January 10, 2020

To: Plan Holders for Improvements to the
Washington County Airport
Mineral Point, Missouri
MoDOT Project No. 19-060A-1

Transmitted herewith is Addendum No. 1 to the Issued for Bid Contract Documents, Specifications and Plans dated December 20, 2019 for Improvements to the Washington County Airport.

Schedule I: Access Road Relocation

Schedule II: Obstruction Removal

Schedule III: Existing Access Removal

Sincerely,

Jviation, Inc.

Mark Lovato, P.E.
Project Manager
ADDENDUM NO. 1
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
WASHINGTON COUNTY AIRPORT
MINERAL POINT, MISSOURI
MODOT PROJECT NO. 19-060A-1

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of January 10, 2020:

1. CONTRACT DOCUMENTS/SPECIFICATIONS

Contract Documents – Notice to Bidders

Section: Contract Work Items, Summary of Approximate Quantities table on page Section 1-2
Revision: This table was updated to reflect the current quantities
Justification: This revision was made to match the quantities reflected in the bid proposal and plan quantities.

Contract Documents – Notice to Bidders

Section: Item Contract Time on page Section 1-2
Revision: This project has been changed to a calendar day project instead of a completion date project.
Justification: The project completion date of June 5, 2020 is no longer valid, the project must be completed within 135 calendar days for Schedule I, 60 calendar days for Schedule II, and 7 calendar days for Schedule III.

Contract Documents – Section 3 – General Contract Provisions (FAA)

Section: Section 80, Execution and Progress
Revision: Refer to attached page Section 3-40, subparagraph 80-07.1
Justification: This paragraph was updated to reflect a calendar day project.

Contract Documents – Section 3 – General Contract Provisions (FAA)

Section: Section 80, Execution and Progress
Revision: Refer to attached page Section 3-40, subparagraph 80-08
Justification: This paragraph was modified to reflect costs for liquidated damages for a calendar day project.

Contract Documents – Section 4 – Supplementary Provisions

Section: Part D – Federal and State Wage Rates
Revision: Replace federal wage rates with attached new rates dated 01/03/2020.
Justification: The federal wage rate was updated on January 3, 2020.
**Contract Documents** – Proposal/Forms – Proposal Form  
**Section:** Bid Proposal Summary and Schedules I, II and III  
**Revision:** Replace bid proposal form in its entirety.  
*Justification: Bid alternatives were added to Schedule II to provide for clarity in the bid document.*

**Contract Documents** – Proposal/Forms  
**Section:** Acknowledges by Bidder  
**Revision:** Item h. - Dollar ($) sign was inserted.  
*Justification: Clarify $750 per Calendar day as the non-penal amount as liquid damages to Owner.*

**Contract Documents** – Proposal/Forms – Proposal Form  
**Section:** Form of Contract Agreement, Article 6 – Liquidated Damages  
**Revision:** Dollar ($) sign was inserted.  
*Justification: Clarify $750 per Calendar day as the non-penal amount as liquid damages to Owner.*

2. **PLANS**

**G003A** - (3 of 32) General Notes 12: coordinate with the sponsor and/or the engineer for on-site placement location(s) is omitted and replaced with place the millings at an off-site location.  
*Justification: The Airport has decided not to keep the millings on-site, the Contractor is to take the millings off-site.*

**G005** - (6 of 32) Summary of Approximate Quantities table: P-151a Clearing and Grubbing and T-901a Seeding with Hydromulch Estimate for Schedule I has changed from 5 to 4.5 AC.  
*Justification: The quantity sheet has been updated to show the proper decimal.*

**G050** - (10 of 32) In the site map and the Overall Phasing Legend: The millings stockpile area has been omitted.  
*Justification: The Airport has decided not to keep the millings on-site, the Contractor is to take the millings off-site.*

**G052** - (12 of 32) Under Schedule I & II/Phase 1 **Duration** All other work: “January 15,2020 – May 29, 2020” is omitted and replaced with “Anytime”. In the site map and the Overall Phasing Legend: The millings stockpile area has been omitted.  
*Justification: There is no longer a June 5, 2020 completion date. The Airport has decided not to keep the millings on-site, the Contractor is to take the millings off-site.*

**G053** - (13 of 32) In the site map and the Overall Phasing Legend: The millings stockpile area has been omitted.  
*Justification: The Airport has decided not to keep the millings on-site, the Contractor is to take the millings off-site.*

**G054** - (14 of 32) In the site map and the Overall Phasing Legend: The millings stockpile area has been omitted.  
*Justification: The Airport has decided not to keep the millings on-site, the Contractor is to take the millings off-site.*
3. **QUESTIONS**

A. *Will all schedules be awarded?*

   Answer: See section 1-3 Paragraph d. The Schedules will be awarded based on funding availability.

B. *Do the stumps need to be removed?*

   The construction will be either tree topping or tree clearing which would include removing the entire tree down to 6 inches below ground elevation.

C. *Is the pre-bid mandatory?*

   No, the pre-bid conference is not mandatory; however, it is mandatory for all bidders to examine the site prior to bidding.

D. *Will the MoDOT traffic signs be supplied by MoDOT?*

   No, the Contractor shall be responsible for providing and maintaining any and all traffic control devices. All associated costs are incidental to construction and will not be paid separately.

E. *Is this a calendar day project?*

   Yes, this is a calendar day project please refer to Section 80-07.1 Contract time based on calendar days.

F. *Is the runway closure marker lighted?*

   The runway closure “X” is not required to be lighted per the plans sheet G051, as long as the runway isn’t closed during nighttime operations.

G. *Does the Contractor have to have their own surveyor?*

   Yes.

H. *Does the Contractor’s surveyor have to be certified?*

   Yes.

I. *Is there burning allowed in Washington County?*

   There is not a burn ban in Washington County, however burning will not be allowed on the project due to the smoke potentially causing visual obstruction for aircraft. You will have to haul the trees off-site.

J. *Is there an access road on the northwest end of the runway for the trees to be removed?*

   No, Contractor is to coordinate with the Airport and Resident Engineer for access to the trees.
K. Is the compaction test standard or modified?

The compaction requirements per section 152-2.10 Compaction Requirements states that “The subgrade under areas to be paved shall be compacted to a density of not less than 100 percent of maximum dry density as determined by ASTM D 698” – which is Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort.

L. How will we obtain access to the obstruction removal area?

The Contractor is responsible for contacting the tenant to gain access to the trees in the obstruction removal area.

M. Is there only one location for the F-160a Fence?

Yes, the fence will be constructed across the existing access road per the plans, page C201, and the fence is not to be constructed within the right-of-way of Highway 8.

N. Can the sod be re-used for the side slopes of the access road?

According to section 152-2.14 of the P-152 Embankment In-Place specification, “Topsoil shall be salvaged from stripping or other grading operations. If, at the time of excavation or stripping, the topsoil cannot be placed in its final section of finished construction, the material shall be stockpiled at approved locations.” The topsoil may be re-used as long as it is viable and will grow grass.

O. How is topsoil paid?

Under section 152-2.14 Topsoil of the P-152 Embankment In-Place specification, topsoil will be paid for as embankment in-place. Re-handling of Topsoil will not be paid separately and will be incidental to embankment in-place.

P. The borrow site area is a significant cut, what about bedrock?

If the Contractor encounters bedrock within the borrow site, then the Contractor will be allowed to take dirt from the adjacent areas to the borrow site that is marked on the plans as long as the new area does not impact the haul route. The Contractor will still be responsible for grading all of the disturbed areas.

Q. Will a pipe be needed at the base of the slope from Highway 8 and going under the new access road to prevent pooling of water?

There will not be a new pipe at the base of Highway 8, but there will be a 24-inch reinforced concrete pipe at the eastern side under the new access road. The grading in the plans on sheet C300 diverts the water to the pipe on the east end of the new access road.

R. What type of radios will the Contractor be required to have? Will they be for just listening to aircraft or between construction workers?

According to the Part C – Local Provisions 3. Radio Communications, the Contractor’s superintendent and flagman shall be required to monitor transceiver radios tuned to the 123 MH frequency at all times. The radios will be used to monitor movement of aircraft in the case that the Contractor will need to move out of the approach. See plan sheet G003A General Notes, Paragraph 9: “The Contractor shall provide the necessary number of radios for his/her workforce.
S. Will the Contractor have to locate the utilities?

Yes, according to the plans sheet G051 number 21. Utilities, The Contractor shall be responsible for locating all underground utilities prior to beginning construction.

T. Will there be a closed lane on Highway 8?

It isn’t anticipated that a lane will need to be closed on Highway 8, however if the Contractor’s work requires it then the Contractor shall follow MUTCD specifications.

U. Will the Contractor be required to have an engineer on-site at all times?

No, but the Contractor is required to have a supervisor on-site when working.

V. Will we be able to mow the small brush in the obstruction removal area?

If it is necessary, yes.

W. Does the Contractor have to have their own tester if Jviation has one on-site?

The Contractor shall employ a Quality Control (QC) testing organization to perform all Contractor required QC tests in accordance with Item C-100 Contractor Quality Control Program (CQCP). QC inspections shall be performed daily as needed to ensure continuing compliance with contract requirements until completion of the particular feature of work. It is to the benefit of the Contractor to supply their own QC tester to make sure they are meeting the specification requirements and to provide documentation that they complied within the specifications as to compare with the QA testing.

X. Will you be able to switch to a MoDOT Highway technical specification for the asphalt?

No, we are keeping the MO-401F Plant Mix Bituminous Pavements technical specification.

Y. I was curious if we would be allowed to leave mulch from the trees (the ones across Hwy 8) on the site spread out on the ground? This question would be applicable for the base bid and/or the Alternate.

The Contractor is able to mulch the trees, however they must coordinate with the Airport to where they shall be placed.

Z. Also, is there any lidar data available showing tree heights, even if it is a few years old?

There is not any lidar data for the tree heights. Please refer to the plan sheets C101 and C102 for the average tree height data for each zone.

4. PRE-BID MEETING AGENDA AND SIGN-IN SHEET

The pre-bid meeting agenda, sign-in sheet and plan holder’s list are attached to this addendum.

The final questions will be accepted until 12:00 p.m. (C.S.T.) Wednesday January 15, 2020.

