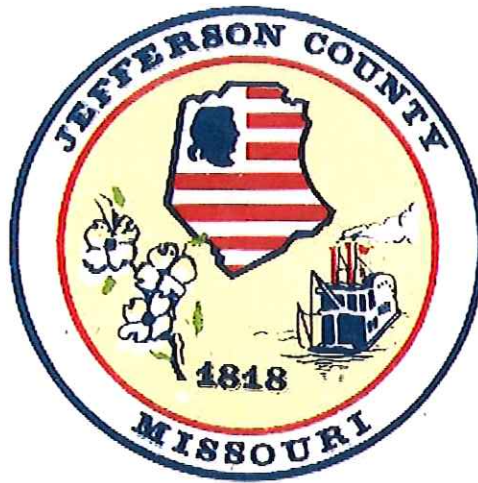


**PROJECT SPECIFICATIONS FOR:**  
**OLD STATE ROUTE 21 AT EAST / WEST FOUR**  
**RIDGE ROAD INTERSECTION IMPROVEMENTS**  
**STP-5462 (608)**



*Jefferson County, Missouri*

Dennis Gannon  
County Executive

**DEPARTMENT OF PUBLIC WORKS**  
**Jason Jonas, P.E. – Director**

P.O. BOX 100  
HILLSBORO, MO 63050

Telephone: 636-797-5340  
Fax: 636-797-5565  
Web Address: [www.jeffcomo.org](http://www.jeffcomo.org)

September 24th, 2019



**APPROVED FOR CONSTRUCTION**

BY: [Signature] DATE: 8-28-19  
(County Engineer)



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## BID NOTICE

Sealed bids for **OLD STATE ROUTE 21 AT EAST / WEST FOUR RIDGE ROAD INTERSECTION IMPROVEMENTS STP-5462 (608)** will be received at the office of The Department of the County Clerk, Jefferson County Administration Center, 729 Maple Street, Hillsboro, Missouri until 2:00 o'clock P.M. (CDT) on **September 24th, 2019**, and at that time will be publicly opened and read. All bids shall be submitted in triplicate in an opaque sealed envelope, marked with the Project title, name and address of the Bidder, and accompanied by the other required documents. Bids submitted via fax or electronically will be rejected. Late Bids will not be accepted and will be returned to the sender, unopened.

A **Pre-Bid Conference** will be held on **THURSDAY, SEPTEMBER 12TH, 2019, at 1:00 PM**, to address questions and concerns regarding the bid specifications and bid documents, and view the site if necessary. Attendance at the pre-bid conference is strongly encourage but not mandatory. Meeting Place: 2<sup>nd</sup> Floor Training Conference Room #206, Jefferson County Annex Building, 725 Maple Street, Hillsboro, MO.

The proposed work includes:

Reconstructing (0.34 Miles of roadway) - 0.18 Miles on Old State Route 21, and 0.16 miles on East and West Four Ridge Road. Right turn / acceleration lanes will be added to the intersection of East and West Four Ridge Road while also providing a new horizontal and vertical alignment. Old State Route 21 will be milled 3-1/2", have multiple concrete base repairs, pavement widening, and constructing A2 Shoulders. Additional improvements include but are not limited to: large and small block MSE retaining walls, 40,000 CY of unclassified excavation, drainage piping and structures, guardrail, bituminous pavement, and striping.

Work shall be in accordance with the provided Specifications, and Job Special Provisions. Where not specifically covered by the Specifications, or Job Special Provisions, the Contractor shall adhere to the **2018** Edition of the "Missouri Standard Specifications for Highway Construction", and all supplemental revisions.

Plans and specifications for this project will be available, at no cost, as a downloadable file from the Jefferson County website (<http://www.jeffcomo.org/PublicWorksProjects.aspx?nodeID=Purchasing>), beginning Friday, August 30th, 2019. The bidder will be responsible to check the County's website for addendum(s) regarding this project prior to bid opening. All potential bidders must complete the "Plan Holder Contact Information" form and submit this form to Public Works at [pwprojects@jeffcomo.org](mailto:pwprojects@jeffcomo.org) and request placement on the bidder's list.

All labor used in the construction of this public improvement shall be paid a wage no less than the prevailing hourly rate of wages of work of a similar character in this locality as established by the Department of Labor and Industrial Relations (Federal Wage Rate), or state wage rate, whichever is higher.

Jefferson County, Missouri hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.

All bidders must be on MoDOT's Qualified Contractor List per Section 102.2 of the Missouri Standard Specifications for Highway Construction, **2018** Edition including all revisions. **The contractor questionnaire must be on file 7 days prior to bid opening.**

Contractors and sub-contractors who sign a contract to work on public works project must provide a 10-Hour OSHA construction safety program, or similar program approved by the Department of Labor and Industrial Relations, to be completed by their on-site employees within sixty (60) days of beginning work on the construction project.

A certified or cashier's check or a bid bond in the amount of 5% shall be submitted with each proposal. **A certificate of insurance shall be submitted with each proposal.**

All bids shall be made on the forms provided. The Jefferson County, Missouri reserves the right to reject any or all bids, to waive any informality in the bids received, and to award the contract to the lowest, responsive, responsible bidder with MoDot concurrence.

The DBE Goal for this project is **14%**. On the Job Training Requirements is 0 hours as trainee goal.

No 2<sup>nd</sup> tier subcontracting will be allowed on this project.

## BID SUBMITTAL PACKAGE



### JEFFERSON COUNTY, MISSOURI DEPARTMENT OF PUBLIC WORKS

**PROJECT NAME: OLD STATE ROUTE 21 AT EAST / WEST FOUR RIDGE  
ROAD INTERSECTION IMPROVEMENTS**

**PROJECT NUMBER: STP-5462 (608)**

**BID OPENING DATE: September 24th, 2019 @ 2:00 o'clock P.M. (CDT)**

Funding Source: Federal Highway Administration Surface Transportation Project (STP)

County Project Manager: J.R. Hamilton (636)797-6126 [jhamilton@jeffcomo.org](mailto:jhamilton@jeffcomo.org)

**BIDDER'S NAME:** \_\_\_\_\_

**IN ORDER TO BE CONSIDERED A RESPONSIVE, RESPONSIBLE BIDDER, THE CONTRACTOR MUST READ, UNDERSTAND, COMPLETE AND SUBMIT 3 COPIES OF ALL FORMS WITHIN THIS BID SUBMITTAL PACKAGE (INCLUDING THIS COVER AND ALL SHEETS WITH THE BID SUBMITTAL BORDER), ALONG WITH OTHER SUBMITTAL REQUIREMENTS AS STATED ON THE BIDDER CHECKLIST.**

The County does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete Bidding Documents.

## PLAN HOLDER CONTACT INFORMATION

All potential bidders **must** complete this form and submit it to the Jefferson County email address listed below in order to provide contact information as required. All other plan holders may submit this form at their own option. Addendums will be posted on the county website. In the event of disruption of website services, all such information will be communicated to all registered plan holders.

	OLD STATE ROUTE 21 AT EAST / WEST FOUR RIDGE ROAD
Project:	<b>\$0.00 AVAILABLE ONLINE</b>
Plans & Specifications:	September 24th, 2019
Bid Opening Date:	\$2,432,500.00
Estimate:	

Company Name*:	
Contact Name*:	
Address*:	
Phone*:	
Email*:	

\*required information

Email this  
completed form to:

[pwprojects@jeffcomo.org](mailto:pwprojects@jeffcomo.org)

