
<td>0</td>
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<tr>
<td>P-152a</td>
<td>Unclassified Excavation</td>
<td>CY</td>
<td>2,600</td>
<td>0</td>
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<tr>
<td>ITEM NO.</td>
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<td>SCHEDULE II ESTIMATE</td>
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<tr>
<td>P-152b</td>
<td>Overexcavation and Replacement</td>
<td>CY</td>
<td>1,000</td>
<td>0</td>
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<tr>
<td>P-208a</td>
<td>6' Aggregate Base Course</td>
<td>CY</td>
<td>8,350</td>
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<tr>
<td>P-208b</td>
<td>Separation Geotextile</td>
<td>SY</td>
<td>50,200</td>
<td>0</td>
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<tr>
<td>P-401a</td>
<td>Asphalt Paving Course</td>
<td>TON</td>
<td>11,000</td>
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<tr>
<td>P-401b</td>
<td>PG 64-22 Asphalt Binder</td>
<td>TON</td>
<td>700</td>
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<tr>
<td>P-603a</td>
<td>Emulsified Asphalt Tack Coat</td>
<td>GAL</td>
<td>3,500</td>
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<tr>
<td>P-608Ra</td>
<td>Asphalt Surface Treatment</td>
<td>SY</td>
<td>34,900</td>
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<tr>
<td>P-620a</td>
<td>Permanent White Pavement Markings</td>
<td>SF</td>
<td>45,700</td>
<td>0</td>
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<tr>
<td>P-620b</td>
<td>Permanent Yellow Pavement Markings</td>
<td>SF</td>
<td>3,200</td>
<td>0</td>
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<tr>
<td>P-620c</td>
<td>Black Pavement Markings</td>
<td>SF</td>
<td>24,100</td>
<td>0</td>
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<tr>
<td>P-620d</td>
<td>Temporary White Pavement Markings</td>
<td>SF</td>
<td>45,700</td>
<td>0</td>
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<tr>
<td>P-620e</td>
<td>Temporary Yellow Pavement Markings</td>
<td>SF</td>
<td>3,200</td>
<td>0</td>
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<tr>
<td>P-620f</td>
<td>Pavement Marking Obliteration</td>
<td>SF</td>
<td>44,400</td>
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<tr>
<td>T-901a</td>
<td>Seeding with Hydromulch</td>
<td>AC</td>
<td>12</td>
<td>0</td>
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<tr>
<td>L-108a</td>
<td>Install #8 AWG, L-824C, 5000V Wire</td>
<td>LF</td>
<td>17,500</td>
<td>26,000</td>
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<tr>
<td>L-108b</td>
<td>Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations</td>
<td>LF</td>
<td>17,000</td>
<td>0</td>
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<tr>
<td>L-109a</td>
<td>Install L-828 Constant Current Regulator, Ferroresonant Type</td>
<td>EA</td>
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<tr>
<td>L-110a</td>
<td>Install 1-2&quot; Sch. 40 PVC Duct, Direct Earth Buried</td>
<td>LF</td>
<td>10,250</td>
<td>600</td>
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<tr>
<td>L-110b</td>
<td>Install 1-2&quot; Sch. 40 PVC Duct, Concrete Encased in Existing Pavement</td>
<td>LF</td>
<td>2,100</td>
<td>0</td>
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<tr>
<td>L-110c</td>
<td>Install 2-2&quot; Sch. 40 PVC Duct, Concrete Encased in Existing Pavement</td>
<td>LF</td>
<td>250</td>
<td>0</td>
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<tr>
<td>L-110d</td>
<td>Install 1-2&quot; HDPE Duct, Directionally Bored</td>
<td>LF</td>
<td>3,200</td>
<td>300</td>
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<tr>
<td>L-115a</td>
<td>Install L-867B Junction Box, Complete</td>
<td>EA</td>
<td>50</td>
<td>0</td>
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<tr>
<td>L-125a</td>
<td>Remove Stake Mounted Runway/Taxiway Edge Light in Soil, Complete</td>
<td>EA</td>
<td>16</td>
<td>0</td>
</tr>
<tr>
<td>L-125b</td>
<td>Remove Stake Mounted Runway/Taxiway Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>43</td>
<td>0</td>
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<tr>
<td>L-125c</td>
<td>Install Base Mounted L-861T Taxiway Edge Light in Soil, Complete</td>
<td>EA</td>
<td>4</td>
<td>0</td>
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<tr>
<td>L-125d</td>
<td>Install Base Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>2</td>
<td>0</td>
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<tr>
<td>L-125e</td>
<td>Install Conduit Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>16</td>
<td>2</td>
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<td>L-125f</td>
<td>Install Base Mounted L-861 Runway Edge Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>1</td>
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<tr>
<td>L-125g</td>
<td>Install Conduit Mounted L-861 Runway Light in Existing Pavement, Complete</td>
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<td>L-125h</td>
<td>Install Base Mounted L-861E Runway Threshold Light in Soil, Complete</td>
<td>EA</td>
<td>16</td>
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<tr>
<td>L-125i</td>
<td>Install Sponsor-Provided L-880 LED PAPI System, Complete</td>
<td>EA</td>
<td>0</td>
<td>2</td>
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<tr>
<td>L-125j</td>
<td>Install L-849 LED REIL System</td>
<td>EA</td>
<td>2</td>
<td>0</td>
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<tr>
<td>L-125k</td>
<td>Install L-858 Guidance Sign, Size 1, Style 4</td>
<td>EA</td>
<td>5</td>
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</tr>
</tbody>
</table>

**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.
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: MO20200001 05/29/2020

Superseded General Decision Number: MO20190001

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.

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CARP0002-002 05/01/2019

ST. LOUIS COUNTY AND CITY

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CARP0005-006 05/03/2015

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

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CARP0011-001 05/01/2019

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Rates Fringes
Electricians $39.30 15.81

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

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

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.}

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

- Groundman Powderman: $32.27, Fringes: 16.09
- Groundman: $30.12, Fringes: 15.38
- Lineman Operator: $43.40, Fringes: 19.30
- Lineman: $47.30, Fringes: 20.45

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

- Groundman Powderman: $32.27, Fringes: 15.52
- Groundman: $30.12, Fringes: 14.88
- Lineman Operator: $43.40, Fringes: 18.80
- Lineman: $47.30, Fringes: 19.95

ELEC0095-001 06/01/2019

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

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ELEC0124-007 08/26/2019

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

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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

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ELEC0350-002 12/01/2019

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**ELEC0453-001 09/01/2019**

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**ELEC0545-003 06/01/2019**

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**ELEC0702-004 12/30/2019**

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**ENGI0101-001 05/01/2020**

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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) Oilier;
(b) Oilier 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.)

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* ENGI0101-005 04/01/2020

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

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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 pressure 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.

Rates Fringes

<table>
<thead>
<tr>
<th>Power equipment operators:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GROUP 1...................$ 31.72</td>
<td>14.88</td>
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<td>GROUP 2...................$ 31.37</td>
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<tr>
<td>GROUP 4...................$ 29.12</td>
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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.).

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, Cimbing (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 sources including concrete breakers, jackhammers and Barco equipment 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 | $.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 |

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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

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
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</table>

Power equipment operators:
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; lauchhammer wheel; locomotive operator standrad guage; mechanics and welders; mucking machine; piledriver operator; pitman crane operator; push cat operator; guad-trac; scoop operator; push cat operator; grillage & welding truck; 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; control operator; dozer operator; 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 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: Oilier; grout machine; oilier driver; compressor over 105 CFM one; oilier 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;

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ST. LOUIS CITY AND COUNTY

<table>
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<tr>
<th>Rates</th>
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<tr>
<td>GROUP 1</td>
<td>$34.36</td>
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<tr>
<td>GROUP 2</td>
<td>$34.36</td>
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<tr>
<td>GROUP 3</td>
<td>$33.06</td>
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<tr>
<td>GROUP 4</td>
<td>$32.61</td>
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</tbody>
</table>

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; athey 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 nd any 
hand drills obtaining power from other sources including 
concrete breakers, jackhammers and barco equipment-no 
enGINEER required); elevating grader; engineman, dredge; 
evacuator 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-greene); 
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

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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

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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

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IRON0577-005 06/01/2019

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

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IRON0584-004 06/01/2019

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

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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

<table>
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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

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**JEFFERSON COUNTY**

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**LINCOLN, MONTGOMERY AND WARREN COUNTIES**

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**ST.CHARLES COUNTY**

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</table>

**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 buggie 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 nozzleman; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; topper of standing trees; feeder man on wood pulverizers, board and willow mat weavers and cabelee tiers 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; abutement 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

----------------------------------------------------------------

LABO0579-005 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 buggie 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 nozzleman; 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

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LABORER</td>
<td></td>
</tr>
<tr>
<td>GROUP 1.................$ 31.28</td>
<td>16.33</td>
</tr>
<tr>
<td>GROUP 2.................$ 32.49</td>
<td>16.33</td>
</tr>
</tbody>
</table>

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 nozzlemen, 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 kettleman, hot tar applicator, hand blade operators, mortarmen 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.