** END OF ADDENDUM NO. 1 **
### SUMMARY OF APPROXIMATE QUANTITIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Unit</th>
<th>Schedule I</th>
<th>Schedule II</th>
<th>Schedule III</th>
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<td>MO-903a</td>
<td>Stop Sign, 36 in. (R1-1)</td>
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<td>MO-903c</td>
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### SCHEDULE II ALTERNATE

| P-151e | Tree Clearing | AC | 0 | 12 | 0 |

**Contract Time.** The owner has established a contract perform time of 142 Calendar Days 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 County of Washington, 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.
80-07 DETERMINATION AND EXTENSION OF CONTRACT TIME. The number of calendar or working days allowed for completion of the work shall be stated in the proposal and contract and shall be known as the CONTRACT TIME.

If the contract time require extension for reasons beyond the Contractor's control, it shall be adjusted as follows:

80-07.1 Contract time based on calendar days. Contract Time based on calendar days shall consist of the number of calendar days stated in the contract counting from the effective date of the Notice to Proceed and including all Saturdays, Sundays, holidays, and non-work days. All calendar days elapsing between the effective dates of the Owner’s orders to suspend and resume all work, due to causes not the fault of the Contractor, shall be excluded.

At the time of final payment, the contract time shall be increased in the same proportion as the cost of the actually completed quantities bears to the cost of the originally estimated quantities in the proposal. Such increase in the contract time shall not consider either cost of work or the extension of contract time that has been covered by a change order or supplemental agreement. Charges against the contract time will cease as of the date of final acceptance.

80-08 FAILURE TO COMPLETE ON TIME. For each calendar day or working day, as specified in the contract, that any work remains uncompleted after the contract time (including all extensions and adjustments as provided in the paragraph 80-07, DETERMINATION AND EXTENSION OF CONTRACT TIME, the sum specified in the contract and proposal as liquidated damages will be deducted from any money due or to become due the Contractor or his or her surety. Such deducted sums shall not be deducted as a penalty but shall be considered as liquidation of a reasonable portion of damages including but not limited to additional engineering services that will be incurred by the Owner should the Contractor fail to complete the work in the time provided in their contract.

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<th>Schedule</th>
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<th>Allowed Construction Time</th>
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<tr>
<td>Schedule I</td>
<td>$750/ Calendar Day(s)</td>
<td>135 Calendar Days</td>
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<tr>
<td>Schedule II</td>
<td>$750/ Calendar Day(s)</td>
<td>60 Calendar Days</td>
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<tr>
<td>Schedule III</td>
<td>$750/ Calendar Day(s)</td>
<td>7 Calendar Days</td>
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* Clearing and topping trees for Schedule II must be completed before March 31, 2020 or between November 1, 2020 and December 31, 2020.

In addition to the above liquidated damages, up to $1800 per calendar day(s) for the Construction Manager, and/or up to $1400 per calendar day(s) 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 days allowed. Reference the Local Provisions in Section 4, Part C.

The maximum construction time allowed for overall project is 142 Calendar Days will be the sum of time allowed for individual schedules but not more than 142 Calendar Days. 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.

80-09 DEFAULT AND TERMINATION OF CONTRACT. The Contractor shall be considered in default of their contract and such default will be considered as cause for the Owner to terminate the contract for any of the following reasons if the Contractor:
"General Decision Number: MO20200001 01/03/2020

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.

Modification Number Publication Date
0 01/03/2020

CARP0002-002 05/01/2019

ST. LOUIS COUNTY AND CITY

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<td>Carpenters</td>
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CARP0005-006 05/03/2015

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

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<td>CARPENTERS &amp; LATHERS $36.34</td>
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CARP0011-001 05/01/2019

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Caldwell, Carroll, Daviess,
DeKalb, Gentry, Grundy,
Harrison, Henry, Holt,
Livingston, Mercer,
Nodaway, St. Clair, Saline
And Worth Counties.........$ 30.76    17.77
Audrain (East of Hwy.19),
Ralls, Marion, Lewis,
Clark and Scotland Counties.$ 32.29    17.77
Barry, Barton, Camden,
Cedar, Christian, Dade,
Dallas, Douglas, Greene,
Hickory, Jasper, Laclede,
Lawrence, McDonald,
Newton, Ozark, Polk,
Stone, Taney, Vernon,
Webster and Wright Counties.$ 30.36    17.77
Benton, Morgan and Pettis...$ 30.81    17.77
Bollinger, Butler, Cape
Girardeau, Dunklin,
Mississippi, New Madrid,
Pemiscot, Perry, Ste.
Genevieve, Scott, Stoddard
And Wayne Counties.........$ 32.14    17.77
Buchanan, Clinton, Johnson
And Lafayette Counties......$ 31.49    17.77
Carter, Howell, Oregon and
Ripley Counties.............$ 31.09    17.77
Crawford, Dent, Gasconade,
Iron, Madison, Maries,
Montgomery, Phelps,
Pulaski, Reynolds, Shannon
And Texas Counties.........$ 32.13    17.77
Franklin County..........$ 35.56    17.77
Jefferson and St. Charles
Counties.....................$ 38.02    17.77
Lincoln County.............$ 34.00    17.77
Pike, St. Francois and
Washington Counties.......$ 32.92    17.77
Warren County..............$ 34.44    17.77
BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, FRANKLIN, IRON, JEFFERSON, LINCOLN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (City and County), STE. GENEVIEVE, SCOTT, STODDARD, WARREN, WASHINGTON AND WAYNE COUNTIES

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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

<table>
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<th>Rates</th>
<th>Fringes</th>
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<td>Line Construction:</td>
<td></td>
</tr>
<tr>
<td>Equipment Operator</td>
<td>$ 39.50</td>
</tr>
<tr>
<td>Groundman &amp; Truck Driver</td>
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<tr>
<td>Lineman &amp; Cable Splicer</td>
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</tbody>
</table>

Line Construction: (ANDREW, ATCHISON, BARRY, BARTON, BUCHANAN, CALDWELL, CEDAR, CHRISTIAN, CLINTON, DADE,}

---

https://beta.sam.gov/wage-determination/MO20200001/0/document
DALLAS, DAVIES,, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, MCDONALD, MERCER, NEWTON, NODAWARE, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)

Groundman Powdernman........$ 31.56 14.90  
Groundman..................$ 29.46 14.29  
Lineman Operator...........$ 42.24 18.00  
Lineman....................$ 45.70 19.00

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

Groundman Powdernman........$ 31.56 14.90  
Groundman..................$ 29.46 14.29  
Lineman Operator...........$ 42.24 18.00  
Lineman....................$ 45.70 19.00

* ELEC0095-001 06/01/2019

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

Rates Fringes

Electricians:

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

* ELEC0124-007 08/26/2019

BATES, BENTON, CARROLL, CASS, CLAY, COOPER, HENRY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY AND SALINE COUNTIES:
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<tr>
<td>Cable Splicers .......... $ 30.42</td>
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<tr>
<td>Electricians .......... $ 33.25</td>
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</table>

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ELEC0350-002 12/01/2018

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

<table>
<thead>
<tr>
<th>Rates</th>
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<tbody>
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<tr>
<td>Electricians .......... $ 31.50</td>
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</table>

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ELEC0453-001 09/01/2019

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

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

ELEC0545-003 06/01/2019

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

<table>
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<tr>
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ELEC0702-004 01/01/2019

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

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Groundman - Class A...

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<tr>
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Operator Class II (all other equipment)

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Heavy-Equipment Operator

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Class I (all crawler type equipment D-4 and larger)

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Lineman...

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ENGI0101-001 05/01/2016

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

https://beta.sam.gov/wage-determination/MO20200001/0/document
Rates | Fringes
---|---
GROUP 1................$ 33.38 | 15.92
GROUP 2................$ 32.98 | 15.92
GROUP 3................$ 30.98 | 15.92

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

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

HOURLY PREMIUMS:

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE ($ .25) ABOVE
GROUP 1 RATE: Dragline operator - 3 yds. & over; shovel
3 yds. & over; clamshell 3 yds. & over; Crane, rigs or
piledrivers, 100’ of boom or over (incl. jib.), hoist –
each additional active drum over 2 drums

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

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

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ENGI0101-005 04/01/2018

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

<table>
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<th>Fringes</th>
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<td>$ 30.71</td>
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<tr>
<td>$ 34.06</td>
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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 gauge); 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 rooteer (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.

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

ENGI0101-022 05/01/2016

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

<table>
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<td>GROUP 3.................$ 30.27</td>
<td>13.30</td>
</tr>
<tr>
<td>GROUP 4.................$ 28.22</td>
<td>13.30</td>
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</table>

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

<table>
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<th>Fringes</th>
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<tbody>
<tr>
<td>GROUP 1 .......... $ 34.36</td>
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<td>GROUP 2 .......... $ 34.36</td>
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</tr>
<tr>
<td>GROUP 3 .......... $ 33.06</td>
<td>27.36</td>
</tr>
<tr>
<td>GROUP 4 .......... $ 32.61</td>
<td>27.36</td>
</tr>
</tbody>
</table>

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 self-propelled) hoisting or
moving brick and concrete into, or into and on floor level,
one or both; Crane, Climbing (such as Linden); Crane,
Hydraulic - Rough Terrain, self-propelled; Crane, Hydraulic
- Truck or Cruiser mounted - under 16 tons; Drilling
machine - Self-powered, used for earth or rock drilling or
boring (wagon drills and any hand drills obtaining power
from other 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 - add $.01 per foot to maximum of $4.00);
Crane, using rock socket tool - $.50;
Derrick, diesel, gas or electric hoisting material and erecting steel (150 ft or more above ground) - $.50;
Dragline, 7 cu yds and over - $.50;
Hoist, Three or more drums in use - $.50;
Scoop, Tandem - $.50;
Shovel, Power - 7 cu yds and over - $.50;
Tractor, Tandem Crawler - $.50;
Tunnel, man assigned to work in tunnel or
tunnel shaft - $ .50;
Wrecking, when machines are working on
second floor or higher - $ .50

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ENGI0513-006 05/01/2019

<table>
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<td>27.16</td>
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<tr>
<td>$ 25.49</td>
<td>27.16</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; back hoe; blade operator - all
types; boat operator tow; boiler two; central mix concrete
plant operator; clam shell operator; concrete mixer paver;
cone operator; derrick or derrick trucks; ditching
machine; dozer operator; dragline operator; dredge booster
pump; dredge engineman; dredge operator; drill cat with
compressor mounted on cat; drilling or boring machine
rotary self-propelled; highloader; hoisting engine 2 active
drums; launchhammer wheel; locomotive operator standrad
guage; mechanics and welders; mucking machine; piledriver
operator; pitman crane operator; push cat operator;
guad-trac; scoop operator; sideboom cats; skimmer scoop
operator; trenching machine operator; truck crane, shovel
operator.