## BIDDER CHECKLIST

- ☐ 1. 3 collated copies of all of the following documents encompass a complete bid submittal
  - a) Complete and Submit Plan Holder's List Form prior to bid submittal (email before bid opening)
  - b) Bid Submittal Cover Sheet with bidder's name printed or typed
  - c) Instructions and Notices to Contractors initialed on each page, all spaces filled, signed.
  - d) Balanced, complete, signed, and embossed (if corporation) Bid Form, **addenda acknowledged and 1<sup>st</sup> sheet attached**
  - e) Bid Guaranty/Bid Bond (Assurance Company's form is valid substitute to generic form herein)
  - f) Bidder's Acknowledgement completed and signed
  - g) Affidavit of Federal Employment Authorization (Annual Worker Eligibility Verification Affidavit)
  - h) Bid to be submitted in ink with proper signatures with no white out or initialed changes
  - i) Enclose Certificate of Insurance
  - j) Disadvantaged Business Enterprise (DBE) Identification (within 3 days of bid opening)
  - k) Certification Regarding Anti-collusion (see notice 12)
  - l) Certification Regarding Use of Contract Funds for Lobbying (see notice 12)
  - m) Certification Regarding Debarment and Suspension (see notice 12)
  - n) Certification Regarding Affirmative Action and Equal Opportunity (see notice 12)
- ☐ 2. Submit completed Contractor Questionnaire and/or Contractor Prequalification Questionnaire with attachments not later than seven (7) days prior to the date and hour of the bid opening. See Secs 101-103 of the Standard Specifications, and Rule 7 CSR 10-15.900, "Prequalification to Bid of Certain Contractors". Questionnaire and Contact information are provided on MoDOT's website (required on highway and bridge projects)
- ☐ 3. For submittal of paper bids, the complete set of bidding documents includes all information through the DBE form. The Technical Specifications/Job Special Provisions are for the bidder's information only and is not to be returned with the bid.
- ☐ 4. If submitting the bid by mail, it is to be completed, executed, and submitted in a sealed envelope addressed to Jefferson County, Missouri. **Provide the vendor name, vendor address, vendor number, county, route and federal project number on the outside of the envelope (if applicable).**
- ☐ 5. Please read all items in the bidding document carefully. For paper bids, complete all items in **ink** or by **typing** in the information.
- ☐ 6. Sign this bidding document properly. If submitted in the name of a firm or corporation, the legal name of the firm or corporation should appear in the space designated, and be signed for by one or more persons legally qualified to execute papers in the name of said firm or corporation. Affix Corporate Seal if the Bidder is a Corporation.
- ☐ 7. For paper bids, submit a bid bond executed and sealed by bidder and surety, or attach cashier's check to the bid bond form.
- ☐ 8. For paper bids, staple addenda (if applicable) to the bid in the appropriate part of the bid. The letter accompanying the addenda should be stapled to the inside of the back cover of the bid and returned. The bidder should retain a duplicate copy.
- ☐ 9. Common Mistakes:
  - a) Not signing the bid
  - b) Not incorporating the addendum into the bidding documents, including attaching the letter to the bid
  - c) Not providing a bid bond
  - d) Using a different bid bond form than the one provided
  - e) Using pencil to fill out the bid
  - f) Using white out to make corrections to the itemized bid sheets
  - g) Not initialing changes made
  - h) Not including Certificate of Insurance

All questions concerning the bid document preparation can be directed to the Jefferson County Department of Public Works at 636-797-6126. Project specific questions can be directed to J.R. Hamilton.

**Special Needs:** If you have special needs addressed by the Americans with Disabilities Act, please notify Jefferson County Department of Public Works, at 636-797-5340 or through Missouri Relay System, TDD 1-800-735-2966, at least five (5) working days prior to the bid opening.

# INSTRUCTIONS AND NOTICES TO CONTRACTORS

## BIDDER SHALL INITIAL EACH SHEET ACKNOWLEDGING UNDERSTANDING AND ACCEPTANCE

Sealed bids for the proposed work will be addressed and delivered to the office of The County Clerk, 729 Maple Street, Jefferson County Administration Center, Hillsboro, Missouri until 2:00 o'clock P.M. (CDT) on September 24th, 2019, and at that time will be publicly opened. All bids shall be submitted in triplicate in an opaque sealed envelope, marked with the Project title, name and address of the Bidder, and accompanied by the other required documents. Bids submitted via fax or electronically will be rejected. Late Bids will not be accepted and will be returned to the sender, unopened.

This project has Federal Funding so the following terms apply:

- The prime contractor must be on MoDOT's approved contractor listing at least 7 days before the day of the bid opening in order for MoDOT to concur with the award of this project.
- Only work performed by DBE subcontractors that appear on MoDOT's approved listing at the time of the bid opening will be applied towards calculating the DBE Goal.
- All prospective bidders shall read and have an understanding of the DBE Contract Provisions. The low bidder and the second low bidder shall submit the DBE Submittal forms within three working days after the letting date. Failure to do so may be cause for rejection of the bid. No extension of time will be allowed for any reason and failure to deliver the completed DBE Submittal forms by 4:00 p.m. on the third working day after the letting will be cause for rejection of the low bid and the proposed guaranty will become the property of the Owner.
- MoDOT will only concur with awarding the contract to a responsible bidder who has submitted the lowest, responsive bid. A responsive bid is one that meets all requirements of the advertisement and proposal, and "responsible" is defined as one who is physically organized and equipped with the financial wherewithal to undertake and complete the contract.

**(1) PROPOSED WORK:**

Reconstructing (0.34 Miles of roadway) - 0.18 Miles on Old State Route 21, and 0.16 miles on East and West Four Ridge Road. Right turn / acceleration lanes will be added to the intersection of East and West Four Ridge Road while also providing a new horizontal and vertical alignment. Old State Route 21 will be milled 3-1/2", have multiple concrete base repairs, pavement widening, and constructing A2 Shoulders. Additional improvements include but are not limited to: large and small block MSE retaining walls, 40,000 CY of unclassified excavation, drainage piping and structures, guardrail, bituminous pavement, and striping.

**(2) PLANS AND SPECIFICATIONS:** Plans (if applicable) and specifications for this project are available through the Jefferson County, Missouri Government website (Jeffcomo.org) under the "Invitation for Bids/Request for Proposals" tab under the "Hot Topics" box in Bid & Proposals. It is the bidder's responsibility to obtain these documents from the provided source, including copies for use in construction if awarded the project. Paper copies of any documents will require advance notice and are subject to administrative fees for labor and material costs, similar to that of a "Freedom of Information Act" request. Plans, specifications, and any other project documents are made available only for the purposes of obtaining bids, and as a resource to the awarded contractor. These documents do not confer a license or grant for any other use.

**(3) CONTRACT DOCUMENTS AND SITE CONDITIONS:** Before submitting a Bid, each Bidder must (a) examine the Contract Documents thoroughly, (b) visit the site to familiarize himself with local conditions that may in any manner affect cost, progress or performance of the Work, (c) familiarize himself with federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of the Work; and (d) study and carefully correlate Bidder's observations with the Contract Documents. Each bidder will, at his own expense, make such investigations and tests as the bidder may deem necessary to determine his Bid for performance of the Work in accordance with the time, price and other terms and conditions of the Contract Documents. On request, the County will provide each bidder access to the site to conduct such investigations and tests, as each bidder deems necessary for submission of his Bid. The lands upon which the Work is to be performed rights - of - way for access thereto and other lands designated for use by the Contractor in performing the work are identified in the projects specifications or plans.



- (4) **COMPLIANCE WITH CONTRACT PROVISIONS:** The bidder, having examined and being familiar with the local conditions affecting the work, and with the contract, contract documents, including the Missouri Highways and Transportation Commission's "Missouri Standard Specifications for Highway Construction, 2018," and "Missouri Standard Plans for Highway Construction, 2018" and Supplemental Revisions (if applicable), their revisions, and the request for bid, including appendices, the special provisions and plans, hereby proposes to furnish all labor, materials, equipment, services, etc., required for the performance and completion of the work. All references are to the Missouri Standard Specifications for Highway Construction, as revised, unless otherwise noted. All questions about the meaning or intent of the Contract Documents shall be submitted to the county project manager as stated on the "Bidder Checklist." Replies will be issued by Addenda, mailed or electronically delivered, to all parties recorded by the County Engineer as having received the Bidding Documents. Oral and other interpretations or clarifications will be without legal effect.

The following documents are available on the Missouri Department of Transportation web page at [www.modot.mo.gov](http://www.modot.mo.gov) under "Business with MoDOT" "Standards and Specifications". The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications  
Supplemental Plans to 2018 Missouri Std. Plans For Highway Construction (if applicable)

These supplemental bidding documents contain all current revisions to the bound printed versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

Please note that within the above-listed documents, the term "Commission" shall be replaced with the term, "Jefferson County, Missouri", and the term "Engineer" is a reference to the County Public Works Director/Highway Engineer.

The contracting authority for this contract is Jefferson County Department of Public Works.