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CLASSIFICATION OF WORKERS

Painters:

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brush and Roller; Taper</td>
<td>$28.61</td>
</tr>
<tr>
<td>High work over 60 feet</td>
<td>$29.11</td>
</tr>
<tr>
<td>Lead Abatement</td>
<td>$29.36</td>
</tr>
<tr>
<td>Pressure Roller; High work under 60 ft</td>
<td>$28.86</td>
</tr>
<tr>
<td>Spray &amp; Abrasive Blasting; Water Blasting (Over 5000 PSI)</td>
<td>$30.61</td>
</tr>
<tr>
<td>Taper (Ames Tools &amp; Bazooka)</td>
<td>$30.21</td>
</tr>
</tbody>
</table>

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Painters:

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridges, Dams, Locks or Powerhouses</td>
<td>$25.93</td>
</tr>
<tr>
<td>Brush and Roll; Taping, Paperhanging</td>
<td>$23.93</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Stage or other Aerial Work</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Platforms over 50 feet high</td>
<td></td>
</tr>
<tr>
<td>Lead Abatement</td>
<td>$ 24.93</td>
</tr>
<tr>
<td>Spray; Structural Steel</td>
<td></td>
</tr>
<tr>
<td>(over 50 feet)</td>
<td>$ 24.93</td>
</tr>
<tr>
<td>Tapers using Ames or Comparable Tools</td>
<td>$ 24.68</td>
</tr>
</tbody>
</table>

| PAIN0003-004 04/01/2017          |          |
| CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY COUNTIES |

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painters:</td>
<td></td>
</tr>
<tr>
<td>Bridgeman; Lead Abatement; Sandblast; Storage Bin &amp; Tanks.................$ 31.96</td>
<td>16.96</td>
</tr>
<tr>
<td>Brush &amp; Roller...........................................$ 29.34</td>
<td>16.96</td>
</tr>
<tr>
<td>Drywall......................................................$ 30.34</td>
<td>16.96</td>
</tr>
<tr>
<td>Paper Hanger................................................$ 29.84</td>
<td>16.96</td>
</tr>
<tr>
<td>Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping...$ 30.96</td>
<td>16.96</td>
</tr>
<tr>
<td>Steeplejack..................................................$ 35.53</td>
<td>16.96</td>
</tr>
</tbody>
</table>

| PAIN0003-011 04/01/2011          |          |
| BATES, BENTON, CALDWELL, CARROLL, COOPER, DAVIESS, GRUNDY, HARRISON, HENRY, LIVINGSTON, MERCER, MONITEAU, MORGAN, PETTIS & SALINE COUNTIES |

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painters:</td>
<td></td>
</tr>
<tr>
<td>Bridgeman; Lead Abatement; Sandblast; Storage Bin &amp; Tanks.................$ 24.06</td>
<td>14.04</td>
</tr>
<tr>
<td>Brush &amp; Roller...........................................$ 22.67</td>
<td>14.04</td>
</tr>
<tr>
<td>Drywall......................................................$ 22.84</td>
<td>14.04</td>
</tr>
<tr>
<td>Paper Hanger................................................$ 23.07</td>
<td>14.04</td>
</tr>
<tr>
<td>Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping...$ 23.56</td>
<td>14.04</td>
</tr>
<tr>
<td>Steeplejack..................................................$ 26.82</td>
<td>14.04</td>
</tr>
</tbody>
</table>

| 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 |

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painters:</td>
<td></td>
</tr>
<tr>
<td>Bridgeman; Lead Abatement; Sandblast; Storage Bin &amp; Tanks.................$ 24.06</td>
<td>14.04</td>
</tr>
<tr>
<td>Brush &amp; Roller...........................................$ 22.67</td>
<td>14.04</td>
</tr>
<tr>
<td>Drywall......................................................$ 22.84</td>
<td>14.04</td>
</tr>
<tr>
<td>Paper Hanger................................................$ 23.07</td>
<td>14.04</td>
</tr>
<tr>
<td>Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping...$ 23.56</td>
<td>14.04</td>
</tr>
<tr>
<td>Steeplejack..................................................$ 26.82</td>
<td>14.04</td>
</tr>
</tbody>
</table>
### 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

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**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

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

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**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

-----------------------------

**Rates  Fringes**

**Painters:**
<table>
<thead>
<tr>
<th>Services</th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridges, Stacks &amp; Tanks</td>
<td>$31.05</td>
<td>12.74</td>
</tr>
<tr>
<td>Brush &amp; Roller</td>
<td>$25.70</td>
<td>12.74</td>
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<tr>
<td>Spray &amp; Abrasive Blasting;</td>
<td></td>
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<tr>
<td>Waterblasting (Over 5000 PSI)</td>
<td>$28.70</td>
<td>12.74</td>
</tr>
</tbody>
</table>

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

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<thead>
<tr>
<th>Painters</th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brush &amp; Roller</td>
<td>$31.26</td>
<td>17.26</td>
</tr>
<tr>
<td>Sandblaster</td>
<td>$32.76</td>
<td>17.26</td>
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<tr>
<td>Steeplejack</td>
<td>$36.33</td>
<td>17.26</td>
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</table>

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

<table>
<thead>
<tr>
<th>CEMENT MASON/CONCRETE FINISHER</th>
<th>Rates</th>
<th>Fringes</th>
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<tbody>
<tr>
<td>CEMENT MASON/CONCRETE FINISHER</td>
<td>$24.44</td>
<td>12.11</td>
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PLAS0518-007 04/01/2020

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

<table>
<thead>
<tr>
<th>Cement Masons</th>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>Cement Masons</td>
<td>$32.72</td>
<td>18.30</td>
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PLAS0518-011 04/01/2019

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

<table>
<thead>
<tr>
<th>CEMENT MASON/CONCRETE FINISHER</th>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>CEMENT MASON/CONCRETE FINISHER</td>
<td>$32.00</td>
<td>20.13</td>
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PLAS0527-001 04/01/2018
<table>
<thead>
<tr>
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<tr>
<td>CEMENT MASON</td>
<td></td>
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<tr>
<td>FRANKLIN, LINCOLN AND</td>
<td>$30.74</td>
<td>18.07</td>
</tr>
<tr>
<td>WARREN COUNTIES</td>
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<tr>
<td>JEFFERSON, ST. CHARLES COUNTIES</td>
<td>$32.66</td>
<td>18.62</td>
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<tr>
<td>AND ST. LOUIS (City and County)</td>
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PLAS0527-004 06/01/2017

<table>
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<tr>
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PLAS0908-001 05/01/2017

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PLAS0908-005 05/01/2017

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<tr>
<td>BENTON, CALDWELL, CALLAWAY, CAMDEN, CARROLL, COLE, DAVIESS, GASCONADE, GRUNDY, HARRISON, LIVINGSTON, MACON, MARIES, MERCER, MILLER, MONTGOMERY, MORGAN, OSAGE, PETTIS &amp; SALINE COUNTIES</td>
<td>$27.60</td>
<td>15.73</td>
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PLUM0008-003 06/01/2019

<table>
<thead>
<tr>
<th>Counties</th>
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<tr>
<td>CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES</td>
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<tr>
<td>Plumbers</td>
<td>$47.14</td>
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PLUM0008-017 06/01/2019

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<tbody>
<tr>
<td>BATES, BENTON, CARROLL, HENRY, LAFAYETTE, MORGAN, PETTIS, RAY, ST. CLAIR, SALINE AND VERNON COUNTIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plumbers</td>
<td>Rates</td>
<td>Fringes</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>---------</td>
</tr>
<tr>
<td></td>
<td>$ 47.14</td>
<td>21.39</td>
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</tbody>
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PLUM0045-003 08/01/2019

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

<table>
<thead>
<tr>
<th>Plumbers and Pipefitters</th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ 37.75</td>
<td>23.65</td>
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PLUM0178-003 11/01/2019

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

<table>
<thead>
<tr>
<th>Plumbers and Pipefitters</th>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>$ 31.75</td>
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PLUM0178-006 11/01/2019

BARTON, JASPER, MCDONALD AND NEWTON COUNTIES

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<thead>
<tr>
<th>Plumbers and Pipefitters</th>
<th>Rates</th>
<th>Fringes</th>
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<tbody>
<tr>
<td>Projects $750,000 &amp; under</td>
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<td>15.35</td>
</tr>
<tr>
<td>Projects over $750,000</td>
<td>$ 31.75</td>
<td>15.12</td>
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</table>

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

<table>
<thead>
<tr>
<th>Pipefitters</th>
<th>Rates</th>
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<tr>
<td>$ 46.68</td>
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<td>22.55</td>
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</table>