GROUP 2: A-Frame; asphalt hot-mix silo; asphalt roller
operator asphalt plant fireman (drum or boiler); asphalt
plant man; asphalt plant mixer operator; backfiller
operator; barber-greene loader; boat operator (bridge &
dams); chip spreader; concrete mixer operator skip loader;
concrete plant operator; concrete pump operator; dredge
oiler; elevating graded operator; fork lift; grease fleet;
hoisting engine one; locomotive operator narrow guage;
multiple compactor; pavement breaker; powerbroom
self-propelled; power shield; rooter; slip-form finishing
machine; stumpcutter machine; side discharge concrete
spreader; throtleman; 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
185 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 machine; distributor
operator; finishing machine operator; flex plane operator;
float operator; form grader operator; pugmill operator;
riller operator other than high type asphalt; screening &
washing plant operator; siphons & jets; subgrading machine
operator; tank car heater (combination boiler & booster);
ulmac, ulric or similar spreader; vibrating machine
operator; hydrobroom.

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

FOOTNOTE: HOURLY PREMIUMS

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

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

ENG10513-007 05/06/2019

ST. LOUIS CITY AND COUNTY

<table>
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<th>Rates</th>
<th>Fringes</th>
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<tr>
<td>$32.61</td>
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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 and any hand drills obtaining power from other sources including concrete breakers, jackhammers and barco equipment-no engineer required); elevating grader; engineman, dredge; excavator or powerbelt machine; finishing machine, self-propelled oscillating screed; forklift; grader, road with power blade; highlift. greaser; hoist, stack, hydro-hammer; loading machine (such as barber-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 04/01/2019

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,
PETTIS, POLK, PUTNAM,
RANDOLPH, 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.... $ 33.55 30.44

IRON0321-002 09/01/2019

DOUGLAS, HOWELL and OZARK COUNTIES

Rates Fringes

Ironworker ................. $ 21.10 19.01

IRON0396-004 08/07/2019

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

Rates Fringes

Ironworker ................. $ 34.91 27.36

IRON0396-009 08/07/2019
AUDRAIN, CALLAWAY, COLE, CRAWFORD, DENT, GASCONADE, MARIES, MONTGOMERY, OSAGE, PHELPS, PIKE, PULASKI, TEXAS and WRIGHT Counties; and portions of BOONE, CAMDEN, DOUGLAS, HOWELL, LACLEDE, MILLER, MONROE, OREGON, SHANNON and RALLS Counties

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ironworker</td>
<td>$30.44</td>
</tr>
</tbody>
</table>

IRON0577-005 06/01/2019

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

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
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<td>$26.60</td>
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</table>

IRON0584-004 06/01/2019

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

<table>
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<th>Rates</th>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

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

Ironworkers:

Locks, Dams, Bridges and other major work on the Mississippi and Ohio River
<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
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<tbody>
<tr>
<td>only........................................... $ 31.63 24.27</td>
<td></td>
</tr>
<tr>
<td>All Other Work...................... $ 27.38 23.29</td>
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LAB00842-003 03/06/2019

ST. LOUIS (City and County)

<table>
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<tbody>
<tr>
<td>LABORER</td>
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<tr>
<td>Plumber Laborer........... $ 33.22 15.67</td>
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</table>

LAB00842-005 03/06/2019

ST. LOUIS (City and County)

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<tbody>
<tr>
<td>LABORER</td>
<td></td>
</tr>
<tr>
<td>Dynamiter, Powderman....... $ 33.22 15.67</td>
<td></td>
</tr>
<tr>
<td>Laborers, Flaggers........... $ 33.22 15.67</td>
<td></td>
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<tr>
<td>Wrecking......................... $ 33.22 15.67</td>
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</table>

LAB00424-002 05/01/2016

<table>
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<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>LABORER</td>
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</tr>
</tbody>
</table>

ADAIR, AUDRAIN, BOONE,
CALLAWAY, CHARITON, CLARK,
COLE, COOPER, HOWARD,
IRON, KNOX, LEWIS, LINN,
MACON, MADISON, MARION,
MILLER, MONITEAU, MONROE,
PERRY, PIKE, PUTNAM,
Ralls, Randolph, Reynolds,
ST. FRANCOIS, STE.
GENEVIEVE, SCHUYLER,
SCOTLAND, SHELBY AND
SULLIVAN COUNTIES

GROUP 1.................. $ 27.96 13.17

https://beta.sam.gov/wage-determination/MO20200001/0/document
GROUP 2......................$ 27.96  13.17

BOLLINGER, BUTLER, CAPE

GIRARDEAU, CARTER,

CRAWFORD, DENT, DUNKLIN,

GASCONADE, HOWELL, MARIES,

MISSISSIPPI, NEW MADRID,

OREGAN, OSAGE, PEMISCOT,

PHELPS, PULASKI, RIPLEY,

SCOTT, SHANNON, STODDARD,

TEXAS, WASHINGTON AND

WAYNE COUNTIES

GROUP 1......................$ 27.96  13.17
GROUP 2......................$ 27.96  13.17

FRANKLIN COUNTY

GROUP 1......................$ 29.71  13.17
GROUP 2......................$ 30.31  13.17

JEFFERSON COUNTY

GROUP 1......................$ 29.76  13.17
GROUP 2......................$ 30.36  13.17

LINCOLN, MONTGOMERY AND

WARREN COUNTIES

GROUP 1......................$ 31.18  13.32
GROUP 2......................$ 31.18  13.32

ST.CHARLES COUNTY

GROUP 1......................$  3.18  13.32
GROUP 2......................$ 31.18  13.32

LABORERS CLASSIFICATIONS

GROUP 1 - General laborer-flagman, carpenter tenders;
salamander Tenders; Dump Man; Ticket Takers; loading trucks
under bins, hoppers, and conveyors; track man; cement
handler; dump man on earth fill; georgie 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; crushee feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material; top 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; abutment and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulk 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; stringline 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

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LAB00579-005 05/01/2019

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

LABORER (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON,

DAVIESS, DEKALB, GENTRY,
GRUNDY, HARRISON, HOLT,
LIVINGSTON, MERCER, NODAWAY
and WORTH COUNTIES.)

GROUP 1........................$ 26.66 14.97
GROUP 2........................$ 27.01 14.97

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........................$ 25.66 14.17
GROUP 2........................$ 26.21 14.17

LABORER (LAFAYETTE COUNTY)

GROUP 1........................$ 27.21 0.0014.42
GROUP 2........................$ 27.56 0.0014.42

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 nozzle man; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy
material or materials (where special protection is required); rubbing concrete; topper of standing trees; batter board man on pipe and ditch work; feeder man on wood pulverizers; board and willow mat weavers and cable tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 feet where compressed air is not used; abutment and pier hole men working six (6) feet or more below ground; men working in coffer dams for bridge piers and footings in the river; ditchliners; pressure groutmen; caulkers; 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.

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LAB00663-002 04/01/2019

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</td>
<td>$ 30.73</td>
</tr>
<tr>
<td>GROUP 2</td>
<td>$ 31.94</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 nozzleman, 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, ditch liners, pressure groutmen, caulker and chain or concrete saw, cliff scalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground, mortar men 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, mortar men on brick or block manholes, sand blasting and gunnite nozzle men, rubbing concrete, air tool operator in tunnels, head pipe layer on sewer work, manhole builder (brick or
(block), dynamite and powder men.

PAIN0002-002 09/01/2007

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

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painters:</td>
<td></td>
</tr>
<tr>
<td>Brush and Roller; Taper.....$ 28.61</td>
<td>10.24</td>
</tr>
<tr>
<td>High work over 60 feet......$ 29.11</td>
<td>10.24</td>
</tr>
<tr>
<td>Lead Abatement..........$ 29.36</td>
<td>10.24</td>
</tr>
<tr>
<td>Pressure Roller; High work under 60 ft.................$ 28.86</td>
<td>10.24</td>
</tr>
<tr>
<td>Spray &amp; Abrasive Blasting; Water Blasting (Over 5000 PSI).................$ 30.61</td>
<td>10.24</td>
</tr>
<tr>
<td>Taper (Ames Tools &amp; Bazooka).......................$ 30.21</td>
<td>10.24</td>
</tr>
</tbody>
</table>

PAIN0002-006 04/01/2018

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

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>Painters:</td>
<td></td>
</tr>
<tr>
<td>Bridges, Dams, Locks or Powerhouses.................$ 25.93</td>
<td>12.79</td>
</tr>
<tr>
<td>Brush and Roll; Taping, Paperhanging.................$ 23.93</td>
<td>12.79</td>
</tr>
<tr>
<td>Epoxy or Any Two Part Coating; Sandblasting;</td>
<td></td>
</tr>
</tbody>
</table>
Stage or other Aerial Work
- Platforms over 50 feet
  high; Lead Abatement...........$ 24.93  12.79
Spray; Structural Steel
  (over 50 feet)...............$ 24.93  12.79
Tapers using Ames or
  Comparable Tools...........$ 24.68  12.79

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PAIN0008-004 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></td>
<td></td>
</tr>
</tbody>
</table>

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

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PAIN008-011 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></td>
<td></td>
</tr>
</tbody>
</table>

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

PAIN0203-001 04/01/2012

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

<table>
<thead>
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<th>Rates</th>
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<tbody>
<tr>
<td>Finisher.................$ 20.18</td>
<td>11.33</td>
</tr>
<tr>
<td>Painter..................$ 19.75</td>
<td>11.76</td>
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<tr>
<td>Sandblaster, High Man,</td>
<td></td>
</tr>
<tr>
<td>Spray Man, Vinyl Hanger,</td>
<td></td>
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<tr>
<td>Tool Operator............$ 21.18</td>
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</table>

PAIN1265-003 07/01/2013

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

<table>
<thead>
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<th>Rates</th>
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<tbody>
<tr>
<td>Brush and Roller........$ 25.64</td>
<td>13.27</td>
</tr>
<tr>
<td>Floor Work..............$ 26.14</td>
<td>13.27</td>
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<tr>
<td>Lead Abatement..........$ 27.89</td>
<td>13.27</td>
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<tr>
<td>Spray....................$ 27.14</td>
<td>13.27</td>
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<tr>
<td>Structural Steel,</td>
<td></td>
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</tbody>
</table>
Sandblasting and All Tank
Work.........................$ 26.89  13.27
Taping, Paperhanging........$ 26.64  13.27

PAIN1292-002 09/01/2016

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

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

Painters:

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

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

PAIN1292-003 09/01/2017

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

<table>
<thead>
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<th>Rates</th>
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</table>

Painters:

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

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

---

**PAIN2012-001 04/01/2019**

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

<table>
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<td>$36.33</td>
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**PLAS0518-006 03/01/2019**

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

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**PLAS0518-007 04/01/2019**

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

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<td>$32.32</td>
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**PLAS0518-011 04/01/2019**
CEMENT MASON/CONCRETE FINISHER...$ 32.00 20.13

PLAS0527-001 04/01/2018

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

PLAS0527-004 06/01/2017

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

CEMENT MASON.................$ 28.10 18.07

PLAS0908-001 05/01/2017

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

CEMENT MASON.................$ 27.60 15.73
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<td>$45.34</td>
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<th>Fringes</th>
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<tr>
<td>Plumbers</td>
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<td>21.39</td>
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<tbody>
<tr>
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<td>$37.75</td>
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<tr>
<td>PLUM0178-003 11/01/18</td>
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</table>
BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE,
HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND
WRIGHT COUNTIES

<table>
<thead>
<tr>
<th>Rates</th>
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<tbody>
<tr>
<td>Plumbers and Pipefitters $30.90</td>
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PLUM0178-006 11/01/2018

BARTON, JASPER, MCDONALD AND NEWTON COUNTIES

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<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>Plumbers and Pipefitters</td>
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</tr>
<tr>
<td>Projects $750,000 &amp; under $27.93</td>
<td>15.35</td>
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<tr>
<td>Projects over $750,000.......$30.90</td>
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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>Rates</th>
<th>Fringes</th>
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<tbody>
<tr>
<td>Pipefitters $46.68</td>
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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,
MORROW, 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>
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<tr>
<th>Rates</th>
<th>Fringes</th>
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<tbody>
<tr>
<td>Plumbers and Pipefitters</td>
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<tr>
<td>Mechanical Contracts</td>
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<tr>
<td>including all piping and</td>
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<tr>
<td>temperature control work</td>
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<tr>
<td>$7.0 million &amp; under...........$ 40.41</td>
<td>21.49</td>
</tr>
<tr>
<td>Mechanical Contracts</td>
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<td>including all piping and</td>
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<td>temperature control work</td>
<td></td>
</tr>
<tr>
<td>over $7.0 million...........$ 41.85</td>
<td>27.85</td>
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</tbody>
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PLUM0562-016 07/01/2019

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

<table>
<thead>
<tr>
<th>Rates</th>
<th>Fringes</th>
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</thead>
<tbody>
<tr>
<td>Plumbers</td>
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</tr>
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</tr>
<tr>
<td>including all piping and</td>
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<tr>
<td>temperature control work</td>
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<tr>
<td>$7.0 million &amp; under...........$ 40.41</td>
<td>21.49</td>
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<tr>
<td>Mechanical Contracts</td>
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<td>including all piping and</td>
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<tr>
<td>temperature control work</td>
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<tr>
<td>over $7.0 million...........$ 41.85</td>
<td>27.85</td>
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TEAM0013-001 05/01/2019

<table>
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<th>Fringes</th>
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<tbody>
<tr>
<td>Truck drivers (ADAIIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM,</td>
<td></td>
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</table>
RIPLEY, SCHUYLER AND SCOTLAND COUNTIES)

GROUP 1........................ $ 30.34  13.75
GROUP 2........................ $ 30.49  13.75
GROUP 3........................ $ 30.61  13.75
GROUP 4........................ $ 30.50  13.75

Truck drivers (AUDRAIN,
BOLLINGER, BOONE, CALLAWAY,
CAPE GIRARDEAU, CARTER, COLE,
CRAWFORD, DENT, GASCONADE,
IRON, MACON, MADISON, MARIES,
MARION, MILLER, MISSISSIPPI,
MONROE, MONTGOMERY, NEW,
MADRID, OSAGE, PEMISCOT,
PERRY, PHELPS, PIKE, PULASKI,
RALLS, REYNOLDS, ST.
FRANCOIS, STE. GENEVIEVE,
SCOTT, SHANNON, SHELBY,
STOOPARD, 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........................ $ 32.23  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

-----------------------------------------------
TEAM 0056-001 05/01/2019

<table>
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<th>Fringes</th>
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</table>

Truck drivers (ANDREW, BARTON, BATES, BENTON, CALDuell, 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 COUNTRIES)

  GROUP 1......................$ 30.77  13.75
  GROUP 2......................$ 30.92  13.75
  GROUP 3......................$ 31.04  13.75
  GROUP 4......................$ 30.93  13.75

Truck drivers: (ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD)
MERCER, NODAWAY, OZARK,
STONE, SULLIVAN, TANEY AND
WORTH COUNTIES)

GROUP 1 .................. $ 30.04 13.75
GROUP 2 .................. $ 30.19 13.75
GROUP 3 .................. $ 30.31 13.75
GROUP 4 .................. $ 30.20 13.75

Truck drivers; (BUCHANAN,
JOHNSON AND LAFAYETTE
COUNTIES)

GROUP 1 .................. $ 31.98 13.75
GROUP 2 .................. $ 32.13 13.75
GROUP 3 .................. $ 32.20 13.75
GROUP 4 .................. $ 32.09 13.75

TRUCK DRIVER CLASSIFICATIONS

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

GROUP 2: Agitator and transit mix-trucks.

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

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

------------------------------------------------------------------
TEAM0245-001 03/26/2012

BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DALLAS, DENT, DOUGLAS,
GREENE, HICKORY, HOWELL, JASPER, LACLEDE, LAWRENCE, MCDONALD,
MILLER, NEWTON, OZARK, PHELPS, POLK, PULASKI, SHANNON, STONE,
TANEY, TEXAS, VERNON, WEBSTER AND WRIGHT COUNTIES
<table>
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<tr>
<td>Truck drivers: Traffic Control Service</td>
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<tr>
<td>Driver..................$ 20.45</td>
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TEAM0541-001 04/01/2019

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

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<td>GROUP 1.................$ 33.01</td>
<td>15.75</td>
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<td>GROUP 2.................$ 32.44</td>
<td>15.75</td>
</tr>
<tr>
<td>GROUP 3.................$ 31.92</td>
<td>15.75</td>
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TRUCK DRIVERS CLASSIFICATIONS

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

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

GROUP 3: Oilers and Greasers - Field

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TEAM0682-002 05/01/2017
ST LOUIS CITY AND COUNTY

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<td>GROUP 1</td>
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<td>GROUP 2</td>
<td>$ 33.50</td>
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<tr>
<td>GROUP 3</td>
<td>$ 33.60</td>
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</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.

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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 Name:

<table>
<thead>
<tr>
<th>Schedule/Alternate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Schedule II TOTAL</td>
<td>$</td>
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<tr>
<td>Alternate No. 1 TOTAL</td>
<td>$</td>
</tr>
<tr>
<td>Alternate No. 2 TOTAL</td>
<td>$</td>
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<tr>
<td>Schedule III TOTAL</td>
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</tbody>
</table>

**Total Schedules I, II, III and Alternate No. 1** $ 

**Total Schedules I, II, III and Alternate No. 2** $ 

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>
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</thead>
<tbody>
<tr>
<td>C-105a</td>
<td>Mobilization at the unit price of: _______________ dollars and _______________ cents.</td>
<td>LS</td>
<td>1</td>
<td>$</td>
<td>$</td>
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<tr>
<td>C-102a</td>
<td>Erosion Control Log at the unit price of: _______________ dollars and _______________ cents.</td>
<td>LF</td>
<td>850</td>
<td>$</td>
<td>$</td>
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<tr>
<td>C-102b</td>
<td>Ditch Check at the unit price of: _______________ dollars and _______________ cents.</td>
<td>EA</td>
<td>5</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>C-102c</td>
<td>Culvert Protection at the unit price of: _______________ dollars and _______________ cents.</td>
<td>EA</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>C-102b</td>
<td>Asphalt Pavement Removal - Butt Joint at the unit price of: _______________ dollars and _______________ cents.</td>
<td>SY</td>
<td>80</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>C-102c</td>
<td>Removal of Structures/Foundations at the unit price of: _______________ dollars and _______________ cents.</td>
<td>LS</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-101b</td>
<td>Clearing and Grubbing at the unit price of: _______________ dollars and _______________ cents.</td>
<td>AC</td>
<td>4.5</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-152a</td>
<td>Embankment In-Place at the unit price of: _______________ dollars and _______________ cents.</td>
<td>CY</td>
<td>12,465</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-152b</td>
<td>Embankment In-Place from Off-site at the unit price of: _______________ dollars and _______________ cents.</td>
<td>CY</td>
<td>2,035</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>MO-209a</td>
<td>Crushed Aggregate Base Course at the unit price of: _______________ dollars and _______________ cents.</td>
<td>SY</td>
<td>1,550</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>MO-401Fa</td>
<td>Bituminous Asphalt Pavement at the unit price of: _______________ dollars and _______________ cents.</td>
<td>TON</td>
<td>630</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-603a</td>
<td>Emulsified Asphalt Tack Coat at the unit price of: _______________ dollars and _______________ cents.</td>
<td>GAL</td>
<td>430</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>MO-609a</td>
<td>Type 4 Rock Ditch Liner at the unit price of: _______________ dollars and _______________ cents.</td>
<td>CY</td>
<td>65</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>D-701a</td>
<td>24 inch Reinforced Concrete Pipe at the unit price of: _______________ dollars and _______________ cents.</td>
<td>LF</td>
<td>100</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>T-901a</td>
<td>Seeding with Hydromulch at the unit price of: _______________ dollars and _______________ cents.</td>
<td>AC</td>
<td>4.5</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>MO-903a</td>
<td>Stop Sign, 36 in. (R1-1) at the unit price of: _______________ dollars and _______________ cents.</td>
<td>EA</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>MO-903b</td>
<td>12 GA. Perforated Square Steel Tube Post, 2.5 in., with 7 GA. Anchor Post and Concrete Footing (for stop sign) at the unit price of: _______________ dollars and _______________ cents.</td>
<td>EA</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>MO-903d</td>
<td>Relocate Existing Airport Sign Assembly on two wooden Breakaway Posts at the unit price of: _______________ dollars and _______________ cents.</td>
<td>LS</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

**SCHEDULE I TOTAL $_________**
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Units</th>
<th>Estimated Quantity</th>
<th>Unit Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-105a</td>
<td>Mobilization at the unit price of: _______ dollars and _______ cents.</td>
<td>LS</td>
<td>1</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>P-151a</td>
<td>Clearing and Grubbing at the unit price of: _______ dollars and _______ cents.</td>
<td>AC</td>
<td>11.3</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>T-901a</td>
<td>Seeding with Hydromulch at the unit price of: _______ dollars and _______ cents.</td>
<td>AC</td>
<td>11</td>
<td>$</td>
<td></td>
</tr>
</tbody>
</table>