- (5) **PRIME CONTRACTOR REQUIREMENTS:** The prime contractor must be on MoDOT's approved contractor listing at least 7 days before the day of the bid opening in order for MoDOT to concur with the award of this project. The limitation in Sec 108.1.1 of the Missouri Standard Specifications for Highway Construction that "the contractor's organization shall perform work amounting to not less than 40 percent of the total contract cost" is waived for this contract. Instead, the less restrictive terms of the Federal Highway Administration's rule at Title 23 Code of Federal Regulations (CFR) § 635.116(a) shall apply, so that the contractor must perform project work with its own organization equal to and not less than 30 percent of the total original contract price. Second-tier subcontracting will not be permitted on this contract. All other provisions in Sec 108.1.1 et seq. of the Missouri Standard Specifications for Highway Construction shall remain in full force and effect, and shall continue to govern the contractor and its subcontractors, in accordance with the provisions of Title 23 CFR § 635.116.

- (6) **SUBCONTRACTORS:** No subcontract may be awarded by the prime contractor under this contract to anyone without approval of the County. In order for such approval to be obtained the Contractor shall submit a request to subcontract. This is not required for bid submittal. The proposed subcontractor must also submit, through the Contractor, the following documents in an acceptable form:

- a. Copy of any subcontracts, if requested
- b. Certification by proposed subcontractor regarding equal employment opportunity;
- c. Certification by proposed subcontractor concerning labor standards and prevailing wage requirements;
- d. Any such other documents and evidence as the County may reasonably request to show that the subcontractor has fully complied with any reporting requirements to which it is or was subject.
- e. Affidavit of Federal Employment Authorization to be completed and turned in by proposed subcontractors.
- f. Subcontractor shall have certificate of insurance with the same limits as the prime contractor listing Jefferson County Department of Public Works as Additional Insured and as a certificate holder. The endorsement is also required.
- g. E-verify MOU in its entirety.

The documents by proposed subcontractors are not required to be attached to the Contractor's Bid.

- (7) **SUBCONTRACTOR DISCLOSURE:** Requirements contained within Sec 102.7.12 of the Missouri Standard Specification for Highway Construction shall be waived for this contract.

BIDDER'S INITIALS INDICATING UNDERSTANDING AND ACCEPTANCE \_\_\_\_\_

(8) **SALES AND USE TAX EXEMPTION:** Jefferson County, Missouri, a tax exempt entity, will furnish a Missouri Project Exemption Certificate as described in Section 144.062 RSMo to the awarded contractor who in turn may use the certificate to purchase materials for a specific project performed for the tax exempt entity. Only the materials and supplies incorporated or consumed during the construction of the project are exempt. The certificate will be issued to the contractor for a specific project for a defined period of time.

(9) **PERIOD OF PERFORMANCE:** If the bid is accepted, the bidder agrees that work shall be diligently prosecuted at such rate and in such manner as, in the judgment of the engineer, is necessary for the completion of the work within the time specified as follows in accordance with Sec 108:

**145 Working Days**

(10) **LIQUIDATED DAMAGES:** The bidder agrees that, should the bidder fail to complete the work in the time specified or such additional time as may be allowed by the engineer under the contract, the amount of liquidated damages to be recovered in accordance with Sec 108 shall be as follows:

Liquidated damages per day: **\$1,225.00**

(11) **BID GUARANTY:** The bidder shall submit a Bid Guaranty. The project bid bond form is included in the bid book. The bidder shall mark the box below to identify the type of Bid Guaranty.

- ☐ Paper Bid Bond  
☐ Cashier's Check

Bid Guaranty shall be made payable to the Owner, in the amount of five percent of the Bidder's maximum Bid price and in the form of a certified or bank check or a Bid Bond (on form attached, if a form is prescribed) issued by a Surety.

The Bid security of the Successful Bidder will be retained until such Bidder has executed the Agreement and furnished the required Contract Security within 15 days of the Notice of Award. Failure to do so may result in the annulment of the Notice of Award and forfeiture of the Bid Security. The Bid Security of any Bidder whom the Owner believes to have a reasonable chance of receiving the award may be retained by the Owner until the earlier of the seventh day after the "effective date of the Agreement" (which is the date when the agreement has been executed by all parties) by Owner to Contractor and the required Contract Security is furnished or the sixty-first day after the Bid opening. Bid Security of other Bidders will be returned within seven days of the Bid opening.

(12) **CERTIFICATIONS FOR FEDERAL JOBS:** By signing and submitting this bid, the bidder makes the certifications appearing in Sec. 102.18.1 (regarding affirmative action and equal opportunity), Sec. 102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.4 (regarding lobbying activities). Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13, the contracting authority may terminate the contract for acts of misconduct, which includes but is not limited to fraud, dishonesty, and material misrepresentation or omission of fact within the bid submission.

(13) **SUBSTITUTE MATERIALS, EQUIPMENT, AND VALUE ENGINEERING:** The Contract, if awarded, will be on the basis of material and equipment described in the Drawings or specified in the Specifications without consideration of possible substitute or "or-equal" items. Whenever it is indicated in the Drawings or specified in the Specifications that a substitute or "or-equal" item of material or equipment may be furnished or used by a Contractor, it must first be approved to be acceptable by the county. Proposals to alter the project design or specifications, otherwise known as "Value Engineering" must also be proposed, submitted, and accepted. Application for such acceptance will not be considered by County Engineer until after the "effective date of the Agreement". Bidders should assume that no modifications to the contract or design will be allowed for it is not guaranteed that a modification will be allowed. Bid on the plans and Specifications "As-Is" or with any issued addendum during the bidding phase.

(14) **MATERIALS INSPECTION:** All technicians who perform, or are required by the FHWA to witness, such sampling and testing shall be deemed as qualified by virtue of successfully completing the requirements of EPG 106.18 Technician Certification Program, for that specific technical area.

BIDDER'S INITIALS INDICATING UNDERSTANDING AND ACCEPTANCE \_\_\_\_\_

- (15) **BUY AMERICA REQUIREMENTS:** Construction contracts shall assure compliance with Section 165 of the Surface Transportation Assistance Act of 1982, Section 337 of the Surface Transportation and Uniform Relocation Assistance Act of 1987, and 23 CFR 635.410 regarding Buy America provisions on the procurement of foreign products and materials. On all contracts involving Federal-aid, all products of iron, steel, or a coating of steel which are incorporated into the work must have been manufactured in the United States. The Contracting Authority may allow minimal amounts of these materials from foreign sources, provided the cost does not exceed 0.1 percent of the contract sum or \$2,500, whichever is greater. The Contractor certifies that these materials are of domestic origin. Additional information regarding the "Buy America" requirements can be found at:

<http://www.fhwa.dot.gov/programadmin/contracts/b-amquck.cfm>

- (16) **FEDERAL AND STATE INSPECTION:** The Federal Government is participating in the cost of construction of this project. All applicable Federal laws, and the regulations made pursuant to such laws, shall be observed by the contractor, and the work will be subject to the inspection of the appropriate State or Federal Agency in the same manner as provided in Sec 105.10 of the Missouri Standard Specifications for Highway Construction with all revisions applicable to this bid and contract.

- (17) **PREVAILING WAGE (FEDERAL AND STATE):** This contract requires the payment of no less than the prevailing hourly rate of wages for each craft or type of work required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations, and requires adherence to a schedule of minimum wages as determined by the United States Department of Labor. For work performed anywhere on this project, the contractor and the contractor's subcontractors shall pay the higher of these two applicable wage rates. The applicable state wage rates for this contract are detailed in "Annual Wage Order No. 26", that is attached to this bidding document. The applicable federal wage rates for this contract are the effective Davis-Bacon federal wage rates posted the tenth day before the bid opening date and are attached herein. The contractor will forfeit a penalty to the contracting public body of \$100 per day (or portion of a day) for each worker that is paid less than the prevailing rate for any work done under the contract by the contractor or by any subcontractor. These supplemental bidding documents have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

- (18) **WORKER ELIGIBILITY REQUIREMENTS:** Execution of the construction contract for this project is dependent upon the awarded bidder providing an Affidavit of Compliance AND E-Verify Memorandum-of-Understanding (MOU) between the bidder and Department of Homeland Security to the Contracting Authority as required by section 285.530 RSMo. **The cover page and signature page of the E-Verify MOU and the Affidavit must be submitted with the bid.** A sample Affidavit of Compliance can be found at the Missouri Attorney General's website at the following link:

[https://labor.mo.gov/sites/labor/files/pubs\\_forms/PW-4-AI.pdf](https://labor.mo.gov/sites/labor/files/pubs_forms/PW-4-AI.pdf)

All bidders must also be enrolled in the E-Verify Program, and include their MOU prior to contract execution. Bidders who are not enrolled will need to go to the following website link and select "Enroll in the Program" to get started. After completing the program, they will receive their E-Verify MOU with Department of Homeland Security. This document will need to be printed out and kept on file so that a copy can be attached to the Affidavit of Compliance.