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.
<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plumbers and Pipefitters</td>
<td></td>
</tr>
<tr>
<td><strong>Mechanical Contracts</strong></td>
<td></td>
</tr>
<tr>
<td>including all piping and temperature control work</td>
<td></td>
</tr>
<tr>
<td>$7.0 million &amp; under........$ 40.41</td>
<td>21.49</td>
</tr>
<tr>
<td><strong>Mechanical Contracts</strong></td>
<td></td>
</tr>
<tr>
<td>including all piping and temperature control work</td>
<td></td>
</tr>
<tr>
<td>over $7.0 million...........$ 41.85</td>
<td>27.85</td>
</tr>
</tbody>
</table>

---

**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

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plumbers</td>
<td></td>
</tr>
<tr>
<td><strong>Mechanical Contracts</strong></td>
<td></td>
</tr>
<tr>
<td>including all piping and temperature control work</td>
<td></td>
</tr>
<tr>
<td>$7.0 million &amp; under........$ 40.41</td>
<td>21.49</td>
</tr>
<tr>
<td><strong>Mechanical Contracts</strong></td>
<td></td>
</tr>
<tr>
<td>including all piping and temperature control work</td>
<td></td>
</tr>
<tr>
<td>over $7.0 million...........$ 41.85</td>
<td>27.85</td>
</tr>
</tbody>
</table>

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**TEAM0013-001 05/01/2019**

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck drivers (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES)</td>
<td></td>
</tr>
<tr>
<td>Group 1.................$ 30.34</td>
<td>13.75</td>
</tr>
<tr>
<td>Group 2.....................$ 30.49</td>
<td>13.75</td>
</tr>
<tr>
<td>Group 3.....................$ 30.61</td>
<td>13.75</td>
</tr>
<tr>
<td>Group 4.....................$ 30.50</td>
<td>13.75</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Team</th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>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)</td>
<td>$30.77</td>
<td>13.75</td>
</tr>
<tr>
<td></td>
<td>$30.92</td>
<td>13.75</td>
</tr>
<tr>
<td></td>
<td>$31.04</td>
<td>13.75</td>
</tr>
</tbody>
</table>
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, dumpster, 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
Truck drivers: Traffic Control Service
  Driver...................... $ 20.45 0.00


--------------------------------------------------------------------------------
TEAM0541-001 04/01/2019
CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

<table>
<thead>
<tr>
<th>Truck drivers:</th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROUP 1.........</td>
<td>$ 33.01</td>
<td>15.75</td>
</tr>
<tr>
<td>GROUP 2.........</td>
<td>$ 32.44</td>
<td>15.75</td>
</tr>
<tr>
<td>GROUP 3.........</td>
<td>$ 31.92</td>
<td>15.75</td>
</tr>
</tbody>
</table>

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Mechanics and Welders, Field; A-Frame Low Boy-Boom truck 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

<table>
<thead>
<tr>
<th>Truck drivers:</th>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROUP 1.........</td>
<td>$ 33.30</td>
<td>13.79+a+b+c+d</td>
</tr>
<tr>
<td>GROUP 2.........</td>
<td>$ 33.50</td>
<td>13.79+a+b+c+d</td>
</tr>
<tr>
<td>GROUP 3.........</td>
<td>$ 33.60</td>
<td>13.79+a+b+c+d</td>
</tr>
</tbody>
</table>

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:


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.

================================================================

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.

==============================================

END OF GENERAL DECISION"
Bidder has examined the proposed site and is familiar with all site conditions.

Signature
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Units</th>
<th>Estimated Quantity</th>
<th>Unit Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-100a</td>
<td>Contractor Quality Control Program (CQCP)</td>
<td>LS</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>C-102a</td>
<td>Sediment Control Log</td>
<td>EA</td>
<td>3</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>C-105a</td>
<td>Mobilization (10% Max)</td>
<td>LS</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-101a</td>
<td>Asphalt Pavement Removal</td>
<td>SY</td>
<td>50,200</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-101b</td>
<td>Partial Depth Aggregate Base Removal and Recompack</td>
<td>SY</td>
<td>50,200</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-101c</td>
<td>Joint and Crack Repair</td>
<td>LF</td>
<td>20,000</td>
<td>$</td>
<td>$</td>
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<tr>
<td>P-152a</td>
<td>Unclassified Excavation</td>
<td>CY</td>
<td>2,600</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-152b</td>
<td>Overexcavation and Replacement</td>
<td>CY</td>
<td>1,000</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-208a</td>
<td>6&quot; Aggregate Base Course</td>
<td>CY</td>
<td>8,350</td>
<td>$</td>
<td>$</td>
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<tr>
<td>P-208b</td>
<td>Separation Geotextile</td>
<td>SY</td>
<td>50,200</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-401a</td>
<td>Asphalt Paving Course</td>
<td>TON</td>
<td>11,000</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-401b</td>
<td>PG 64-22 Asphalt Binder</td>
<td>TON</td>
<td>700</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-603a</td>
<td>Emulsified Asphalt Tack Coat</td>
<td>GAL</td>
<td>3,500</td>
<td>$</td>
<td>$</td>
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<td>P-608Ra</td>
<td>Asphalt Surface Treatment</td>
<td>SY</td>
<td>34,900</td>
<td>$</td>
<td>$</td>
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<tr>
<td>P-620a</td>
<td>Permanent White Pavement Markings</td>
<td>SF</td>
<td>45,700</td>
<td>$</td>
<td>$</td>
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<tr>
<td>P-620b</td>
<td>Permanent Yellow Pavement Markings</td>
<td>SF</td>
<td>3,200</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-620c</td>
<td>Black Pavement Markings</td>
<td>SF</td>
<td>24,100</td>
<td>$</td>
<td>$</td>
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<tr>
<td>P-620d</td>
<td>Temporary White Pavement Markings</td>
<td>SF</td>
<td>45,700</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-620e</td>
<td>Temporary Yellow Pavement Markings</td>
<td>SF</td>
<td>3,200</td>
<td>$</td>
<td>$</td>
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<tr>
<td>P-620f</td>
<td>Pavement Marking Obliteration</td>
<td>SF</td>
<td>44,400</td>
<td>$</td>
<td>$</td>
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<tr>
<td>T-901a</td>
<td>Seeding with Hydromulch</td>
<td>AC</td>
<td>12</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Item No.</td>
<td>Description</td>
<td>Units</td>
<td>Estimated Quantity</td>
<td>Unit Price</td>
<td>Total</td>
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<tr>
<td>---------</td>
<td>-------------</td>
<td>-------</td>
<td>--------------------</td>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>L-108a</td>
<td>Install #8 AWG, L-824C, 5000V Wire and L-828 Constant Current Regulator at the unit price of: ________________ dollars and ________________ cents.</td>
<td>LF</td>
<td>17,500</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-108b</td>
<td>Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations at the unit price of: ________________ dollars and ________________ cents.</td>
<td>LF</td>
<td>17,000</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-109a</td>
<td>Install L-828 Constant Current Regulator, Ferroresonant Type at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-110a</td>
<td>Install 1-2&quot; Sch. 40 PVC Duct, Direct Earth Buried at the unit price of: ________________ dollars and ________________ cents.</td>
<td>LF</td>
<td>10,250</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-110b</td>
<td>Install 1-2&quot; Sch. 40 PVC Duct, Concrete Encased in Existing Pavement at the unit price of: ________________ dollars and ________________ cents.</td>
<td>LF</td>
<td>2,100</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-110c</td>
<td>Install 2-2&quot; Sch. 40 PVC Duct, Concrete Encased in Existing Pavement at the unit price of: ________________ dollars and ________________ cents.</td>
<td>LF</td>
<td>250</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-110d</td>
<td>Install 1-2&quot; HDPE Duct, Directionally Bored at the unit price of: ________________ dollars and ________________ cents.</td>
<td>LF</td>
<td>3,200</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-115a</td>
<td>Install L-867B Junction Box, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>63</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125a</td>
<td>Remove Stake Mounted Runway/Taxiway Light in Soil, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>16</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125b</td>
<td>Remove Stake Mounted Runway/Taxiway Light in Existing Pavement, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>43</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125c</td>
<td>Install Base Mounted L-861T Taxiway Edge Light in Soil, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>4</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125d</td>
<td>Install Base Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>2</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125e</td>
<td>Install Conduit Mounted L-861T Taxiway Edge Light in Existing Pavement, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>16</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125f</td>
<td>Install Base Mounted L-861 Runway Edge Light in Existing Pavement, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125g</td>
<td>Install Conduit Mounted L-861 Runway Edge Light in Existing Pavement, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>44</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125h</td>
<td>Install Base Mounted L-861E Runway Threshold Light in Soil, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>16</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>L-125j</td>
<td>Install L-849 LED REIL System, Complete at the unit price of: ________________ dollars and ________________ cents.</td>
<td>EA</td>
<td>2</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Item No.</td>
<td>Description</td>
<td>Units</td>
<td>Estimated Quantity</td>
<td>Unit Price</td>
<td>Total</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------------------------------</td>
<td>-------</td>
<td>--------------------</td>
<td>------------</td>
<td>-------</td>
</tr>
<tr>
<td>L-125k</td>
<td>Install L-858 Guidance Sign, Size 1, Style 4, Complete</td>
<td>EA</td>
<td>5</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