**SCHEDULE II TOTAL $**

**ALTERNATE NO. 1**

<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>P-151b</td>
<td>Tree Topping (Zone 1 and 2) at the unit price of: _______ dollars and _______ cents.</td>
<td>AC</td>
<td>6</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>P-151c</td>
<td>Tree Topping (Zone 3 and 4) at the unit price of: _______ dollars and _______ cents.</td>
<td>AC</td>
<td>4.0</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>P-151d</td>
<td>Tree Topping (Zone 5) at the unit price of: _______ dollars and _______ cents.</td>
<td>AC</td>
<td>1.3</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>P-151e</td>
<td>Tree Clearing at the unit price of: _______ dollars and _______ cents.</td>
<td>AC</td>
<td>0.7</td>
<td>$</td>
<td></td>
</tr>
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</table>

**ALTERNATE NO. 1 TOTAL $**

**ALTERNATE NO. 2**

<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>P-151e</td>
<td>Tree Clearing at the unit price of: _______ dollars and _______ cents.</td>
<td>AC</td>
<td>12.0</td>
<td>$</td>
<td></td>
</tr>
</tbody>
</table>

**ALTERNATE NO. 2 TOTAL $**

**SCHEDULE II + ALTERNATE NO. 1**

**SCHEDULE II + ALTERNATE NO. 2**
<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 at the unit price of: ________________________ dollars and ______ cents.</td>
<td>LS</td>
<td>1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>P-101a</td>
<td>Asphalt Pavement Removal - Full Depth at the unit price of: ________________ dollars and __________ cents.</td>
<td>SY</td>
<td>134</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>F-160a</td>
<td>Fence, Class B (4-Strand Barb Wire, Wood Posts) at the unit price of: ________________ dollars and __________ cents.</td>
<td>LF</td>
<td>85</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>T-901a</td>
<td>Seeding with Hydromulch at the unit price of: ________________________ dollars and ______ cents.</td>
<td>AC</td>
<td>0.1</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>MO-903c</td>
<td>Road Closed, 30 in. x 48 in. (R11-2) with fasteners at the unit price of: ________________ dollars and __________ cents.</td>
<td>EA</td>
<td>2</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

**SCHEDULE III TOTAL** $ ________
ACKNOWLEDGEMENTS BY BIDDER

a. By submittal of a proposal, the BIDDER acknowledges and accepts that the quantities established by the OWNER are an approximate estimate of the quantities required to fully complete the Project and that the estimated quantities are principally intended to serve as a basis for evaluation of bids. The BIDDER further acknowledges and accepts that payment under this contract will be made only for actual quantities and that quantities will vary in accordance with the General Provisions subsection entitled “Alteration of Work and Quantities”.

b. The BIDDER acknowledges and accepts that the Bid Documents are comprised of the documents identified within the General Provisions. The BIDDER further acknowledges that each of the individual documents that comprise the Bid Documents are complementary to one another and together establishes the complete terms, conditions and obligations of the successful BIDDER.

c. As evidence of good faith in submitting this proposal, the undersigned encloses a bid guaranty in the form of a certified check, cashier’s check or bid bond in the amount of 5% of the bid price. The BIDDER acknowledges and accepts that refusal or failure to accept award and execute a contract within the terms and conditions established herein will result in forfeiture of the bid guaranty to the owner as a liquidated damage.

d. The BIDDER acknowledges and accepts the OWNER’S right to reject any or all bids.

e. The BIDDER acknowledges and accepts the OWNER’S right to hold all Proposals for purposes of review and evaluation and not issue a notice-of-award for a period not to exceed 60 calendar days from the stated date for receipt of bids.

f. The undersigned agrees that upon written notice of award of contract, he or she will execute the contract within thirty (30) days of the notice-of-award, and furthermore, and provide executed payment and performance bonds within thirty (30) days from the date of contract execution. The undersigned accepts that failure to execute the contract and provide the required bonds within the stated timeframe shall result in forfeiture of the bid guaranty to the owner as a liquidated damage.

g. Time of Performance: By submittal of this proposal, the undersigned acknowledges and agrees to commence work within ten (10) calendar days of the date specified in the written “Notice-to-Proceed” as issued by the OWNER. The undersigned further agrees to complete the Project within 142 Calendar days from the commencement date specified in the Notice-to-Proceed.

h. The undersigned acknowledges and accepts that for each and every Calendar day the project remains incomplete beyond the contract time of performance, the Contractor shall pay the non-penal amount of $750 per Calendar day as a liquidated damage to the OWNER.

i. The undersigned prime contractor, if not a MoDOT certified DBE, hereby assures that they will subcontract 10 percent of the dollar value of the prime contract to DBE firms or make good faith efforts to meet the DBE contract goal. In addition, the prime contractor will include the DBE clauses (see Supplementary Provision No. 6 of the Federal and State Provisions) required by the DBE Program adopted by MoDOT and the city in all contracts and subcontracts relating to this project. The undersigned will complete the DBE Participation information included herein, when a DBE goal has been established, including a demonstration of good faith efforts if the DBE goal is not met. If the undersigned prime contractor is a MoDOT certified DBE firm, then the prime contractor must perform at least thirty percent (30%) of the total contract value work with its own forces, and will receive DBE credit for all work which the prime contractor and any other MoDOT certified DBE firm performs directly.
Article 3 – Contract Price

In consideration of the faithful performance and completion of the Work by the CONTRACTOR in accordance with the Contract Documents, OWNER shall pay the CONTRACTOR an amount equal to:

(Amount in Written Words) (Amount in Numerals)

subject to the following:

a. Said amount is based on the schedule of prices and estimated quantities stated in CONTRACTOR’s Bid Proposal, which is attached to and made a part of this Agreement;

b. Said amount is the aggregate sum of the result of the CONTRACTOR’s stated unit prices multiplied by the associated estimated quantities;

c. CONTRACTOR and OWNER agree that said estimated quantities are not guaranteed and that the determination of actual quantities is to be made by the OWNER’S ENGINEER;

d. Said amount is subject to modification for additions and deductions as provided for within the Contract General Provisions.

Article 4 – Payment

Upon the completion of the work and its acceptance by the OWNER, all sums due the CONTRACTOR by reason of faithful performance of the work, taking into consideration additions to or deductions from the Contract price by reason of alterations or modifications of the original Contract or by reason of “Extra Work” authorized under this Contract, will be paid to the CONTRACTOR by the OWNER after said completion and acceptance.

The acceptance of final payment by the CONTRACTOR shall be considered as a release in full of all claims against the OWNER, arising out of, or by reason of, the work completed and materials furnished under this Contract.

OWNER shall make progress payments to the CONTRACTOR in accordance with the terms set forth in the General Provisions. Progress payments shall be based on estimates prepared by the ENGINEER for the value of work performed and materials completed in place in accordance with the Contract Drawings and Specifications. Progress payments are subject to retainage requirements as set forth in the General Provisions.

Article 5 – Contract Time

The CONTRACTOR agrees to commence work within ten (10) calendar days of the date specified in the OWNER’S Notice-to-Proceed. CONTRACTOR further agrees to complete said work within 142 calendar days of the commencement date stated within the Notice-to-Proceed.

It is expressly understood and agreed that the stated Contract Time is reasonable for the completion of the Work, taking all factors into consideration. Furthermore, extensions of the Contract Time may only be permitted by execution of a formal modification to this Contract Agreement in accordance with the General Provisions and as approved by the OWNER.

Article 6 – Liquidated Damages

The CONTRACTOR and OWNER understand and agree that time is of essence for completion of the Work and that the OWNER will suffer additional expense and financial loss if said Work is not completed within the authorized Contract Time. Furthermore, the CONTRACTOR and OWNER recognize and understand the difficulty, delay, and expense in establishing the exact amount of actual financial loss and additional expense. Accordingly, in place of requiring such proof, the CONTRACTOR expressly agrees to pay the OWNER as liquidated damages the non-penal sum of $750 per day for each calendar day required in excess of the authorized
GENERAL NOTES
1. IF DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDUCE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, OR REPRESENT A SIGNIFICANT CHANGE IN MATERIALS OR METHODS OF EXECUTION, OR ARE NOT IN ACCORDANCE WITH THE DRAWINGS AND FIELD CONDITIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY. A WATER SOURCE ON AIRPORT PROPERTY IS NOT AVAILABLE.
2. ALL LAKE GENERATION FROM CLEANSING AND GRUBBING SHALL BE INCOMPLIMENTARY TO THE SITE AND PLAN.
3. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE DRAWINGS AND FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ANY AND ALL TRAFFIC CONTROL DEVICES.
4. THE CONTRACTOR SHALL SUBMIT A SILTED SOURCES LISTING OF ALL WASTE MATERIALS TO BE REMOVED FROM THE AIRPORT PROPERTY AT NO COST TO THE SPONSOR.
5. THE CONTRACTOR SHALL SUBMIT A QUALITY CONTROL PLAN WHICH INCORPORATES THE METHODS AND TERMS OF THE CONTRACT.
6. ALL DAMAGE TO UTILITIES, PAVEMENT, EQUIPMENT, OR STRUCTURES ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, OR REPRESENT A SIGNIFICANT CHANGE IN MATERIALS OR METHODS OF EXECUTION, OR ARE NOT IN ACCORDANCE WITH THE DRAWINGS AND FIELD CONDITIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
7. WHERE NEW DUCT BANKS OR OTHER UTILITIES ARE NEAR THE LOCATION OF EXISTING DUCT BANK, CIRCUITING, UTILITIES AND FIELD LOCATIONS SHOWN ON THESE DRAWINGS IS BASED ON INFORMATION PROVIDED BY THE SPONSOR, THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE CITY, COUNTY, AND ALL UTILITY COMPANIES INVOLVED, WITH THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL NOT BE CONSIDERED THE EXACT LOCATION OF EXISTING DUCT BANK, CIRCUITING, UTILITIES AND FIELD LOCATIONS SHOWN ON THESE DRAWINGS. IT IS FURTHER INTENDED THAT THE CONTRACTOR SHALL KEEP A SET OF AS-BUILT DRAWINGS ON-SITE AND AT NO ADDITIONAL COST TO THE SPONSOR.
8. THE CONTRACTOR SHALL SUBMIT A DETAILED LISTING OF ALL WASTE MATERIALS TO BE REMOVED FROM THE AIRPORT PROPERTY AT NO COST TO THE SPONSOR.
9. THE CONTRACTOR SHALL SUBMIT A DETAILED LISTING OF ALL WASTE MATERIALS TO BE REMOVED OFF SITE AND ALL ASSOCIATED COST SHALL BE INCIDENTAL TO THE PROJECT BID ITEMS.
11. ALL WASTE MATERIALS TO BE REMOVED OFF SITE AND ALL ASSOCIATED COST SHALL BE INCIDENTAL TO THE PROJECT BID ITEMS.
12. THE SPONSOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ANY AND ALL TRAFFIC CONTROL DEVICES.
13. THE CONTRACTOR SHALL SUBMIT A DETAILED LISTING OF ALL WASTE MATERIALS TO BE REMOVED OFF SITE AND ALL ASSOCIATED COST SHALL BE INCIDENTAL TO THE PROJECT BID ITEMS.
14. THE CONTRACTOR SHALL SUBMIT A DETAILED LISTING OF ALL WASTE MATERIALS TO BE REMOVED OFF SITE AND ALL ASSOCIATED COST SHALL BE INCIDENTAL TO THE PROJECT BID ITEMS.
### SUMMARY OF APPROXIMATE QUANTITIES