[http://www.dhs.gov/files/programs/gc\\_1185221678150.shtm](http://www.dhs.gov/files/programs/gc_1185221678150.shtm)

This requirement also applies to subcontractors and contract labor, but this contract only requires submittal of the verification documents for the prime contractor. It is the prime contractor's responsibility to verify the worker eligibility of their subcontractors in order to protect their own company from liability as required by section 285.530 RSMo.

BIDDER'S INITIALS INDICATING UNDERSTANDING AND ACCEPTANCE \_\_\_\_\_

- (19) **ANTIDISCRIMINATION**: The Contracting Authority hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.
- (20) **OSHA TEN HOUR TRAINING REQUIREMENTS**: Missouri Law, 292.675 RSMO, requires any awarded contractor and its subcontractor(s) to provide a ten-hour Occupational Safety and Health Administration (OSHA) Construction Safety Program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operators, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The awarded contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMO, unless they hold documentation on their prior completion of said program. Penalties, for Non-Compliance include contractor forfeiture to the Contracting Authority in the amount of \$2,500, plus \$100 per contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMO.
- (21) **TRAINEES**: By submitting this bid, the bidder certifies that the bidder is familiar with the Training Provision in the Missouri Highways and Transportation Commission's "General Provisions and Supplement Specifications" which are available on the Missouri Department of Transportation web page at [www.modot.mo.gov](http://www.modot.mo.gov) under "Business with MoDOT" "Standards and Specifications". The number of trainee hours provided under this contract will be 0 slots at 1000 hours per slot or 0 hours.
- (22) **ADDENDUM ACKNOWLEDGEMENT**: An addendum, if issued, will be posted on the County's website ([Jeffcomo.org](http://Jeffcomo.org) in same location as these specifications), and will be emailed to the provided contact on the "Plan Holder Information Request" form. Bidder must submit the plan holder form with a valid contact to receive any addenda. By submitting a bid, the bidder acknowledges he or she was afforded equal opportunity to gain access and knowledge of any addenda. The County shall not be held liable for a bidder's failure to provide contact information leading to the failure to be aware of any contract modifications. The undersigned states that all addenda (if applicable) have been received, acknowledged and incorporated into their bid, prior to submittal. For paper bids, staple addenda to the bid in the appropriate part of the bid.

No Addenda ☐ I have checked the County's website for addenda and acknowledge there are no addenda

Addenda ☐ I have checked the County's website for addenda and acknowledge the contract modifications

(THIS SPACE INTENTIONALLY LEFT BLANK)

BIDDER'S INITIALS INDICATING UNDERSTANDING AND ACCEPTANCE \_\_\_\_\_

**(23) SIGNATURE AND IDENTITY OF BIDDER:** The undersigned states that the following provided information is correct and that (if not signing with the intention to bind themselves to become the responsible and sole bidder) they are the agent of, and they are signing and executing this, as the bid of

\_\_\_\_\_, which is the correct LEGAL NAME as stated on the contractor questionnaire (if applicable).

a) The organization submitting this bid is a(n) (1) individual bidder, (2) partnership, (3) joint venturer (whether individuals or corporations, and whether doing business under a fictitious name), or (4) corporation. Indicate by marking the appropriate box below.

☐ sole individual

☐ partnership

☐ joint venture

☐ corporation, incorporated under laws of state of \_\_\_\_\_.

b) If the bidder is doing business under a fictitious name, indicate below by filling in the fictitious name

\_\_\_\_\_

Executed by bidder this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

THE BIDDER CERTIFIES THAT THE BIDDER AND ITS OFFICIALS, AGENTS, AND EMPLOYEES HAVE NEITHER DIRECTLY NOR INDIRECTLY ENTERED INTO ANY AGREEMENT, PARTICIPATED IN ANY COLLUSION, OR OTHERWISE TAKEN ANY ACTION IN RESTRAINT OF FREE COMPETITIVE BIDDING IN CONNECTION WITH THIS BID, AND THAT THE BIDDER INTENDS TO PERFORM THE WORK WITH ITS OWN BONAFIDE EMPLOYEES AND SUBCONTRACTORS, AND DID NOT BID FOR THE BENEFIT OF ANOTHER CONTRACTOR.

THE BIDDER ACKNOWLEDGES THAT THIS IS AN UNSWORN DECLARATION, EXECUTED UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES AND/OR FALSE DECLARATION UNDER THE LAWS OF MISSOURI, AND ANY OTHER APPLICABLE STATE OR FEDERAL LAWS. THE FAILURE TO PROVIDE THIS CERTIFICATION IN THIS BID MAY MAKE THIS BID NON-RESPONSIVE, AND CAUSE IT TO BE REJECTED.

THE BIDDER CERTIFIES THAT THE BIDDER'S COMPANY KNOWINGLY EMPLOYS ONLY INDIVIDUALS WHO ARE AUTHORIZED TO WORK IN THE UNITED STATES IN ACCORDANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND ALL PROVISIONS OF MISSOURI EXECUTIVE ORDER NO. 07-13 FOR CONTRACTS WITH THE CONTRACTING AUTHORITY.

☐ Check this box ONLY if the bidder REFUSES to make any or all of these certifications. The bidder may provide an explanation for the refusal(s) with this submittal.

\_\_\_\_\_  
Signature of Bidder's Owner, Officer, Partner or Authorized Agent

\_\_\_\_\_  
Please print or type name and title of person signing here

Attest:

\_\_\_\_\_  
Secretary of Corporation if Bidder is a Corporation

Affix Corporate Seal (If Bidder is a Corporation)

NOTE: If bidder is doing business under a fictitious name, the bid shall be executed in the legal name of the individual, partners, joint ventures, or corporation, and registration of fictitious name filed with the secretary of state, as required by sections 417.200 to 417.230 RSMo. If the bidder is a corporation not organized under the laws of Missouri, it shall procure a certificate of authority to do business in Missouri, as required by section 351.572 et seq RSMo. A certified copy of such registration of fictitious name or certificate of authority to do business in Missouri shall be filed with the Missouri Highways and Transportation Commission, as required by the standard specifications.

BIDDER'S INITIALS INDICATING UNDERSTANDING AND ACCEPTANCE \_\_\_\_\_



- (24) **MODIFICATION AND WITHDRAWAL OF BIDS:** Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a Bid must be executed) and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids.

If, within twenty-four hours after Bids are opened, any Bidder files a duly signed written notice with the County and promptly thereafter demonstrates to the reasonable satisfaction of the County that there was a material and substantial mistake in the preparation of his Bid, that Bidder may withdraw his bid. Thereafter, that Bidder will be disqualified from further bidding on the Work.

- (25) **OPENING OF BIDS:** Bids will be opened publicly. All Bids shall remain open for sixty days after the day of the Bid opening, but the County may at their sole discretion, release any Bid and return the Bid Security prior to that date. The County reserves the right to reject any and all bids, to waive any and all informalities, and the right to reject non-responsive bids with MoDOT concurrence. In evaluating Bids, the County shall require Bidders to be on MoDOT's approved contractor listing at least 7 days before the day of the bid opening, and consider whether the Bid meets all requirements of the advertisement and proposal, and any alternates and all unit prices requested in the Bid forms are provided.

- (26) **AWARD OF CONTRACT:** This project will be awarded to the lowest, responsive, responsible bidder.

The County may consider the qualifications and experience of Subcontractors and other persons and organizations (including those who are to furnish the principal items of material or equipment) proposed for those portions of the work as to which the identity of Subcontractors and other persons and organizations must be submitted as provided. Operating costs, maintenance considerations, performance data and guarantees of materials and equipment may also be considered by the County. The County may conduct such investigations as they deem necessary to assist in the evaluation of whether any Bid is responsive in accordance with the Contract Documents to the County's satisfaction within the prescribed time. If the contract is to be awarded, the County will give the Successful Bidder a Notice of Award within sixty days after the date of the Bid opening.