SCHEDULE I TOTAL $ ___________
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Units</th>
<th>Estimated Quantity</th>
<th>Unit Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-105a</td>
<td>Mobilization (10% Max) at the unit price of: ______________________ dollars</td>
<td>LS</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>and ______________________ cents.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L-108a</td>
<td>Install #8 AWG, L-824C, 5000V Wire at the unit price of: __________________</td>
<td>LF</td>
<td>26,000</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>dollars and ______________________ cents.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L-110a</td>
<td>Install 1-2” Sch. 40 PVC Duct, Direct Earth Buried at the unit price of:</td>
<td>LF</td>
<td>700</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>______________________ dollars and ______________________ cents.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L-110d</td>
<td>Install 1-2” HDPE Duct, Directionally Bored at the unit price of:</td>
<td>LF</td>
<td>300</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>______________________ dollars and ______________________ cents.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L-125i</td>
<td>Install Sponsor-Provided L-880 LED PAPI System, Complete at the unit price of</td>
<td>EA</td>
<td>2</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>______________________ dollars and ______________________ cents.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SCHEDULE II TOTAL**: $__________
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:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-110a</td>
<td>Install 1-2” SCH. 40 PVC Duct, Direct Earth Buried – per linear foot</td>
</tr>
<tr>
<td>L-110b</td>
<td>Install 1-2” SCH. 40 PVC Duct, Concrete Encased in Existing Pavement –</td>
</tr>
<tr>
<td></td>
<td>per linear foot</td>
</tr>
<tr>
<td>L-110c</td>
<td>Install 2-2” SCH. 40 PVC Duct, Concrete Encased in Existing Pavement –</td>
</tr>
<tr>
<td></td>
<td>per linear foot</td>
</tr>
<tr>
<td>L-110d</td>
<td>Install 1-2” HDPE Duct, Directionally Bored – per linear foot</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>AC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 150/5340-30</td>
<td>Design and Installation Details for Airport Visual Aids</td>
</tr>
<tr>
<td>AC 150/5345-53</td>
<td>Airport Lighting Equipment Certification Program</td>
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ASTM International (ASTM)

<table>
<thead>
<tr>
<th>ASTM</th>
<th>Description</th>
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<tbody>
<tr>
<td>ASTM A615</td>
<td>Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement</td>
</tr>
<tr>
<td>ASTM</td>
<td></td>
</tr>
<tr>
<td>1242</td>
<td></td>
</tr>
<tr>
<td>651</td>
<td></td>
</tr>
<tr>
<td>651A</td>
<td></td>
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</table>

National Fire Protection Association (NFPA)

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>National Electrical Code (NEC)</td>
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</tbody>
</table>

Underwriters Laboratories (UL)

<table>
<thead>
<tr>
<th>UL</th>
<th>Description</th>
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<tbody>
<tr>
<td>Standard 6</td>
<td>Electrical Rigid Metal Conduit - Steel</td>
</tr>
<tr>
<td>Standard 514B</td>
<td>Conduit, Tubing, and Cable Fittings</td>
</tr>
<tr>
<td>Standard 514C</td>
<td>Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers</td>
</tr>
<tr>
<td>Standard 1242</td>
<td>Electrical Intermediate Metal Conduit Steel</td>
</tr>
<tr>
<td>Standard 651</td>
<td>Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings</td>
</tr>
<tr>
<td>Standard 651A</td>
<td>Type EB and A Rigid PVC Conduit and HDPE Conduit</td>
</tr>
</tbody>
</table>

**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 Table]

<table>
<thead>
<tr>
<th>Type</th>
<th>Class</th>
<th>Mode</th>
<th>Style</th>
<th>Option</th>
<th>Base</th>
<th>Filter</th>
<th>Transformer</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-861</td>
<td>2</td>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>L-867</td>
<td>White-Yellow</td>
<td>L-830</td>
<td>LED w/o heater</td>
</tr>
<tr>
<td>L-861T</td>
<td>2</td>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>L-867</td>
<td>Blue</td>
<td>L-830</td>
<td>LED w/o heater</td>
</tr>
<tr>
<td>L-861E</td>
<td>2</td>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>L-867</td>
<td>Red-Green</td>
<td>L-830</td>
<td>LED w/o heater</td>
</tr>
</tbody>
</table>

125-2.8 RUNWAY AND TAXIWAY SIGNS. Runway and Taxiway Guidance Signs should conform to the requirements of AC 150/5345-44. Signs

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Style</th>
<th>Class</th>
<th>Mode</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-858</td>
<td>Size 1</td>
<td>Style 4</td>
<td>Class 1</td>
<td>Mode 2</td>
<td></td>
</tr>
</tbody>
</table>

125-2.9 RUNWAY END IDENTIFIER LIGHT (REIL). The REIL fixtures shall meet the requirements of AC 150/5345-51, Type L-8491, 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**
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM DESCRIPTION</th>
<th>UNITS</th>
<th>SCHEDULE I</th>
<th>AS BUILT</th>
<th>SCHEDULE II</th>
<th>AS BUILT</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-103a</td>
<td>Contractor Quality Control Program (CQCP)</td>
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<td>0</td>
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<tr>
<td>L-103b</td>
<td>Sediment Control Log</td>
<td>EA</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>L-103c</td>
<td>Mobilization (10% Mix)</td>
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<tr>
<td>P-511a</td>
<td>Asphalt Pavement Removal</td>
<td>CY</td>
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<td>P-511c</td>
<td>Partial Depth Aggregate Base Removal and Reramp</td>
<td>CY</td>
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<td>2,600</td>
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<tr>
<td>P-152a</td>
<td>Unclassified Excavation</td>
<td>CY</td>
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<td>P-206a</td>
<td>Aggregate Base Course</td>
<td>CY</td>
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<tr>
<td>P-206b</td>
<td>Separation Gravitable</td>
<td>CY</td>
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<tr>
<td>P-401a</td>
<td>Asphalt Gravel Course</td>
<td>TON</td>
<td>11,000</td>
<td>0</td>
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<tr>
<td>P-401b</td>
<td>PG 54-22 Asphalt Binder</td>
<td>TON</td>
<td>700</td>
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<tr>
<td>P-502a</td>
<td>Entrained Air Asphalt Tack Coat</td>
<td>GAL</td>
<td>1,900</td>
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<td>1,900</td>
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</tr>
<tr>
<td>L-104</td>
<td>Design and Installation Drawings</td>
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<td></td>
</tr>
<tr>
<td>L-106a</td>
<td>Install #8 AWG 4/0.52kv Wire</td>
<td>LF</td>
<td>17,000</td>
<td>0</td>
<td>17,000</td>
<td>0</td>
</tr>
<tr>
<td>L-106b</td>
<td>Install #6 AWG Bare Copper Conductor Including Ground Rods and Terminals</td>
<td>LF</td>
<td>17,000</td>
<td>0</td>
<td>17,000</td>
<td>0</td>
</tr>
<tr>
<td>L-106c</td>
<td>Install #2 AWG Bare Copper Conductors</td>
<td>LF</td>
<td>10,350</td>
<td>100</td>
<td>10,350</td>
<td>100</td>
</tr>
<tr>
<td>L-111a</td>
<td>Install 1.2&quot; Sch. 40 PVC Duct, Direct Earth Buried</td>
<td>LF</td>
<td>2,100</td>
<td>0</td>
<td>2,100</td>
<td>0</td>
</tr>
<tr>
<td>L-111b</td>
<td>Install 1.2&quot; Sch. 40 PVC Duct, Conduit Encased in Existing Pavement</td>
<td>LF</td>
<td>260</td>
<td>0</td>
<td>260</td>
<td>0</td>
</tr>
<tr>
<td>L-111c</td>
<td>Install 1.2&quot; HDPE Duct, Directly Buried</td>
<td>LF</td>
<td>1,100</td>
<td>100</td>
<td>1,100</td>
<td>100</td>
</tr>
<tr>
<td>L-113a</td>
<td>Install L-867B Junction Box, Complete</td>
<td>EA</td>
<td>93</td>
<td>0</td>
<td>93</td>
<td>0</td>
</tr>
<tr>
<td>L-125a</td>
<td>Remove/ Replace Runway/Taxiway Light in Soil, Complete</td>
<td>EA</td>
<td>16</td>
<td>0</td>
<td>16</td>
<td>0</td>
</tr>
<tr>
<td>L-125b</td>
<td>Remove/ Replace Runway/Taxiway Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>43</td>
<td>0</td>
<td>43</td>
<td>0</td>
</tr>
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<td>L-125c</td>
<td>Install Base Mounted L-861 Taxiway Edges Light in Soil, Complete</td>
<td>EA</td>
<td>4</td>
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<td>4</td>
<td>0</td>
</tr>
<tr>
<td>L-125d</td>
<td>Install Base Mounted L-861 Taxiway Edges Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>L-125e</td>
<td>Install Covd. Mounted L-861 Taxiway Edges Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>16</td>
<td>0</td>
<td>16</td>
<td>0</td>
</tr>
<tr>
<td>L-125f</td>
<td>Install Covd. Mounted L-861 Taxiway Edges Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>4</td>
<td>0</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>L-125g</td>
<td>Install Base Mounted L-861 Runway Edges Light in Existing Pavement, Complete</td>
<td>EA</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