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM DESCRIPTION</th>
<th>UNITS</th>
<th>SCHEDULE I</th>
<th>SCHEDULE II</th>
<th>SCHEDULE III</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ESTIMATE</td>
<td>AS BUILT</td>
<td>ESTIMATE</td>
</tr>
<tr>
<td>C-105a</td>
<td>Mobilization</td>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>C-102a</td>
<td>Erosion Control Log</td>
<td></td>
<td>850</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>C-102b</td>
<td>Ditch Check</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P-101a</td>
<td>Asphalt Pavement Removal - Full Depth</td>
<td></td>
<td>0</td>
<td>134</td>
<td>0</td>
</tr>
<tr>
<td>P-101b</td>
<td>Asphalt Pavement Removal - Butt Joint</td>
<td></td>
<td>80</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P-151a</td>
<td>Clearing and Grubbing</td>
<td></td>
<td>11.3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P-151b</td>
<td>Tree Topping (Zone 1 and 2)</td>
<td></td>
<td>6.0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P-151c</td>
<td>Tree Topping (Zone 3 and 4)</td>
<td></td>
<td>4.0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P-151d</td>
<td>Tree Topping (Zone 5)</td>
<td></td>
<td>1.3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P-151e</td>
<td>Tree Clearing</td>
<td></td>
<td>0.7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P-603a</td>
<td>Emulsified Asphalt Tack Coat</td>
<td></td>
<td>430</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MO-209a</td>
<td>Crushed Aggregate Base Course</td>
<td></td>
<td>1,550</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MO-401Fa</td>
<td>Bituminous Asphalt Pavement</td>
<td></td>
<td>630</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P-603a</td>
<td>Emulsified Asphalt Tack Coat</td>
<td></td>
<td>430</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MO-903a</td>
<td>Stop Sign, 36 in. (R1-1)</td>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MO-903b</td>
<td>12 GA. Perforated Square Steel Tube Post, 2.5 in., with 7 GA. Post Anchor and Concrete Footing for stop sign</td>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MO-903c</td>
<td>Road Closed, 30 in. x 48 in. (R11-2) with fasteners</td>
<td></td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>MO-903d</td>
<td>Relocate Existing Airport Sign Assembly on two wooden Breakaway Posts</td>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### EARTHWORK NOTES:
1. ADDITIONAL FILL NEEDED TO BE IMPORTED BY CONTRACTOR.
2. FINAL MEASUREMENT WILL NOT BE MADE EXCEPT WHEN APPRECIABLE ERRORS ARE FOUND IN THE ORIGINAL COMPUTATIONS OR AN AUTHORIZED CHANGE IS MADE.

---

**EARTHWORK SUMMARY**

<table>
<thead>
<tr>
<th>AREA DESCRIPTION</th>
<th>CUT (CY)</th>
<th>FILL (CY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREA 1 - NEW ACCESS ROAD</td>
<td>1,048</td>
<td>13,400</td>
</tr>
<tr>
<td>AREA 2 - BORROW SITE (ON AIRPORT)</td>
<td>10,477</td>
<td>8</td>
</tr>
</tbody>
</table>

**SCHEDULE I**

| AREA 1 - NEW ACCESS ROAD | 11,525 | 13,408 |
| AREA 2 - BORROW SITE (ON AIRPORT) | 11,525 | 13,408 |

**PROJECT TOTAL**

| 11,525 | 13,408 |

---

### ACCESS ROAD RELOCATION AND OBSTRUCTION REMOVAL

**SUMMARY OF APPROXIMATE QUANTITIES**

<table>
<thead>
<tr>
<th>SHEET NAME</th>
<th>G005</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHEET NO.</td>
<td>6 of 32</td>
</tr>
<tr>
<td>DESCR.</td>
<td>ACCESS ROAD RELOCATION AND OBSTRUCTION REMOVAL</td>
</tr>
<tr>
<td>ISSUE</td>
<td>01/10/20</td>
</tr>
<tr>
<td>FOR AND ON BEHALF OF: JVIATION, INC.</td>
<td></td>
</tr>
</tbody>
</table>

---

**EARTHWORK CALCULATIONS DETAIL (EMBANKMENT):**

- **TOTAL EXCAVATION (NO PAY)**
- **TOTAL EMBANKMENT (PAY)**

**NOTE:** *Topsoil paid as Embankment; no separate pay item.*
**Project Schedule**

<table>
<thead>
<tr>
<th>Schedule / Phase</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schedule I - Phase 1, 1A</td>
<td>115 Calendar Days</td>
</tr>
<tr>
<td>Schedule I - Phase 1, 1A</td>
<td>115 Calendar Days</td>
</tr>
<tr>
<td>Schedule II - Phase II, 2A</td>
<td>70 Calendar Days</td>
</tr>
<tr>
<td>Schedule III - Phase II</td>
<td>7 Calendar Days</td>
</tr>
</tbody>
</table>

**Construction Safety Drawing**

**Traffic Cone & Light Notes**

1. **INSTALL TO DELINEATE CLOSED AREAS ON AIRPORT AS REQUIRED BY ENGINEER.**
2. **INSTALL 4’ ON CENTER.**
3. **CHECK AND MAINTAIN LIGHTS DAILY.**

**Permit to Work on MoDOT Right-Of-Way**

The Contractor shall apply for a MoDOT highway permit to work on Hwy. The contractor must have this permit approved prior to starting work inside highway 8 ROW.

Note: *Timeline accounts for any winter shutdown, no additional time will be given if winter shutdown is necessary.*

- No work will be allowed before January 15, 2020.
- Cleaning and topping trees for schedule I must be completed before March 1, 2020 or between November 1, 2020 and December 31, 2020.
- Schedule II may start right after completion of schedule I.
OBSTRUCTION REMOVAL FOR AND ON BEHALF OF JVIATION, INC.

**Schedule II**

10:42 AM by Laura Riegel

L:\8WC\18-01 Access Road\CAD\PLANS\000-8WC-19-060A-1-G052-PHAS.dwg

**Exceptions:**

UNAFFECTED DURING THIS SCHEDULE WITH THE FOLLOWING DURATION

**Note:** Contractor to follow Phase 1A Traffic Control Schedule II - Work to be performed Monday - Friday 8 AM to 5 PM.

**Schedule I - 24 Hour Access to Approved Work Areas**

**Schedule I Access Road Relocation**

**Transportation Notes**

**HAUL ROADS / STAGING AREAS**

1. The contractor shall keep all construction traffic limited to the approved haul routes as shown on the plans or approved by the engineer. The contractor shall keep all construction traffic limited to the approved haul routes or construction access routes to the project.

2. Contractor shall ensure all trucks and vehicles maintain safe and appropriate speeds and accelerate only as needed.

3. Contractor shall provide all equipment and vehicles with high visibility markings and adequate lighting to allow traffic to be clearly visible to travel safely.

4. Contractor shall ensure all trucks and vehicles are properly maintained and do not pose a risk to traffic.

5. Contractor shall ensure all trucks and vehicles are equipped with adequate safety equipment such as flashing lights and warning devices.

**Liquidated Damages**

1. Liquidated damages shall be computed upon the contractor's failure to complete project within the time periods specified in the contract documents.

2. Liquidated damages shall be computed upon the contractor's failure to complete project within the time periods specified in the contract documents.

**Construction Phasing Notes**

**Foreign Object Debris (FOD) Control**

1. The contractor shall have a barrier on site at all times to separate debris from vehicular traffic. Debris will be removed to a location away from the construction site.

2. The contractor shall use appropriate barriers and barricades at all active pavement crossings.

**HAUL ROADS / STAGING AREAS**

1. The contractor shall keep all construction traffic limited to the approved haul routes as shown on the plans or approved by the engineer. The contractor shall keep all construction traffic limited to the approved haul routes or construction access routes to the project.

2. Contractor shall provide all equipment and vehicles with high visibility markings and adequate lighting to allow traffic to be clearly visible to travel safely.

3. Contractor shall ensure all trucks and vehicles are properly maintained and do not pose a risk to traffic.

4. Contractor shall ensure all trucks and vehicles are equipped with adequate safety equipment such as flashing lights and warning devices.

**Impact on Operations**

1. The contractor shall make sure all construction traffic is limited to the approved haul routes as shown on the plans or approved by the engineer. The contractor shall keep all construction traffic limited to the approved haul routes or construction access routes to the project.

2. Contractor shall ensure all trucks and vehicles maintain safe and appropriate speeds and accelerate only as needed.

3. Contractor shall provide all equipment and vehicles with high visibility markings and adequate lighting to allow traffic to be clearly visible to travel safely.

4. Contractor shall ensure all trucks and vehicles are properly maintained and do not pose a risk to traffic.

5. Contractor shall ensure all trucks and vehicles are equipped with adequate safety equipment such as flashing lights and warning devices.

6. Contractor shall have a barrier on site at all times to separate debris from vehicular traffic. Debris will be removed to a location away from the construction site.

7. The contractor shall use appropriate barriers and barricades at all active pavement crossings.

**Miscellaneous**

1. For all right of way, contractor shall provide sufficient lighting to ensure the work area and haul routes to the approval of the engineer.

2. Contractor activities shall include excavation and minor earthwork, which is at the discretion of the contractor. However, the engineer reserves the right to determine the work that may be performed.

3. Contractor activities are subject to change. Contractor shall not proceed with construction work without prior written approval from the engineer.