Section 39 of the General Provisions set forth the County's requirements as to performance and other Bonds. When the Successful Bidder delivers the executed Agreement to the County it shall be accompanied by the required Contract Security.

When the County gives a Notice of Award to the Successful Bidder, it will be accompanied by at least three unsigned counterparts of the Agreement and all other Contract Documents. Within fifteen days thereafter Contractor shall sign and deliver at least four counterparts of the Agreement to the County with all other Contract Documents attached. The County will return one executed Contract Agreement to the Contractor.

- (27) **FAILURE TO EXECUTE AGREEMENT:** Failure to execute the agreement and to file the acceptable contract bonds within 15 days after the unexecuted agreement has been mailed to the bidder shall be just cause for the cancellation of the award and the forfeiture of the bid guaranty. A bidder failing to file an acceptable bid or contract bond from an approved surety or failing to execute the agreement within the time provided, resulting in a cancellation of the award to that bidder, disqualifies that bidder, and any other firm having common ownership or control with that bidder, from performing any work on the County project or projects which are the subject of that bid, as a prime contractor, a subcontractor or a supplier

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BIDDER'S INITIALS INDICATING UNDERSTANDING AND ACCEPTANCE \_\_\_\_\_

(28) **ITEMIZED BID:** Bid Forms must be completed in ink or by typewriter. The Bidder shall indicate, in figures, a unit price for each item on the form, the product of the respective quantities and unit prices in the column provided, the subtotal for each item group, and the gross sum (Total Bid).

In case of discrepancy between the gross sum shown on the bid and that obtained by adding the products of the quantities of work and the unit prices, the bidder agrees that the unit prices shall govern, and any errors found in said products and gross sum may be corrected by the County.

Bids by corporations must be executed in the corporate name by the president or a vice-president (or other corporate officer accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown below the signature.

Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature and the official address of the partnership must be shown below the signature.

The Bid shall contain an acknowledgment of receipt of all Addenda (the numbers of which shall be filled in on the Bid Form).

The address, phone number, and email to which communications regarding the Bid are to be directed must be shown.

**Bids shall be submitted, in triplicate**, at time and place indicated in the Invitation to Bid and shall be included in an opaque sealed envelope, marked with the Project title and name and address of the Bidder and accompanied by the other required documents.

If the Bid is sent through the mail or other delivery system the sealed envelope shall be enclosed in a separate envelope with the notation "**BID ENCLOSED**" on the face thereof

Failure to submit the following required documents prior to the bid opening will make the bid non-responsive and not eligible for award consideration:

- a. Complete and Submit Plan Holder's List Form prior to bid submittal (email before bid opening)
- b. Bid Submittal Cover Sheet with bidder's name printed or typed
- c. Instructions and Notices to Contractors initialed on each page, all spaces filled, signed.
- d. Balanced Bid Form, complete, signed, and embossed (if corporation), **addenda acknowledged and attached**
- e. Bid Guaranty/Bid Bond (Assurance Company's form is valid substitute to generic form herein)
- f. Bidder's Acknowledgement completed and signed
- g. Affidavit of Federal Employment Authorization (Annual Worker Eligibility Verification Affidavit)
- h. Disadvantaged Business Enterprise (DBE) Identification (within 3 days of bid opening)
- i. Certification Regarding Anti-collusion (see notice 12 above)
- j. Certification Regarding Use of Contract Funds for Lobbying (see notice 12 above)
- k. Certification Regarding Debarment and Suspension (see notice 12 above)
- l. Certification Regarding Affirmative Action and Equal Opportunity (see notice 12 above)
- m. Bid to be submitted in ink with proper signatures with no white out or initialed changes
- n. Enclose Certificate of Insurance

**IN ORDER TO BE CONSIDERED A RESPONSIVE, RESPONSIBLE BIDDER, THE CONTRACTOR MUST READ, UNDERSTAND, COMPLETE AND SUBMIT 3 COPIES OF ALL FORMS WITHIN THIS BID SUBMITTAL PACKAGE, ALONG WITH OTHER SUBMITTAL REQUIREMENTS AS STATED ABOVE AND ON THE BIDDER CHECKLIST.**

The County does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

The bidder should complete the following section in accordance with Sec 102.7. The bidder proposes to furnish all labor, materials, equipment, services, etc. required for the performance and completion of the work, as follows:

BIDDER'S INITIALS INDICATING UNDERSTANDING AND ACCEPTANCE \_\_\_\_\_

## BID FORM

TO: JEFFERSON COUNTY, MISSOURI

BID FOR: OLD STATE ROUTE 21 AT EAST / WEST FOUR RIDGE ROAD INTERSECTION IMPROVEMENTS

FEDERAL PROJECT NO. STP-5462 (608)

1. The undersigned BIDDER proposes and agrees, if this BID is accepted, to enter into an Agreement with the County in the form included in the Contract Documents to complete all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the Contract Documents.
2. BIDDER accepts all of the terms and conditions of the Instructions to Bidders. This Bid will remain open for sixty days after the day of Bid opening. BIDDER will sign the Agreement and submit all documents required within fifteen (15) days after the COUNTY'S Notice of Award.
3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:
  - (a) BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary; and
  - (b) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the County.
4. Bidder will complete project for the following unit prices. It is understood that the quantities given for the following bid items are not guaranteed by the Jefferson County Department of Public Works and are used solely for the purpose of comparing bids and awarding the contract, and may or may not represent the actual quantities encountered on the job, and that the sum of quantities listed below, multiplied by the unit price shall constitute the gross sum bid:

(Enter Unit Prices Beginning on Next Sheet Below)



OLD STATE ROUTE 21 @ FOUR RIDGE ROAD INTERSECTION IMPROVEMENTS - BID TAB					
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
<b>ROADWAY ITEMS</b>					
201-30.00	CLEARING AND GRUBBING	AC	1.0		
202-20.10	REMOVAL OF IMPROVEMENTS	LS	1		
203-50.00	UNCLASSIFIED EXCAVATION	CY	39363		
203-60.00	COMPACTING EMBANKMENT	CY	320		
304-05.04	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY	8273		
310-10.03	GRAVEL (A)	SY	181		
401-01.50	TYPE A2 SHOULDER	SY	1410.8		
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TONS	1486.2		
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE)	TONS	2523.0		
407-10.05	TACK COAT	GAL	750		
502-11.06	CONCRETE PAVEMENT (6 IN. NON-REINF)	SY	21.7		
606-10.61	MGS GUARDRAIL, 8 FT. POST, 6 FT.- 3 IN. SPACING	LF	100		
606-10.80	MGS END ANCHOR	EA	1		
606-30.14	TYPE A CRASHWORTHY END TERMINAL (MASH)	EA	1		
607-10.50	CHAIN-LINK FENCE (RETAINING WALLS)	LF	425		
607-11.02	MODIFIED CONCRETE GUTTER TYPE B	LF	458		
607-99.03	REMOVE AND REPLACE EXISTING FENCE	LF	58		
608-30.08	8 IN. CONCRETE MEDIAN STRIP	SY	94.6		
608-99.05	8 IN. RED STAMPED CONCRETE MEDIAN	SY	43.1		
608-50.07	PAVED APPROACH, 7 IN.	SY	97.7		
609-10.41	CONCRETE GUTTER, TYPE A	LF	9		
609-10.52	CURB AND GUTTER TYPE B	LF	137		
611-30.20	FURNISHING TYPE 2 ROCK BLANKET	CY	106		
611-30.40	PLACING TYPE 2 ROCK BLANKET	CY	106		
612-30.00A	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	EA	1		
613-10.10	FURNISHING AND PLACING CONCRETE MATERIAL FOR PAVEMENT REPAIR	SY	258.1		
613-10.12	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR)	SY	271		
613-10.13	TYPE 1 OR TYPE 5 AGG. BASE (4 IN. THICK) (PAVEMENT REPAIR)	SY	271		
613-10.14	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS)	LF	920		
613-10.15	DOWEL BAR (DRILLING, FURNISHING, AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR	EA	704		
613-99.05	REINFORCEMENT CRACK CONTROL GRID	SY	459.8		
616-10.05	CONSTRUCTION SIGNS	SF	807		
616-10.25	CHANNELIZER (TRIM LINE)	EA	520		
616-10.30	TYPE III MOVABLE BARRICADE	EA	13		
616-10.98A	CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISH	EA	4		
618-10.00	MOBILIZATION	LS	1		
619-10.00	PAVEMENT EDGE TREATMENT	LF	1678		
620-80.64A	TEMPORARY RAISED PAVEMENT MARKERS	EA	172		
622-99.05	COLDMILLING BITUMINOUS PAVEMENT (3 1/2" IN. THICK)	SY	2829		
624-01.03A	PERMANENT EROSION CONTROL GEOTEXTILE	SY	238		
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1		
720-99.04	MECHANICALLY STABILIZED EARTH WALL SYSTEMS (SMALL BLOCK)	SF	251		
720-99.04	MECHANICALLY STABILIZED EARTH WALL SYSTEMS (LARGE BLOCK)	SF	5867		
<b>SUBTOTAL ROADWAY ITEMS</b>					