**EARTHWORK SUMMARY**

<table>
<thead>
<tr>
<th>AREA DESCRIPTION</th>
<th>CUT (CY)</th>
<th>Fill (CY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT TOTAL</td>
<td>2,529</td>
<td>1,120</td>
</tr>
</tbody>
</table>

**PROJECT PROJ. NO.**

**JVIATION PROJ. NO.**

**REG. NO.**

**DATE**

**FOR AND ON BEHALF OF JVIATION, INC.**

**Plotted June 1, 2020**

**@ 4:13 PM by Fernando Valenciano**

**L:\MAW\Rwy 18-36 Rehab\CAD\PLANS\000-MAW-069A-G005-QTYS.dwg**
PROJECT SCHEDULE

<table>
<thead>
<tr>
<th>SCHEDULE / PHASE</th>
<th>DURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHASE 1</td>
<td>60 CALENDAR DAYS</td>
</tr>
<tr>
<td>PHASE 2</td>
<td>60 CALENDAR DAYS</td>
</tr>
<tr>
<td>PHASE 3</td>
<td>30 CALENDAR DAYS</td>
</tr>
</tbody>
</table>

SAFETY & OBJECT FREE AREAS

- **ROFA**: Runway Object Free Area
- **RSA**: Runway Safety Area
- **TOFA**: Taxiway Object Free Area
- **TSA**: Taxiway Safety Area
- **RPZ**: Runway Protection Zone
- **RPZ**: Runway Object Free Area
- **AOA**: Airport Operating Area
- **NRA**: Airport Noise Rating Area
- **SPAATZ AVE**: Spaatz Avenue
- **VANDENBURG**: Vandenburgh Avenue

**NOTE:**
- These drawings are for bidding purposes only. They were prepared by or under the supervision of JVIATION, INC.

**FOR AND ON BEHALF OF JVIATION, INC.**
1. COORDINATION
   All coordination will take place through the resident engineer and Malden-Regional Airports (MAW). Coordination among all agencies will be conducted on a regular basis. A weekly coordination meeting will be scheduled to discuss operational safety topics that have been identified. Coordination will also be conducted on an as-needed basis.

2. PROJECT MANAGEMENT
   All work will be performed in accordance with the construction contract. The contractor shall provide all materials and labor necessary to complete the work as specified. The contractor shall ensure that all work is completed in a safe and timely manner.

3. SAFETY
   The contractor shall comply with all laws, regulations, and guidelines related to safety. The contractor shall ensure that all personnel are trained in safety procedures and that appropriate safety equipment is used.

4. AVIATION
   All aviation-related work will be coordinated with MAW, the Malde Fire Department, the FAA, and other relevant agencies. The contractor shall ensure that all work is conducted in a manner that minimizes the impact on airport operations.

5. CONTRACTOR SAFETY
   The contractor shall provide a safety program that includes safety training, equipment, and procedures. The contractor shall ensure that all personnel are aware of safety hazards and are trained in safety procedures.

6. WILDLIFE MANAGEMENT
   The contractor shall comply with all wildlife management practices as stated in Advisory Circular 150/5370-2G. The contractor shall ensure that all work is conducted in a manner that minimizes the impact on wildlife.

7. AREAS AND OPERATIONS AFFECTED
   The contractor shall not affect any active areas, including runways, taxiways, and active surface safety areas. The contractor shall also not work in areas on the airport that are active for moving aircraft engines.

8. HAZARDOUS MATERIALS
   The contractor shall notify the resident engineer and the airport operator prior to entering an airport that hazardous materials are encountered.

9. NOTIFICATION OF CONSTRUCTION ACTIVITIES
   Any changes to scope or schedule must be notified to the resident engineer and the airport operator. This notification shall include a description of the changes and the potential impact on airport operations.

10. INSPECTION REQUIREMENTS
    The contractor shall complete a final inspection for safety on the project site by completing the checklist provided in Advisory Circular 150/5370-2G. The contractor shall complete project daily safety inspection checklists.

11. APPROACH CLEARANCE TO RUNWAYS
    Runway thresholds must provide an unobstructed approach for the runway. The contractor shall ensure that these obstructions are eliminated.

12. RUNWAY AND TAXIWAY VISUAL AIDS
    Flashing barbed wire and runway closure markers shall be placed adjacent to the runway and taxiway to assist aircraft in identifying the runway.

13. MARKING AND SIGNS FOR ACCESS ROUTES
    All signs shall be posted to indicate areas that are closed to the public. These signs shall also indicate the location of closed areas.

14. HAZARD MARKINGS AND LIGHTING
    Prior to closing any areas in the area to aircraft or personnel, the contractor shall provide markings and lighting that are visible to aircraft or personnel.

15. SAFETY AREAS
    Safety areas must be marked with red or orange flags and lights as approved by the resident engineer.

ISSUE FOR BID

The drawings are for bidding purposes only. They were prepared under the supervision of

BRYAN C. GREGORY
REHABILITATE RUNWAY 18/36 AND PAPI RWY 18 AND RWY 36

CONSTRUCTION SAFETY NOTES AND DETAILS

ISSUE DATE: 5-14-20

FOR AND ON BEHALF OF JVIATION, INC.
CONSTRUCTION PHASING NOTES PHASE 1 - 50 CALENDAR DAYS

NOTES

INFORMATION REQUIRED FOR ALL CLOSED AIRCRAFT OPERATIONS AREAS PRIOR TO CLOSING. 48 HOURS ADVANCE NOTICE WILL BE GIVEN CONTRACTOR PRIOR TO CLOSURE.

1. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

2. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN AND WORK PLAN FOR THIS SCHEDULE OF WORK.

3. AIRPORT PERIMETER SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

4. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADING, ROUTE(S) TO HANDLE THE CONTRACTOR'S EQUIPMENT.

5. THE CONTRACTOR SHALL PROVE A TRAFFIC CONTROL PLAN AND WORK PLAN FOR THIS SCHEDULE OF WORK.

6. THE CONTRACTOR SHALL HAVE A SATELLITE ON SITE AT ALL TIMES TO ALLOW AIRPORT FOR HALL ROUTING, CONSTRUCTION ACCESS POINTS, OR AREAS REQUIRED TO CONSTRUCT. THE CONTRACTOR SHALL CLEAR ANY OBSTACLES FROM APPROVED HALL ROUTES PRIOR TO DESTRUCTION BY CONTRACTOR.

7. THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION TRAFFIC LIMITED TO THE APPROVED HAUL ROUTES AS SHOWN ON THE PLANS OR AS APPROVED BY THE AIRPORT ENGINEER. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN AND WORK PLAN FOR THIS SCHEDULE OF WORK.

8. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

9. AIRPORT PERIMETER SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

10. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

11. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

12. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

IMPACTS ON OPERATIONS

1. AIRPORT SHALL REQUIRE FOR ALL CLOSED AIRCRAFT OPERATIONS AREAS PRIOR TO CLOSING. 48 HOURS ADVANCE NOTICE WILL BE GIVEN CONTRACTOR PRIOR TO CLOSURE.

2. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN AND WORK PLAN FOR THIS SCHEDULE OF WORK.

3. AIRPORT PERIMETER SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

4. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

5. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

6. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN AND WORK PLAN FOR THIS SCHEDULE OF WORK.

7. AIRPORT PERIMETER SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

8. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

9. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

10. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

11. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN AND WORK PLAN FOR THIS SCHEDULE OF WORK.

12. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

13. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

14. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

15. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

16. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

17. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

18. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

19. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

20. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

21. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

22. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

23. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

24. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

25. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

26. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

27. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

28. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

29. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

30. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

31. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

32. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

33. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

34. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

35. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

36. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

37. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

38. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

39. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

40. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

41. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

42. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

43. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

44. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

45. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

46. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

47. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

48. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

49. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADE, AND SEED PLACEMENT.

50. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.


2. AIRFIELD CLOSURE MARKERS SHALL BE INSTALLED ON RUNWAY 18/36. SEE SHEET 300, SHEET 500 FOR ADDITIONAL INFORMATION.

3. AIRPORT PERIMETER SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

4. ALL EXCAVATIONS AND TRENCHES IN THE SAFETY AREAS SHALL BE BACKFILLED AND COMPACTED TO P-152 PRIOR APPROVAL FROM AIRPORT OPERATIONS.