4. Contractor shall ensure all equipment and vehicles are properly maintained and do not pose a risk to traffic.

5. Contractor shall ensure all equipment and vehicles are equipped with adequate safety equipment such as flashing lights and warning devices.

6. Contractor shall have a barrier on site at all times to separate debris from vehicular traffic. Debris will be removed to a location away from the construction site.

7. The contractor shall use appropriate barriers and barricades at all active pavement crossings.

**Construction Restrictions**

1. The contractor shall not have access to the airport operations area unless during construction except as shown on the phasing plan.

2. Construction barriers shall be installed per phasing plans and as approved by the engineer. The contractor shall follow all local and/or state requirements and shall be approved by the engineer.

3. Contractor shall construct the vehicle traffic safety fence as shown on the phasing plans.

4. Contractor shall construct the vehicle safety fence as shown on the phasing plans. Contractor shall maintain emergency access to the airport at all times.

5. Contractor shall maintain emergency access to the airport at all times.

6. Contractor shall provide the proper lighting, signage, and markings at the access points.

7. Contractor shall provide adequate signage and markings at all active pavement crossings.

8. Contractor shall maintain emergency access to the airport at all times.

9. Contractor shall provide proper lighting, signage, and markings at all active pavement crossings.

10. Contractor shall maintain emergency access to the airport at all times.

**Notes**

11. For all right of way, contractor shall provide sufficient lighting to ensure the work area and haul routes to the approval of the engineer.

12. Contractor activities shall include excavation and minor earthwork, which is at the discretion of the contractor. However, the engineer reserves the right to determine the work that may be performed.

13. Contractor activities are subject to change. Contractor shall not proceed with construction work without prior written approval from the engineer.

14. Contractor shall ensure all equipment and vehicles are properly maintained and do not pose a risk to traffic.

15. Contractor shall ensure all equipment and vehicles are equipped with adequate safety equipment such as flashing lights and warning devices.

16. Contractor shall have a barrier on site at all times to separate debris from vehicular traffic. Debris will be removed to a location away from the construction site.

17. The contractor shall use appropriate barriers and barricades at all active pavement crossings.

18. Contractor shall maintain emergency access to the airport at all times.

19. Contractor shall provide the proper lighting, signage, and markings at the access points.

20. Contractor shall provide adequate signage and markings at all active pavement crossings.

21. Contractor shall maintain emergency access to the airport at all times.

22. Contractor shall provide proper lighting, signage, and markings at all active pavement crossings.

23. Contractor shall maintain emergency access to the airport at all times.

24. Contractor shall provide the proper lighting, signage, and markings at the access points.

25. Contractor shall provide adequate signage and markings at all active pavement crossings.

26. Contractor shall maintain emergency access to the airport at all times.

27. Contractor shall provide proper lighting, signage, and markings at all active pavement crossings.

28. Contractor shall maintain emergency access to the airport at all times.

29. Contractor shall provide the proper lighting, signage, and markings at the access points.

30. Contractor shall provide adequate signage and markings at all active pavement crossings.

31. Contractor shall maintain emergency access to the airport at all times.

32. Contractor shall provide proper lighting, signage, and markings at all active pavement crossings.

33. Contractor shall maintain emergency access to the airport at all times.

34. Contractor shall provide the proper lighting, signage, and markings at the access points.

35. Contractor shall provide adequate signage and markings at all active pavement crossings.

36. Contractor shall maintain emergency access to the airport at all times.

37. Contractor shall provide proper lighting, signage, and markings at all active pavement crossings.

38. Contractor shall maintain emergency access to the airport at all times.

39. Contractor shall provide the proper lighting, signage, and markings at the access points.

40. Contractor shall provide adequate signage and markings at all active pavement crossings.

41. Contractor shall maintain emergency access to the airport at all times.
CONSTRUCTION PHASING NOTES

TRAFFIC CONTROL
1. The Contractor shall provide a Traffic Control Plan and Work Plan for the Project.
2. Traffic Control Plans shall be in accordance with any local, state, or federal traffic requirements and shall be approved by the Engineer.
3. The Contractor shall provide all traffic control signs, lights, barricades, or other devices to control traffic as required by the Engineer.

FOREIGN OBJECT DEBRIS (FOD) CONTROL
1. The Contractor shall have a Reader on site at all times to remove any debris from the project area.
2. The Contractor shall provide Reading Glasses and Reading Aids at all active reading locations.

LIQUIDATED DAMAGES
1. Any damages incurred by the Contractor for failure to complete the Project may be assessed liquidated damages.

HAUL ROADS / STAGING AREAS
1. The Contractor shall prepare all construction traffic limited to the approved haul routes as shown on the Plans and as approved by the Engineer.
2. The Contractor shall prepare all construction access routes to the Project site.
3. The Contractor shall prepare all equipment, vehicles, and operations for construction access routes to the Project site.
4. The Contractor shall install Traffic Control Devices as required by the Engineer.

IMPACTS ON OPERATIONS
1. All airport operations areas shall remain open and unaffected to the maximum extent possible during this project.
2. The Contractor shall limit right of way to all aircraft and any vehicles at all times.
3. The Contractor shall maintain airport access to all areas.

CONSTRUCTION RESTRICTIONS
1. The Contractor shall not have access to the airport operations areas (POL) during Phase 2 construction.
2. Construction operations shall not be installed on ramps and aprons or as required by AC 150/5370-2G or AC 97/5370-2G or AC 91/5370-2G or AC 150/5305-1C.
3. The Contractor shall keep all construction traffic and vehicles on approved haul roads.
4. The Contractor shall have a sweeper on site at all times to keep the area free of debris.
5. The Contractor shall install Traffic Control Devices as required by the Engineer.

MISCELLANEOUS
1. For all airport work, the Contractor shall provide sufficient lighting to illuminate the work areas and haul roads to the approval of the Engineer.
2. The Contractor shall provide sufficient lighting to illuminate the work areas and haul roads to the approval of the Engineer.
3. The Contractor shall provide sufficient lighting to illuminate the work areas and haul roads to the approval of the Engineer.

CONSTRUCTION SAFETY DRAWING PHASE 2

ISSUED FOR BID

PHASE LEGEND
CONTRACTOR MAIL ROUTE
RUNWAY OBJECT FREE AREA
TAXIWAY OBJECT FREE AREA
RUNWAY PROTECTION ZONE
FLASHING BARRCADES
CONTRACTOR STAGING AREA (LIGHT RESTRICTION)
PROJECT MAIL ROUTE
TAXIWAY MAIL ROUTE
PLANNED ROADWAY
EXISTING ROADWAY
POSSIBLE ON-SITE BORROW AREA
TYPE 3 MEASURABLE RIMICRO AREA (MINIMUM LIMITS AND MAXIMUM LIMITS AS AFFECTED BY GP-105 MOBILIZATION)
TURF PROTECTION ZONE
ROAD CLOSED SIGN - SEE ISSUE RECORD
COMMENTS
CONTRACTOR STAGING AREA
SIGN INSTALLATION
INSTRUCTIONS FOR USE OF PHASE 2 PHASING LEGEND
1. Site Preparation
2. Site Stabilization
3. Statutes, Signs, and Markers
4. Road Closed Signs
5. Runway Access/Barriers
6. Major Work To Be Completed
7. Erosion Control Measure Removal
8. Sign Installation
9. Delineation of a Stray Airmen/Walkie Talkie Point
10. Implied Access/Barriers
11. Site Reclamation
12. Site Reclamation
13. Excavation Control Measures Reinstallation
14. Excavation Control Measures Reinstallation
15. Haul Roads / Staging Areas
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**CONSTRUCTION PHASING NOTES**

**TRAFFIC CONTROL**

1. The Contractor shall provide a traffic control plan and work plan for the project.
2. Traffic control plans shall be in accordance with any local and/or state traffic control requirements.
3. The Contractor shall provide all rigid traffic control devices in accordance with Missouri State Highway Patrol requirements.
4. The Contractor shall provide the following traffic control devices:
   - Road blocks
   - Lane shifts
   - Signage

**HAUL ROADS / STAGING AREAS**

1. The Contractor shall ensure that all construction activities are coordinated with existing haul roads and construction access routes to the project site.
2. The Contractor shall provide all equipment and vehicles used in construction activities.
3. The Contractor shall maintain haul roads and construction access routes.
4. The Contractor shall ensure that construction activities are conducted in accordance with the approved traffic plan.

**HAUL ROADS / STAGING AREAS**

1. The Contractor shall provide all equipment and vehicles used in construction activities.
2. The Contractor shall maintain haul roads and construction access routes.
3. The Contractor shall ensure that construction activities are conducted in accordance with the approved traffic plan.

**FOREIGN OBJECT DEBRIS (FOD) CONTROL**

1. The Contractor shall have a debris plan at all times to ensure the area is clear of debris.
2. The Contractor shall have a debris prevention plan.

**LIQUIDATED DAMAGES**

1. Liquidated damages caused by the Contractor shall be deducted from the contract sum.
2. Liquidated damages shall be calculated based on the contract sum and the liquidated damages rate.

**MISCELLANEOUS**

1. For all night work, the Contractor shall provide proper lighting to ensure the work area is adequately illuminated.
2. The Contractor shall ensure that all work is conducted in accordance with the approved traffic plan.

**CONSTRUCTION RESTRICTIONS**

1. The Contractor shall not have access to the Airport Operations Area (AOA) during Phase 2 construction.
2. Construction activities shall be coordinated with the Airport Operations Department and shall include the execution of FAA-approved construction plans.
3. The Contractor shall operate in accordance with all applicable regulations and guidelines.

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**Schedule B: Phase 2**

**Major Work to be Completed**

- Site Preparation
  - Excavation, Measures
  - Removal of fill or pavement
- Site Reclamation
  - Sheet metal fence
  - Erosion control measures

**Notes**

- Traffic control plans shall be in accordance with any local and/or state traffic control requirements.
- The Contractor shall provide all rigid traffic control devices in accordance with Missouri State Highway Patrol requirements.
- The Contractor shall provide the following traffic control devices:
  - Road blocks
  - Lane shifts
  - Signage

**Construction Safety Drawing Phase 2**

Access Road Location and Obstruction Removal

** predominance of equipment that may require temporary closure per Phase 2 requirements.**

**MoDOT Proje No. 2018.8WC.02**

**Issued for Bid**

**Phase 2**

**ADDENDUM NO. 1**

**Plotted January 10, 2020 11:01 AM by Laura Riegel**

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**GRAPHIC SCALE**

- **75** 14 of 150
- **(IN FEET)**

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**PHASE LEGEND**

- **CONTRACTOR HAUL ROUTE**
- **RUNWAY OBJECT FREE AREA**
- **TAXIWAY OBJECT FREE AREA**
- **FLAKEY MPN**
- **CONTRACTOR STAGING AREA (24 HOUR WORK RESTRICTION)**
- **EXCLUDED FROM CONSTRUCTION AREA**
- **TYPE 3 MOVABLE BARRICADE**
- **MISCELLANEOUS**

---

**ISSUED FOR BID**

For and on behalf of Javiation, Inc.
Meeting Agenda/Minutes

Pre-Bid Conference
MoDOT Project No. 19-060A-1
Date: Wednesday, January 8, 2020, 1:00 P.M.
Location: Washington County Airport

1. **RECORDING OF ATTENDEES**
   A. Recording of attendees, firm represented, address and phone number.
   B. Attendance list will be included as a project addendum.