<b>DRAINAGE ITEMS</b>					
206-30.00	CLASS 3 EXCAVATION	CY	399		
609-70.00	ROCK LINING	CY	12		

726-10.15	15 IN. PIPE GROUP A	LF	236		
726-10.18	18 IN. PIPE GROUP A	LF	51		
726-10.24	24 IN. PIPE GROUP A	LF	192		
731-00.48	PRECAST CONCRETE MANHOLE - 48 IN.	LF	5		
732-06.12A	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EA	7		
732-06.18A	18 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EA	2		
732-06.24A	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EA	1		
732-10.13A	15 IN. OR ALLOWED SUBSTITUTE SAFETY SLOPE END SECTION	EA	1		
732-10.16A	24 IN. OR ALLOWED SUBSTITUTE SAFETY SLOPE END SECTION	EA	5		
				<b>SUBTOTAL DRAINAGE ITEMS</b>	

<b>SIGNING/STRIPING ITEMS:</b>					
620-00.09	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN. WHITE	LF	491		
620-00.15	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	LF	54		
620-00.18	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. YELLOW	LF	43		
620-00.21	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	EA	8		
620-00.24	PREFORMED THERMOPLASTIC PAVMENT MARKING, STRAIGHT ARROW	EA	2		
620-00.42	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	EA	16		
620-60.00C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	8962		
620-60.01C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	7803		
626-10.00A	BITUMINOUS SHOULDER RUMBLE STRIP	STA	8.7		
903-12.42	36 IN. SURFACE-MOUNT DELINEATOR POST	EA	12		
				<b>SUBTOTAL SIGNING/STRIPING ITEMS</b>	

<b>ROADSIDE ITEMS:</b>					
803-10.00A	SODDING	SY	1794		
804-10.00	TOPSOIL	CY	482		
805-10.00A	SEEDING-COOL SEASON MIXTURES	AC	1.2		
805-99.19	CROWN VETCH SEEDING	AC	1.1		
806-10.05	ROCK DITCH CHECK	LF	281		
806-10.16	SEDIMENT REMOVAL	CY	39		
806-10.19	SILT FENCE	LF	649		
806-41.28	TYPE 1 TURF REINFORCMENT MAT	SY	3751		
				<b>SUBTOTAL ROADSIDE ITEMS</b>	

<b>ADDITIONAL FILL AT GERMAN CULTURAL SOCIETY:</b>					
201-30.00	CLEARING AND GRUBBING	AC	1.5		
203-50.00	UNCLASSIFIED EXCAVATION	CY	350		
203-60.00	COMPACTING EMBANKMENT	CY	33218		
804-10.00	TOPSOIL	CY	448		
805-10.00A	SEEDING-COOL SEASON MIXTURES	AC	1.1		
805-99.19	CROWN VETCH SEEDING	AC	1.1		
806-10.03	SEDIMENT TRAP ROCK	CY	8		
806-10.04	ROCK DITCH CHECK	LF	180		
806-10.16	SEDIMENT REMOVAL	CY	24		
806-10.19	SILT FENCE	LF	2486		
901-99.03	CONDUIT 2 1/2"	LF	300		
				<b>SUBTOTAL ADDITIONAL FILL AT GERMAN CULTURAL SOCIETY</b>	
				<b>PROJECT TOTAL</b>	

**NOTICE TO BIDDER-** Bidders must complete the submitted section in its entirety.

5. BIDDER agrees that the work will be completed within **145 Working Days** or the CONTRACTOR shall pay the COUNTY, not as a penalty but as **liquidated damages**, a sum equal to **Seven Hundred Dollars (\$1,225.00)** for each day, as defined by Sec 108 of the **2018** Edition of the “Missouri Standard Specifications for Highway Construction”, elapsing between the expiration of such time limit plus such extensions as may be necessary to cover contingencies beyond the CONTRACTOR'S control and the date of the full completion.

The County reserves the right to negotiate additional terms for the time of completion with the successful bidder.

- 5.1 **Acceptance of Provision for Asphalt Cement Price Index:** Bidder has the option to accept the following provision for Asphalt Cement Price Index, if applicable. The bidder must mark the box below if they choose to accept the provision. No price adjustments will be made, due to asphalt price changes, for bidders that do not accept this provision. This provision applies only to projects that have a quantity of asphalt wet ton mix pay items over 1000 tons.

☐

Asphalt Cement

Asphalt Cement Price Index adjustments will be made to the payments due the Contractor for any plant mix bituminous base, plant mix bituminous pavement, plant mix bituminous surface leveling, asphaltic concrete pavement and ultrathin bonded asphalt wearing surface that contains performance graded (PG) asphalt binder when it has been determined that the monthly average price of PG64-22 for St. Louis, Missouri area has fluctuated from the monthly average price of the month the project was bid. The St. Louis, Missouri “Asphalt Price Index” will be obtained from MoDOT’ website:

[http://www.modot.org/business/contractor\\_resources/bidOpenIndex.shtml](http://www.modot.org/business/contractor_resources/bidOpenIndex.shtml)

The monthly base price, established prior to the bid opening, shall apply to payment estimates for the following month. The adjusted contract unit price will be applied to the actual amount of asphalt binder used by the Contractor for all asphalt items. The adjustment will be applied to projects that have a quantity of asphalt wet ton mix pay items over 1000 tons. The percentage of virgin asphalt as shown in the job mix formula, in accordance with Sec 401, Sec 403 and Sec 413, will be the basis for adjustments for any asphalt mix type placed on the project during the monthly index period. The effective asphalt obtained from the use of Recycled Asphalt Pavement (RAP) and/or Recycled Asphalt Shingles (RAS) will not be eligible for adjustment. The base price index for PG64-22 will be applied to the asphalt mix for mixes using any type of PG asphalt binder.

**Basis of Payment** To determine the adjustment for any material specified in this provision the following formula will be used.

$$A = (B \times C) \times (D - E)$$

Where:

- A = Adjustment for mix placed during monthly average index period
- B = Tons of Mix Placed during the monthly average index period
- C = % of virgin asphalt binder as listed in the job mix formula in use
- D = Asphalt Price Index, as published by MoDOT for the month prior to the month of mix placement  
(Ex: if asphalt material placed in August, use Price Index listed for July)
- E = Asphalt Price Index, as published by MoDOT for the month prior to the letting (Ex: if project bid in June, use Price Index listed for May)

The engineer will make adjustment payments, as defined above, for the applicable work completed during each month except for projects on which the contractor is being charged liquidated damages, due to working beyond the project completion date, in accordance with Sec 108. In this case, the "D" value used for the price adjustment will be either the last "D" value prior to the date that liquidated damage assessment began or the current monthly "D" value, whichever is lower. If the contractor is being charged liquidated damages due to

the contract being beyond the project completion date and the current months "D" value results in a deduction, then the current monthly "D" value will be used.

**Optional** This provision is optional. If the bidder wishes to be bound by this provision, the bidder shall execute the acceptance form in the Bid. Failure by the bidder to execute the acceptance form will be interpreted to mean election to not participate in the Asphalt Cement Price Index. If the Asphalt Cement Price Index is accepted, asphalt binder for the project will not be eligible for a material allowance as described in Sec 109.