5. ALL SAFETY AREAS, OBSTACLE PPI RING ZONES, AND OBJECT PPI RING ZONES FOR ACTIVE AIRCRAFT OPERATIONS ARE TO BE DEMOLISHED, REMOVED, OR RELOCATED TO PROVIDE SPACE FOR THE CONTRACTOR."
CONSTRUCTION PHASING NOTES PHASE 2 - 14 CALENDAR DAYS

NOTES

1. NO SCORCHING WILL BE REQUIRED FOR ALL CLOSED AIRCRAFT OPERATING AREAS PRIOR TO CLOSURE. 48 HOURS ADVANCE NOTICE WILL BE GIVEN TO CONTRACTOR PRIOR TO CLOSURE.

2. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

3. THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS TO THE AIRFIELD AT ALL TIMES.

4. NO WORK, OPEN/HOUSING ENCLOSURES, STOPLINES, OR PERIMETER FENCING ARE ALLOWED IN THE SAFETY AREAS OR CLOSED PORTIONS OF THE AIRFIELD. THE ABOVE ITEMS ARE CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS.

5. ALL SAFETY AREAS, OBSTACLE FREE AREAS, AND OBJECT FREE AREAS FOR ACTIVE AIRPORT PAVEMENTS ARE OFF LIMITS TO THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM AIRPORT OPERATIONS.

6. 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.

7. AIRPORT OPERATING SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

8. RUNWAY CLOSURE MARKERS SHALL BE INSTALLED ON RUNWAY 18/36 AND RUNWAY 14/36 TO MARK CLOSED AREAS. ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADING, AND SEED PLACEMENT.

9. ALL STOCKPILE OR EQUIPMENT ADJACENT TO OBJECT FREE AREAS SHALL BE MARKED AND LIGHTED PER AC 150/5370-2G.

10. THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION TRAFFIC LIMITED TO THE APPROVED HAUL ROUTES AS SHOWN ON THE PLANS OR AS APPROVED BY THE AIRPORT AUTHORITY.

11. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN AND WORK PLAN FOR THIS SCHEDULE OF WORK. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

12. THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION TRAFFIC LIMITED TO THE APPROVED HAUL ROUTES AS SHOWN ON THE PLANS OR AS APPROVED BY THE AIRPORT AUTHORITY. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES.

13. PRIOR TO THE END OF WORK, OPEN/HOUSING ENCLOSURES, STOPLINES, OR PERIMETER FENCING ARE ALLOWED IN THE SAFETY AREAS OR CLOSED PORTIONS OF THE AIRFIELD. THE ABOVE ITEMS ARE CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS.

14. AIRPORT OPERATING SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

15. AIRFIELD PAVEMENT MARKINGS SHALL BE REMOVED FROM CLOSED TAXIWAYS AND CONNECTORS. MARKINGS SHALL BE REINSTALLED PRIOR TO REOPENING TAXIWAYS AND CONNECTORS.

IMPACTS ON OPERATIONS

1. THE CONTRACTOR SHALL HAVE A SIGNER ON SITE AT ALL TIMES TO CLEAR EMERGENCY PRE-HELF ROUTE, CONSTRUCTION ACCESS POINTS, AND EMERGENCY CONTROL POSTS ON THE CONTRACTOR'S LIABILITY. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT PRIOR TO INSTRUCTION BY AIRPORT.

2. THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION TRAFFIC LIMITED TO THE APPROVED HAUL ROUTE AS SHOWN ON THE PLANS OR AS APPROVED BY THE AIRPORT AUTHORITY. THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT PRIOR TO INSTRUCTION BY AIRPORT.

3. PRIOR TO THE END OF WORK, OPEN/HOUSING ENCLOSURES, STOPLINES, OR PERIMETER FENCING ARE ALLOWED IN THE SAFETY AREAS OR CLOSED PORTIONS OF THE AIRFIELD. THE ABOVE ITEMS ARE CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS.

4. AIRPORT OPERATING SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
GENERAL NOTES
1. SEE SHEET E220 FOR ELECTRICAL LEGEND
2. SEE SHEETS E220 THRU E223 FOR ELECTRICAL DETAILS
3. SEE SHEET E220 FOR CONSTRUCTION PHASING
4. SEE SHEET E220 FOR TYPICAL PAVEMENT SECTIONS
5. SEE SHEET E220 FOR SURVEY CONTROL INFORMATION
6. SEE SHEET E220 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.

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.

GENERAL NOTES
1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEET E250 FOR CONSTRUCTION PHASING
4. SEE SHEET E250 FOR TYPICAL PAVEMENT SECTIONS
5. SEE SHEET E250 FOR SURVEY CONTROL INFORMATION
6. SEE SHEET E250 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.

GENERAL NOTES
1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEET E250 FOR CONSTRUCTION PHASING
4. SEE SHEET E250 FOR TYPICAL PAVEMENT SECTIONS
5. SEE SHEET E250 FOR SURVEY CONTROL INFORMATION
6. SEE SHEET E250 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.

GENERAL NOTES
1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEET E250 FOR CONSTRUCTION PHASING
4. SEE SHEET E250 FOR TYPICAL PAVEMENT SECTIONS
5. SEE SHEET E250 FOR SURVEY CONTROL INFORMATION
6. SEE SHEET E250 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.
GENERAL NOTES:
1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E200 THRU E203 FOR ELECTRICAL DETAILS
3. SEE SHEET E200 THRU E203 FOR CONSTRUCTION PHASING
4. SEE SHEET E002 FOR TYPICAL PAVEMENT SECTIONS
5. SEE SHEET E002 FOR SURVEY CONTROL INFORMATION
6. SEE SHEETS C220 THRU C223 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, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
5. INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
6. INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.

GENERAL NOTES:
1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E200 THRU E203 FOR ELECTRICAL DETAILS
3. SEE SHEET E200 THRU E203 FOR CONSTRUCTION PHASING
4. SEE SHEET E002 FOR TYPICAL PAVEMENT SECTIONS
5. SEE SHEET E002 FOR SURVEY CONTROL INFORMATION
6. SEE SHEETS C220 THRU C223 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, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
5. INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
6. INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
GENERAL NOTES
1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEETS 5200 THRU 5202 FOR CONSTRUCTION PHASING
4. SEE SHEET E204 FOR TYPICAL PAVEMENT SECTIONS
5. SEE SHEET 5000 FOR SURVEY CONTROL INFORMATION
6. SEE SHEETS 5050 THRU 5054 FOR CONSTRUCTION PHASING

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 EDGE 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, CONDUIT MOUNTED IN EXISTING PAVEMENT, PER DETAIL 3, SHEET E250.
5. INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
6. INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.

REISSUE ENTIRE SHEET.
GENERAL NOTES

1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEET E250 FOR CONSTRUCTION PHASING
4. SEE SHEET E250 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, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
5. INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT MOUNTED, IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
6. INSTALL 1-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.
7. INSTALL 2-2" PVC DUCT CONCRETE ENCASED IN EXISTING PAVEMENT, PER DETAIL 2, SHEET E250.

MATCHLINE STA. 35+50.00 TO STA. 42+00.00
RUNWAY 18/36

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

JVIATION, INC.
REG. NO.
DATE
FOR AND ON BEHALF OF JVIATION, INC.

MALDEN REGIONAL AIRPORT

ISSUED FOR BID
BRYAN S. GREGORY
REG. NO.
DATE
FOR AND ON BEHALF OF JVIATION, INC.

REISSUE ENTIRE SHEET
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.

GENERAL NOTES
1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEET E250 FOR TYPICAL PAVEMENT SECTIONS
4. SEE SHEET G006 FOR SURVEY CONTROL INFORMATION
5. 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.
GENERAL NOTES

1. SEE SHEET F071 FOR ELECTRICAL LEGEND.
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS.
3. SEE SHEETS 5005+00 THRU 5050+00 FOR CONTRACTOR
   PHasing.
4. SEE SHEET F050 FOR TYPICAL PAVEMENT SECTIONS.
5. SEE SHEET F071 FOR SURVEY CONTROL INFORMATION.
6. SEE SHEET 6005+00 THRU 6050+00 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, CONDUIT
   MOUNTED, BURIED IN EXISTING PAVEMENT, PER DETAIL 5, SHEET E250.
5. INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT
   MOUNTED, BURIED IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
6. INSTALL 1" PVC DUCT CONCRETE ENCASED IN EXISTING
   PAVEMENT, PER DETAIL 2, SHEET E250.
7. INSTALL 2" PVC DUCT CONCRETE ENCASED IN EXISTING
   PAVEMENT, PER DETAIL 2, SHEET E250.