2. **INTRODUCTIONS & PROJECT DESCRIPTION**
   A. Airport Representatives
      Sam Rhodes, Airport Board Chairman
      Daniel Wilson, Airport Manager
   B. Airport Engineering – Jviation, Inc.
      Joe Pestka, Sr. Program Manager
      Mark Lovato, Project Engineer
      Laura Riegel, Engineer in Training
   C. Project Schedules
      Schedule I: Access Road Relocation
      Schedule II: Obstruction Removal
      Schedule III: Existing Access Removal
   D. Major Work Items:

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**SCHEDULE II ALTERNATE**

**P-151e** TREE CLEARING | AC | 0 | 12 | 0 |

- **Full 10H Federal Aviation Administration (FAA) and MoDOT Highway Specifications.**
  There are some differences from the 10G.

3. **BID OPENING DATE & TIME**
   A. **Date:** Friday, January 17, 2020 at 10:30 A.M. (Local Time)
   
   B. **Mailed to:** Washington County  
   ATTN: Jeanette Allen  
   102 N. Missouri Street  
   Potosi, MO, 63664

   C. **Opened at:** Washington County  
   102 N. Missouri Street  
   Potosi, MO, 63664
D. Bid security:  5% of bid amount – Section 1-2, Bid Security and Section 2-1, Item 4.

E. Bid proposal:  Section B (print, fill out, and submit Section B-1 thru B-21 pages).
   Make sure to fill out bid proposal forms correctly and include all requested attachments. Make
   sure to attach the E-verify and check mark the boxes on page B-7.

4. DBE GOALS
   A. **10.0%** of Contract Amount. 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
      Make sure to meet the DBE goal. Keep any DBE correspondence/documentation to show Good
      Faith Effort. At the end of the project it will be evaluated by MoDOT ECR to make sure it was
      met.

5. QUALIFICATION OF BIDDERS
   A. Qualifications shall be furnished per Section 20-02 of the General Provisions and as stated in paragraph
      2 of Section 2, Instructions to Bidders. Each bidder shall furnish the Owner satisfactory evidence of
      his or her competency and financial responsibility to perform the proposed work. This includes
      resumes of key personnel, equipment list and a list detailing experience on similar construction projects.

6. CRITICAL CONTRACT DATES
   A. Contract Award: Spring 2020
      a. The signature of the bidder on the proposal form indicates that within thirty (30) calendar
         days from acceptance of its bid offer it will execute a contract with the Owner and, if
         indicated in this solicitation, furnish a project specific Certificate of Insurance naming the
         Owner as Additional Insured, furnish Performance and Payment Bonds and any other
         documents required by the Contract Documents.
   B. Notice to Proceed: Spring 2020
   C. **Clearing and topping trees for Schedule II must be completed before March 31, 2020.** Any
      Schedule II work that is within the 60 calendar days and not completed before March 31st must
      continue work after November 1, 2020.
   D. Project Time: 142 Calendar Days 135 calendar days for Schedule I, 60 calendar days for Schedule
      II, and 7 calendar days for Schedule III. Refer to Section 80-08 for more information.

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

8. INSURANCE REQUIREMENTS
   Refer to Section 4, Part C Local Provisions, Item 10 Insurance.
   A. The Contractor shall pay for and maintain during the life of this contract adequate
      Workmen's Compensation, Public Liability and Property Damage Insurance. The
      Contractor is charged with the responsibility for adequate and proper coverage for all his
      subcontract operations. Contractor shall furnish to the Sponsor satisfactory proof of
      carriage of the insurance required.

9. FEDERAL WAGE RATES (DAVIS BACON ACT)
A. Federal and state wage rates are required for this project. Refer to Section 4, Part D Federal and State Wage Rates.
   The Federal wage rate has changed and will be attached in the addendum.

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

11. LIQUIDATED DAMAGES
Section 80-08 and Section 4, Part C, Local Provisions, Item 17.
As compensation for non-use, the Contractor shall be assessed a liquidated damage of $750/Calendar Day over the completion date for each day that the work remains uncompleted beyond the contract period. As compensation for expenses incurred for unscheduled employment of the Engineer, up to $1,400/Day for the construction manager plus any incurred expenses (per diem, lodging, etc.) may be charged to the Contractor for that time which exceeds the completion date. The Engineer will likely only be on site for part time inspection, so it is not anticipated that the Contractor would be charged for every day. Further, each phase of work under the project has additional liquidated damage clauses, as outlined in Section 80-08 FAILURE TO COMPLETE ON TIME.

Section 80-08 FAILURE TO COMPLETE ON TIME.

<table>
<thead>
<tr>
<th>SCHEDULE</th>
<th>LIQUIDATED DAMAGES COST</th>
<th>ALLOWED CONSTRUCTION TIME</th>
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<tbody>
<tr>
<td>Schedule I</td>
<td>$750 / Calendar Day(s)</td>
<td>135 Calendar Days</td>
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<tr>
<td>Schedule II</td>
<td>$750 / Calendar Day(s)</td>
<td>60 Calendar Days*</td>
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<td>Schedule III</td>
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*Clearing and topping trees for Schedule II must be completed before March 31, 2020 or between November 1, 2020 and December 31, 2020.

Construction for must be completed within 142 calendar days.
This section has changed from what is in the contract documents and will be updated in the addendum.

12. PROJECT PHASING
A. Schedule I, Phase 1 & 1A – 135 Calendar Days
B. Schedule II, Phase 1 & 1A – 60 Calendar Days concurrent with Schedule I
C. Schedule III, Phase 2 – 7 Calendar days to start after the completion of Schedule I

13. MISCELLANEOUS
A. Airport Security - Contractor is required to monitor radios during construction. Radios for the project to be provided by Contractor.
B. Review Construction Layout and Safety Drawings G050 thru G054 – note the Staging Area.
C. Contractor shall stay within project boundaries.
D. The Contractor must have an approved MoDOT highway permit prior to starting work inside Highway 8 Right-of-Way. Jviation will provide a contact once the project is awarded.
E. Contractor’s Quality Control Program - Refer to Section 100 (Section 3-51), and Section 4, Part C, Local Provisions, Item 5.
F. Acceptance Testing shall be the responsibility of the Engineer - Refer to Section 4, Part C, Local Provisions, Item 18.

G. Survey requirements – Refer to Section 50-06 of General Provisions; Section 4, Part C, Local Provisions, Item 19.


I. Haul Route- the Contractor shall be responsible for any damage to existing facilities or roads regardless of legal load. Repairs shall be made at no additional cost to the sponsor. Haul route is shown on the phasing sheet. Refer to Section 4, Part C, Local Provisions, Item 1.

J. Questions will be taken via written format to Jviation, Inc. until Monday, January 13, 2020 4:00 p.m. (CST). E-mail comments will be accepted to laura.riegel@jviation.com. However, detailed questions should be submitted as early as possible or they may not be answered in time to make it into the final addendum.

-After the project is awarded, submittals will have to be reviewed promptly.

-The Airport Manager will be responsible to submit any NOTAM’s for the project.

14. ADDENDUM UPDATE

-Federal Wage Rates have changed, the updated wage rate will be in an addendum.

-Project completion within 142 calendar days, The project shall be completed within 135 calendar days for Schedule I, 60 calendar days for Schedule II (which may be concurrent with Schedule I), and 7 calendar days for Schedule III, not completion date of June 5, 2020.

-The quantities in section 1-2 of the Contract Documents will be updated and attached in the addendum.

-Pre-bid meeting minutes and attendance will be distributed as an addendum. Any further addendums, including question responses would be issued no later than Tuesday, January 14, 2020 at 4:00 p.m.

The plan holders list will be attached in the agenda and is also available on the bid site.

Make sure to check the Jviation bid site for Addenda.

15. QUESTIONS/ANSWERS

16. PROJECT SITE TOUR

The landowner to the northwest of the runway end has requested that no damage be made to the vinyl fence when removing those trees along the fence.

As long as trees are cut down by March 31, 2020, additional work to haul the trees off-site may be made after March 31st.
### Pre-Bid Meeting Sign In

**Meeting Date / Location:** January 8, 2020/Washington County Airport  
**Project Name:** Schedule I: Access Road Relocation  
Schedule II: Obstruction Removal  
Schedule III: Existing Access Removal  
**MoDOT Project #:** 19-060A-1

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<th>Name</th>
<th>Company</th>
<th>Telephone No.</th>
<th>E-mail</th>
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<tr>
<td>Laura Riegel</td>
<td>JViation, Inc</td>
<td>573-658-9477</td>
<td><a href="mailto:laura.riegel@jviation.com">laura.riegel@jviation.com</a></td>
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<tr>
<td>Joe Pestka</td>
<td>JViation, Inc</td>
<td>573-658-9475</td>
<td><a href="mailto:joe.pestka@jviation.com">joe.pestka@jviation.com</a></td>
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<tr>
<td>Mark Lovato</td>
<td>JViation, Inc</td>
<td>303-524-3034</td>
<td><a href="mailto:mark.lovato@jviation.com">mark.lovato@jviation.com</a></td>
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<tr>
<td>Kirk McElrath</td>
<td>Airport Board Member</td>
<td>573-780-4544</td>
<td><a href="mailto:kmcelrath@yahoo.com">kmcelrath@yahoo.com</a></td>
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<tr>
<td>Danny Wilson</td>
<td>Wash. Co. Airport</td>
<td>573-438-6196</td>
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<tr>
<td>1</td>
<td>Jviation, Inc.</td>
<td>Mark Lovato</td>
<td>800 S. Broadway, Ste. 350</td>
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<tr>
<td>2</td>
<td>Jviation, Inc.</td>
<td>Joe Pestka</td>
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