6. Communications concerning this Bid shall be addressed to the following:

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Phone (     )     -

Email: \_\_\_\_\_ Address: \_\_\_\_\_

7. The terms used in this Bid which are defined in the General Provisions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Provisions.

8. **CERTIFICATIONS FOR FEDERAL JOBS:** By signing and submitting this bid, the bidder makes the certifications appearing in Sec. 102.18.1 (regarding affirmative action and equal opportunity), Sec. 102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.4 (regarding lobbying activities). Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13, the contracting authority may terminate the contract for acts of misconduct, which includes but is not limited to fraud, dishonesty, and material misrepresentation or omission of fact within the bid submission.

9. BIDDER has examined copies of all the Contract Documents including but not limited to the Bidder's Checklist, Bid Notice, Instructions and Notices to Contractors, and the following Addenda, if applicable. Bidder must acknowledge all addenda to be considered responsive.

NO.	Date Released	Bidder's Initials	Initial Above if No Addenda is Acknowledged
1	/ /2019		
2	/ /2019		
3	/ /2019		
4	/ /2019		

COMPLETE BID SUBMITTED on \_\_\_\_\_, 2019

By \_\_\_\_\_  
(Corporation Name)

\_\_\_\_\_  
(State of Incorporation)                      (dba Name if Applicable)

By \_\_\_\_\_ x \_\_\_\_\_  
(Typed Name of Person Authorized to Sign)                      (Signature of Authorized Person)

\_\_\_\_\_  
(Title)                      (Affix Corporate Seal)

Attest \_\_\_\_\_  
(Typed Name of Secretary)

x \_\_\_\_\_  
(Signature of Secretary)

Business Phone: (     )     -  
Email Address: \_\_\_\_\_

Business Address: \_\_\_\_\_  
\_\_\_\_\_

## BID BOND

Suitable bid security in the amount of:

(\$\_\_\_\_\_) Dollars and equal to five (5%) percent as called for in the advertisement for bids which accompanies this proposal. This sum is to be forfeited to the County of Jefferson if the party or parties making the proposal fail to enter into a contract with the approved securities within fifteen (15) days after the Notice of Award has been made. The undersigned has examined the Plans and Specifications for the work to be done and has satisfied himself as to the work to be done and the conditions under which it must be carried out.

The Contractor shall commence work within three (3) days after the date of a written Notice to Proceed from the County and shall fully complete all work under this proposal within the scheduled time established by the Contract Documents. This proposal shall be equally binding to all heirs, administrators, executors, successors and assigns.

FIRM NAME \_\_\_\_\_

BY \_\_\_\_\_

TITLE \_\_\_\_\_

ATTEST \_\_\_\_\_

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

TELEPHONE \_\_\_\_\_

**BIDDER'S ACKNOWLEDGMENT**

(Complete and fill out all parts applicable, and strike out all parts not applicable)

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who, being by me first duly sworn, did say that he executed the forgoing Proposal with full knowledge and understanding of all its terms and provisions and of the plans and specifications; that the correct legal name and address of the Bidder (including those of all partners or joint ventures) is fully and correctly set out above; that all statements made therein by or for the Bidder are true; and

(if a sole individual) acknowledged that he executed the same as his free act and deed.

(if a partnership or joint venture) acknowledged that he executed the same, with written authority from, and as the free act and deed of, all said partners or joint venturers.

(if a corporation) that he is the \_\_\_\_\_  
(President or other agent)

of \_\_\_\_\_; that the above Proposal was signed and sealed in behalf of said corporation by authority of its board of directors; and he acknowledged said proposal to be the free act and deed of said corporation.

Witness my hand and seal at \_\_\_\_\_,  
The day and year first above written.

(SEAL)

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_ 20\_\_\_\_\_

**ANNUAL WORKER ELIGIBILITY VERIFICATION AFFIDAVIT**

(for joint ventures, a separate affidavit is required for each business entity)

STATE OF \_\_\_\_\_ )  
 ) ss  
COUNTY OF \_\_\_\_\_ )

On the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me appeared \_\_\_\_\_, personally known to me or proved to me on the basis of satisfactory evidence to be a person whose name is subscribed to this affidavit, who being by me duly sworn, stated as follows:

• I, the Affiant, am of sound mind, capable of making this affidavit, and personally certify the facts herein stated, as required by Section 285.530, RSMo, to enter into any contract agreement with the state to perform any job, task, employment, labor, personal services, or any other activity for which compensation is provided, expected, or due, including but not limited to all activities conducted by business entities.

• I, the Affiant, am the \_\_\_\_\_ of \_\_\_\_\_, and I am duly authorized, directed, and/or empowered to act officially and properly on behalf of this business entity.

• I, the Affiant, hereby affirm and warrant that the aforementioned business entity is enrolled in a federal work authorization program operated by the United States Department of Homeland Security, and the aforementioned business entity shall participate in said program to verify the employment eligibility of newly hired employees working in connection with any services contracted by the Jefferson County. I have attached documentation to this affidavit to evidence enrollment/participation by the aforementioned business entity in a federal work authorization program, as required by Section 285.530, RSMo.

• I, the Affiant, also hereby affirm and warrant that the aforementioned business entity does not and shall not knowingly employ, in connection with any services contracted by Jefferson County, any alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. § 1324a(h)(3).

• I, the Affiant, am aware and recognize that, unless certain contract and affidavit conditions are satisfied pursuant to Section 285.530, RSMo, the aforementioned business entity may be held liable under Sections 285.525 through 285.550, RSMo, for subcontractors that knowingly employ or continue to employ any unauthorized alien to work within the state of Missouri.

• I, the Affiant, acknowledge that I am signing this affidavit as a free act and deed of the aforementioned business entity and not under duress.

\_\_\_\_\_  
Affiant Signature

Subscribed and sworn to before me in \_\_\_\_\_, \_\_\_\_\_, the day and year first above-written.  
city (or county) state

\_\_\_\_\_  
Notary Public

My commission expires:

*[documentation of enrollment/participation in a federal work authorization program attached]*



## DBE Submittal Forms

**(6) DBE Submittal Forms:** This form must be submitted by 4 p.m. three (3) business days after bid opening.

(A) DBE Contract Goal: By submitting this bid, the bidder certifies that the bidder is familiar with the DBE Program Requirements in this contract. The contract DBE goal for the amount of work to be awarded is 14% of the total federal project price. The bidder shall also complete the DBE Submittal Form in accordance with the program requirements.

(B) DBE Participation: The bidder certifies that it will utilize DBE's as follows:

\_\_\_\_\_% OF TOTAL FEDERAL CONTRACT

NOTE: Bidder must fill in the above blank. If no percentage is specified, the bidder certifies that it agrees to, and will comply with the contract goal. If a percentage below the contract goal is specified, then the bidder must submit complete documentation of good faith efforts to meet the DBE contract goal, immediately below.

(C) Certification of Good Faith Efforts to Obtain DBE Participation: By submitting its signed bid, the bidder certifies under penalty of perjury and other provisions of law, that the bidder took each of the following steps to try to obtain sufficient DBE participation to achieve the Commission's proposed DBE Contract Goal: (Attach additional sheets if necessary).

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## DBE Submittal Forms

Identification of Participating DBEs: The information shown on this page must be completed. If this page is submitted but not signed, it will not be cause for rejection. The apparent low and second low bidder must file this form with the **Jefferson County Department of Public Works, P.O. Box 100, Hillsboro, MO 63050** by 4:00 p.m. on the third working day after the bid opening. Fax or email transmittal is permitted. The fax number is **636-797-5565** and the email address for submittal is **jhamilton@jeffcomo.org**. The original copy must be mailed by overnight mail to the Local Public Agency the day of the FAX or email transmittal. Contact External Civil Rights at (573) 751-7801 for questions or assistance in completion. (Note: Submittal of this form is not required if the Contract DBE Goal is 0%)

The undersigned submits the following list of DBEs to be used in accomplishing the work of this contract. The work supplies or services, applicable value and percent of total federal contract each DBE is to perform or furnish is as follows:

(A) DBE Name & Address	(B) Bid Item numbers (Or Line numbers)	(C) \$ Value of DBE of Work ** (Unit Price x Quantity of each item in B, or Lump Sum)	(D) % Of \$ Value Applicable to DBE Goal ** (100%, 60%)	(E) \$ Amount Applicable to DBE Goal for each item (C x D)	(F) % Of Total Contract Amount for each item (E/Total Contract Amount)
1.					
		Total		Total	Total
2.					
		Total		Total	Total
3.					
		Total		Total	Total
4.					
		Total		Total	Total
Total DBE Participation					

\*\* Cannot exceed contract amount for given item of work.