GENERAL NOTES

1. SEE SHEET F071 FOR ELECTRICAL LEGEND.
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS.
3. SEE SHEETS 5005+00 THRU 5050+00 FOR CONTRACTOR
   PHasing.
4. SEE SHEET F050 FOR TYPICAL PAVEMENT SECTIONS.
5. SEE SHEET F071 FOR SURVEY CONTROL INFORMATION.
6. SEE SHEET 6005+00 THRU 6050+00 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, CONDUIT
   MOUNTED, BURIED IN EXISTING PAVEMENT, PER DETAIL 5, SHEET E250.
5. INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT
   MOUNTED, BURIED IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
6. INSTALL 1" PVC DUCT CONCRETE ENCASED IN EXISTING
   PAVEMENT, PER DETAIL 2, SHEET E250.
7. INSTALL 2" PVC DUCT CONCRETE ENCASED IN EXISTING
   PAVEMENT, PER DETAIL 2, SHEET E250.

GENERAL NOTES

1. SEE SHEET F071 FOR ELECTRICAL LEGEND.
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS.
3. SEE SHEETS 5005+00 THRU 5050+00 FOR CONTRACTOR
   PHasing.
4. SEE SHEET F050 FOR TYPICAL PAVEMENT SECTIONS.
5. SEE SHEET F071 FOR SURVEY CONTROL INFORMATION.
6. SEE SHEET 6005+00 THRU 6050+00 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, CONDUIT
   MOUNTED, BURIED IN EXISTING PAVEMENT, PER DETAIL 5, SHEET E250.
5. INSTALL L-861T LED TAXIWAY EDGE LIGHT, CONDUIT
   MOUNTED, BURIED IN EXISTING PAVEMENT, PER DETAIL 6, SHEET E250.
6. INSTALL 1" PVC DUCT CONCRETE ENCASED IN EXISTING
   PAVEMENT, PER DETAIL 2, SHEET E250.
7. INSTALL 2" PVC DUCT CONCRETE ENCASED IN EXISTING
   PAVEMENT, PER DETAIL 2, SHEET E250.
CONDUCTOR INSULATION

1. Amerace Superkit or Approved Equal May Be Used In Lieu Of Heatshrink Tubing.
2. Removing Insulation Per Manufacturer's Instructions. Do Not Use Heat Gun
3. Clean Connector And Cable Insulation With Wax Or Grease Solvent To Remove Surface Contamination
4. Insert Cable Into Connector To Proper Depth
5. Compact Subgrade
6. Clean Connector And Cable Insulation With Wax Or Grease Solvent To Remove Surface Contamination
7. Apply Rubber Tape And Vinyl Tape One Half Lapped, 1 1/2 Inches On Each Side Of Joint
8. Any Connector Which Is Contaminated By Dirt Or Other Damage Material Shall Be Removed And Not Reinstalled
9. Center-Hub Shown Over The Connector, Apply Hub Evenly Beginning At The Center And Working Around Until It Meets, Do Not Overheat
10. To Remove Insulation Per Manufacturer's Instructions. Do Not Nick The Conductor
11. 1/2" ERKAN HOLE, SPLAY INSULATORS ON 6" UNIVERSAL, DO NOT SPLAY
12. The Heat Source Shall Be An Electric Heat Gun Or A Propane Torch With A Flame Spreader To Be Approved By The Engineer

NOTE:
- NOTE: 1. No Separate Payment Shall Be Made For The Lead Connecting Cables Unless The Lead Connecting Cables Are Additional, Which Are Stan

L-823 INSTALLATION INSTRUCTIONS TO RECEPTACLE

1. Remove Insulation Per Manufacturer's Instructions. Do Not NICK The Conductor
2. Center Heat Shrink Over The Connector. Apply Heat Evenly Beginning At The Center And Working Around Until It Meets. Do Not Overheat
3. Complete Connection By Mating The Plug And Receptacle. CAUTION: BE SURE THE CABLE DOES NOT SLIP OUT WHEN THE CONNECTION IS MADE
4. Apply Rubber Tape And Vinyl Tape One Half Lapped, 1 1/2 Inches On Each Side Of Joint
5. Any Connector Which Is Contaminated By Dirt Or Other Damage Material Shall Be Removed And Not Reinstalled
6. Center-Hub Shown Over The Connector, Apply Hub Evenly Beginning At The Center And Working Around Until It Meets. Do Not Overheat
7. To Remove Insulation Per Manufacturer's Instructions. Do Not Nick The Conductor
8. 1/2" ERKAN HOLE, SPLAY INSULATORS ON 6" UNIVERSAL, DO NOT SPLAY
9. The Heat Source Shall Be An Electric Heat Gun Or A Propane Torch With A Flame Spreader To Be Approved By The Engineer

NOTE:
- NOTE: 1. No Separate Payment Shall Be Made For The Lead Connecting Cables Unless The Lead Connecting Cables Are Additional, Which Are Stan

LED INSTALLATION INSTRUCTIONS TO SUPPORT l-823 CONNECTOR

1. Amerace Superkit or Approved Equal May Be Used In Lieu Of Heatshrink Tubing.
2. Removing Insulation Per Manufacturer's Instructions. Do Not Use Heat Gun
3. Clean Connector And Cable Insulation With Wax Or Grease Solvent To Remove Surface Contamination
4. Insert Cable Into Connector To Proper Depth
5. Compact Subgrade
6. Clean Connector And Cable Insulation With Wax Or Grease Solvent To Remove Surface Contamination
7. Apply Rubber Tape And Vinyl Tape One Half Lapped, 1 1/2 Inches On Each Side Of Joint
8. Any Connector Which Is Contaminated By Dirt Or Other Damage Material Shall Be Removed And Not Reinstalled
9. Center-Hub Shown Over The Connector, Apply Hub Evenly Beginning At The Center And Working Around Until It Meets. Do Not Overheat
10. To Remove Insulation Per Manufacturer's Instructions. Do Not Nick The Conductor
11. 1/2" ERKAN HOLE, SPLAY INSULATORS ON 6" UNIVERSAL, DO NOT SPLAY
12. The Heat Source Shall Be An Electric Heat Gun Or A Propane Torch With A Flame Spreader To Be Approved By The Engineer

NOTE:
- NOTE: 1. No Separate Payment Shall Be Made For The Lead Connecting Cables Unless The Lead Connecting Cables Are Additional, Which Are Stan
REHABILITATE RUNWAY 18/36
AND PAPI RWY 18 AND RWY 36
ELECTRICAL DETAILS

TRANSPORTATION DIRECTOR

JVIATION PROJ. NO.

FOR AND ON BEHALF OF JVIATION, INC.

5-14-20
ISSUED FOR BID

5-14-20
ISSUED FOR BID

87

NEW NON-LIGHTED GUIDANCE SIGN DETAIL

INSTALL 2" PVC CONDUIT
NEW L-849I, STYLE E LED REIL

NOTES:
1. INSTALL NEW L-849I, STYLE E LED REIL UNITS 40' FROM RUNWAY THRESHOLD.
2. POWER AND CONTROL WIRING FOR THE REIL SYSTEM SHALL BE CONSIDERED INCIDENTAL TO THE REIL INSTALLATION.
3. CONDUCTORS SHALL BE CONSIDERED INCIDENTAL TO THE REIL INSTALLATION.

REIL INSTALLATION SECTION DETAIL

NOTES:
1. THE CONTRACTOR SHALL REMOVE THE EXISTING REIL SYSTEM COMPLETELY AND INSTALL NEW UNITS, CONCRETE BASES, JUNCTION BOXES, CABLE, ETC.
2. POWER AND CONTROL WIRING FOR THE REIL SYSTEM SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL WIRE INSTALLATIONS. THE CONTRACTOR SHALL USE STANDARDS APPLICABLE FOR THE PARTICULAR SIGN MANUFACTURER. THE BOLTING PATTERN, METHOD OF ANCHORING, ETC., SHALL BE PER THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.
4. INSTALL L-830 ISOLATION TRANSFORMER IN JUNCTION BOX ON A RISER (BRICK), IF REQUIRED.

REIL PLAN VIEW DETAIL

NOTES:
1. INSTALL NEW L-849I, STYLE E LED REIL UNITS 40' FROM RUNWAY THRESHOLD.
2. POWER AND CONTROL WIRING FOR THE REIL SYSTEM SHALL BE CONSIDERED INCIDENTAL TO THE REIL INSTALLATION.
3. CONDUCTORS SHALL BE CONSIDERED INCIDENTAL TO THE REIL INSTALLATION.

CURRENT REGULATOR, 7.5KW, 6"X6" - #10 X #10 WIRE MESH

INSTALL NEW L-858 UNLIGHTED CONCRETE BASE. VERIFY PAD DIMENSIONS.
INSTALL FLEXIBLE METALLIC CURRENT REGULATOR, 7.5KW, 6"X6" - #10 X #10 MESH

NEW L-858 UNLIGHTED GUIDANCE SIGN DETAIL

INSTALL CONDUIT FOR CONNECTIONS TO CONDUIT AND WIRING TO NEW SIZE BASE BASED ON SIGN DIMENSIONS.
INSTALL NEW L-858 UNLIGHTED GUIDANCE SIGN. PROVIDE NEW INSTALLATION.

NEW NON-LIGHTED GUIDANCE SIGN DETAIL

NEW NON-LIGHTED GUIDANCE SIGN DETAIL

INSTALLATION SHALL BE PER THE MANUFACTURER'S LIGHTING CONTROLLER.
LIGHTING. CONTRACTOR SHALL TIE CCR INTO EXISTING PILOT CONTROL SYSTEM.
DISCONNECT FOR ALL WIRING PER MANUFACTURER'S RECOMMENDATIONS.
DISCONNECT FOR ALL WIRING PER MANUFACTURER'S RECOMMENDATIONS.

NOTES:
1. INSTALL 2" PVC CONDUIT.
2. CONDUCTORS SHALL INSTALL NEW RELAY PANEL FOR RW 18/36 INSTALLATIONS. THE CONTRACTOR SHALL USE STANDARDS APPLICABLE FOR THE PARTICULAR SIGN MANUFACTURER. THE BOLTING PATTERN, METHOD OF ANCHORING, ETC., SHALL BE PER THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.
3. ALL WIRE INSTALLATIONS. THE CONTRACTOR SHALL USE STANDARDS APPLICABLE FOR THE PARTICULAR SIGN MANUFACTURER. THE BOLTING PATTERN, METHOD OF ANCHORING, ETC., SHALL BE PER THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.
4. ALL WIRE INSTALLATIONS. THE CONTRACTOR SHALL USE STANDARDS APPLICABLE FOR THE PARTICULAR SIGN MANUFACTURER. THE BOLTING PATTERN, METHOD OF ANCHORING, ETC., SHALL BE PER THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.
5. ALL WIRE INSTALLATIONS. THE CONTRACTOR SHALL USE STANDARDS APPLICABLE FOR THE PARTICULAR SIGN MANUFACTURER. THE BOLTING PATTERN, METHOD OF ANCHORING, ETC., SHALL BE PER THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.

NOTES:
1. INSTALL HELD REMOVAL OF THIS EXISTING GUIDANCE SIGN SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE NEW GUIDANCE SIGN.
2. ALL EXISTING SIGNS SHALL CONNECT TO TC TO TERMINAL UNLIT ALIGNED. SIGN 1'OF UNLIT AND SHALL BE LOCATED 15' FROM BASE TO PAVEMENT EDGE IN LINE WITH THE HOLD LINE AS SHOWN ON THE PLAN VIEW.
3. THE DETAILS SHOWN IN THE PLAN PROVIDE THE MINIMUM REQUIREMENTS FOR SIGN INSTALLATION. THE CONTRACTOR SHALL USE STANDARDS APPLICABLE FOR THE PARTICULAR SIGN MANUFACTURER. THE BOLTING PATTERN, METHOD OF ANCHORING, ETC., SHALL BE PER THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.
4. INSTALL L-830 ISOLATION TRANSFORMER IN JUNCTION BOX ON A RISER (BRICK), IF REQUIRED.
5. ALL EXISTING SIGNS SHALL BE REFLECTIVE. TETHERS SHALL BE 1/8" STAINLESS STEEL AIRCRAFT CABLE WITH A FORMED EYE ON BOTH ENDS. THE TETHER SHALL BE ATTACHED TO THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.
6. ALL WIRE INSTALLATIONS. THE CONTRACTOR SHALL USE STANDARDS APPLICABLE FOR THE PARTICULAR SIGN MANUFACTURER. THE BOLTING PATTERN, METHOD OF ANCHORING, ETC., SHALL BE PER THE SIGN MANUFACTURER'S RECOMMENDATIONS AND SHALL BE APPROVED BY THE ENGINEER.
7. INSTALL 2'' PVC CONDUIT.

2'' RGS CONDUIT WITH #6 AWG BARE COPPER GROUND WIRE

INSTALL L-830 ISOLATION TRANSFORMER IN JUNCTION BOX ON A RISER (BRICK), IF REQUIRED.
INSTALL NEW L-849I, STYLE E LED UNLIGHTED GUIDANCE SIGN.
INSTALL NEW L-849I, STYLE E LED UNLIGHTED GUIDANCE SIGN.
INSTALL NEW L-849I, STYLE E LED UNLIGHTED GUIDANCE SIGN.
INSTALL NEW L-849I, STYLE E LED UNLIGHTED GUIDANCE SIGN.
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INSTALL NEW L-849I, STYLE E LED UNLIGHTED GUIDANCE SIGN.
INSTALL NEW L-849I, STYLE E LED UNLIGHTED GUIDANCE SIGN.
GENERAL NOTES

1. SEE SHEET E001 FOR ELECTRICAL LEGEND
2. SEE SHEETS E250 THRU E253 FOR ELECTRICAL DETAILS
3. SEE SHEETS 20-079A-1 FOR CONSTRUCTION PHASING
4. SEE SHEET E254 FOR TYPICAL PAVEMENT SECTIONS
5. SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS
6. SEE SHEET G006 FOR SURVEY CONTROL INFORMATION
7. SEE SHEETS C700 THRU C708 FOR PAVEMENT MARKING INFORMATION

CONTRACTOR SHALL LOCATE ALL EXISTING AIRFIELD UTILITIES ALONG HOMERUN ALIGNMENT PRIOR TO CONSTRUCTION.

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

ELECTRICAL HOMERUN LAYOUT PLAN

MALDEN REGIONAL AIRPORT

FOR AND ON BEHALF OF JVIATION, INC.

REG. NO. 5-14-20

B.S.G.

ADDENDUM NO. 2

BRYAN S. GREGORY

ISSUED FOR BID

JVIATION PROJ. NO.

100-MAW-069A-E254-ELEC-GEOM

MoDOT PROJ. NO.

1

L:

Malden Regional Airpo

06/01/20

ADDENDUM NO. 2

BRYAN S. GREGORY

ISSUED FOR BID

REG. NO. 5-14-20

B.S.G.

ADDENDUM NO. 2

BRYAN S. GREGORY

ISSUED FOR BID

REG. NO. 5-14-20

B.S.G.

ADDENDUM NO. 2

BRYAN S. GREGORY

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B.S.G.

ADDENDUM NO. 2

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ISSUED FOR BID

REG. NO. 5-14-20

B.S.G.

ADDENDUM NO. 2

BRYAN S. GREGORY

ISSUED FOR BID

REG. NO. 5-14-20

B.S.G.
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

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<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM DESCRIPTION</th>
<th>UNITS</th>
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<td>T-901a</td>
<td>SEEDING WITH HYDROMULCH</td>
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<td>L-108a</td>
<td>INSTALL #6 AWG, L-824C, 5000V WIRE</td>
<td>LF</td>
<td>17,500</td>
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<td>L-108b</td>
<td>INSTALL #6 AWG, BASE COPPER COUNTERPOISE INCLUDING GROUND RODS AND TERMINATIONS</td>
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<td>L-109a</td>
<td>INSTALL NEW L-828 CONSTANT CURRENT REGULATOR, FERRORESONANT TYPE</td>
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<td>L-110a</td>
<td>INSTALL 1-2” SCH. 40 PVC DUCT, DIRECT EARTH BURIED</td>
<td>LF</td>
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<td>L-110b</td>
<td>INSTALL 1-2” SCH. 40 PVC DUCT, CONCRETE ENCASED IN EXISTING PAVEMENT</td>
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<td>L-110c</td>
<td>INSTALL 1-2” HDPE DUCT, DIRECTIONALLY BORED</td>
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<td>L-115a</td>
<td>INSTALL L-867B JUNCTION BOX, COMPLETE</td>
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<td>L-125a</td>
<td>REMOVE RUNWAY/TAXIWAY EDGE LIGHT, COMPLETE</td>
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<td>L-125b</td>
<td>INSTALL L-861T LED TAXIWAY EDGE LIGHT</td>
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<td>L-125c</td>
<td>INSTALL L-861 LED RUNWAY EDGE LIGHT</td>
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<td>L-125d</td>
<td>INSTALL L-861E LED RUNWAY THRESHOLD/END LIGHT</td>
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<td>L-125e</td>
<td>INSTALL L-880 LED PAPI SYSTEM, COMPLETE</td>
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<tr>
<td>L-125f</td>
<td>INSTALL L-849 RED REIL SYSTEM</td>
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<td>L-125g</td>
<td>INSTALL L-858 GUIDANCE SIGN, SIZE 1, STYLE 4</td>
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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**

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:

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**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.
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.

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.

   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 PAPI’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

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<th>Name</th>
<th>Company</th>
<th>Telephone No.</th>
<th>Email</th>
</tr>
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<tr>
<td>Bryan Gregory</td>
<td>Jviation, Inc.</td>
<td>573-658-9476</td>
<td><a href="mailto:bryan.gregory@jviation.com">bryan.gregory@jviation.com</a></td>
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<tr>
<td>JIm McElhenny</td>
<td>KT Power Systems</td>
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