**DBE Submittal**

(A) DBE Name & Address	(B) Bid Item numbers	(C) \$ Value of DBE of Work **  (Unit Price x Quantity of each item in B, or Lump Sum)	(D) % Of \$ Value Applicable to DBE Goal **  (100%, 60%)	(E) \$ Amount Applicable to DBE Goal for each item  (C x D)	(F) % Of Total Contract Amount for each item  (E/Total Contract Amount)
Trucking Services  Only used if the DBE owns the trucks or is leasing from a DBE firm			100%		
Trucking Services  Trucks are leased from non-DBE source				Only Include <u>Fees</u> for Trucking Services	
Brokered Services				Only Include <u>Fees</u> for Brokered Services	
Totals (Page 1)					
Totals (Page 2)					
Totals (additional pages if needed)					
Total DBE Participation					

\*\* Cannot exceed contract amount for given item of work.

Company: \_\_\_\_\_ Date: \_\_\_\_\_

By: \_\_\_\_\_ Title: \_\_\_\_\_

# AGREEMENT FORM

THIS AGREEMENT is dated as of \_\_\_\_\_, in the year \_\_\_\_ by and between JEFFERSON COUNTY, MISSOURI (hereinafter called OWNER OR COUNTY) and \_\_\_\_\_ (hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants herein after set forth and in the amount of \_\_\_\_\_, agree as follows:

## ARTICLE 1. WORK

CONTRACTOR shall complete all work as specified or indicated in the Contract Documents for the OLD STATE ROUTE 21 AT EAST / WEST FOUR RIDGE ROAD INTERSECTION IMPROVEMENTS. The work is generally described as follows:

The proposed work includes:

Reconstructing (0.34 Miles of roadway) - 0.18 Miles on Old State Route 21, and 0.16 miles on East and West Four Ridge Road. Right turn / acceleration lanes will be added to the intersection of East and West Four Ridge Road while also providing a new horizontal and vertical alignment. Old State Route 21 will be milled 3-1/2", have multiple concrete base repairs, pavement widening, and constructing A2 Shoulders. Additional improvements include but are not limited to: large and small block MSE retaining walls, 40,000 CY of unclassified excavation, drainage piping and structures, guardrail, bituminous pavement, and striping.

## ARTICLE 2. ENGINEER

The County has designated the Public Works Director, who is hereinafter called ENGINEER and who has the authority assigned to OWNER in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

## ARTICLE 3. CONTRACT TIME

3.1 The work will be completed and ready for final payment in accordance with Section 30 of the General Provisions within **145 Working Days** after the date when the Contract Time commences to run. Allowances will be made for weather conditions and other occurrences beyond the control of the CONTRACTOR.

If the CONTRACTOR is unable to begin work as required, the ENGINEER shall be notified in writing. Unless the ENGINEER gives written approval for a delay in beginning the work, calendar days will begin to be counted for liquidated damages. The count will continue until the CONTRACTOR begins full operation. The count will resume when work is suspended, or full operation is not maintained.

3.2 Liquidated Damages. The Contractor agrees that should he fail to complete work in the time specified or such additional time as may be allowed by the Owner under this contract, the Contractor shall pay the County, not as a penalty but as **liquidated damages**, a sum equal to **Seven Hundred Dollars (\$1,225.00)** for each day, as defined by Sec 108 of the **2018** Edition of the "Missouri Standard Specifications for Highway Construction", elapsing between the expiration of such time limit plus such extensions as may be necessary to cover contingencies beyond the CONTRACTOR'S control and the date of the full completion.

## ARTICLE 4. CONTRACT PRICE

4.1 Owner shall pay Contractor for performance of the work in accordance with the contract documents in current funds.

OLD STATE ROUTE 21 @ FOUR RIDGE ROAD INTERSECTION IMPROVEMENTS - BID TAB					
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
<b>ROADWAY ITEMS</b>					
201-30.00	CLEARING AND GRUBBING	AC	1.0		
202-20.10	REMOVAL OF IMPROVEMENTS	LS	1		
203-50.00	UNCLASSIFIED EXCAVATION	CY	39363		
203-60.00	COMPACTING EMBANKMENT	CY	320		
304-05.04	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY	8273		
310-10.03	GRAVEL (A)	SY	181		
401-01.50	TYPE A2 SHOULDER	SY	1410.8		
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TONS	1486.2		
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE)	TONS	2523.0		
407-10.05	TACK COAT	GAL	750		
502-11.06	CONCRETE PAVEMENT (6 IN. NON-REINF)	SY	21.7		
606-10.61	MGS GUARDRAIL, 8 FT. POST, 6 FT.- 3 IN. SPACING	LF	100		
606-10.80	MGS END ANCHOR	EA	1		
606-30.14	TYPE A CRASHWORTHY END TERMINAL (MASH)	EA	1		
607-10.50	CHAIN-LINK FENCE (RETAINING WALLS)	LF	425		
607-11.02	MODIFIED CONCRETE GUTTER TYPE B	LF	458		
607-99.03	REMOVE AND REPLACE EXISTING FENCE	LF	58		
608-30.08	8 IN. CONCRETE MEDIAN STRIP	SY	94.6		
608-99.05	8 IN. RED STAMPED CONCRETE MEDIAN	SY	43.1		
608-50.07	PAVED APPROACH, 7 IN.	SY	97.7		
609-10.41	CONCRETE GUTTER, TYPE A	LF	9		
609-10.52	CURB AND GUTTER TYPE B	LF	137		
611-30.20	FURNISHING TYPE 2 ROCK BLANKET	CY	106		
611-30.40	PLACING TYPE 2 ROCK BLANKET	CY	106		
612-30.00A	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	EA	1		
613-10.10	FURNISHING AND PLACING CONCRETE MATERIAL FOR PAVEMENT REPAIR	SY	258.1		
613-10.12	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR)	SY	271		
613-10.13	TYPE 1 OR TYPE 5 AGG. BASE (4 IN. THICK) (PAVEMENT REPAIR)	SY	271		
613-10.14	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS)	LF	920		
613-10.15	DOWEL BAR (DRILLING, FURNISHING, AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR	EA	704		
613-99.05	REINFORCEMENT CRACK CONTROL GRID	SY	459.8		
616-10.05	CONSTRUCTION SIGNS	SF	807		
616-10.25	CHANNELIZER (TRIM LINE)	EA	520		
616-10.30	TYPE III MOVABLE BARRICADE	EA	13		
616-10.98A	CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISH	EA	4		
618-10.00	MOBILIZATION	LS	1		
619-10.00	PAVEMENT EDGE TREATMENT	LF	1678		
620-80.64A	TEMPORARY RAISED PAVEMENT MARKERS	EA	172		
622-99.05	COLDMILLING BITUMINOUS PAVEMENT (3 1/2" IN. THICK)	SY	2829		
624-01.03A	PERMANENT EROSION CONTROL GEOTEXTILE	SY	238		
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1		
720-99.04	MECHANICALLY STABILIZED EARTH WALL SYSTEMS (SMALL BLOCK)	SF	251		
720-99.04	MECHANICALLY STABILIZED EARTH WALL SYSTEMS (LARGE BLOCK)	SF	5867		
<b>SUBTOTAL ROADWAY ITEMS</b>					

<b>DRAINAGE ITEMS</b>					
206-30.00	CLASS 3 EXCAVATION	CY	399		
609-70.00	ROCK LINING	CY	12		

726-10.15	15 IN. PIPE GROUP A	LF	236		
726-10.18	18 IN. PIPE GROUP A	LF	51		
726-10.24	24 IN. PIPE GROUP A	LF	192		
731-00.48	PRECAST CONCRETE MANHOLE - 48 IN.	LF	5		
732-06.12A	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EA	7		
732-06.18A	18 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EA	2		
732-06.24A	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EA	1		
732-10.13A	15 IN. OR ALLOWED SUBSTITUTE SAFETY SLOPE END SECTION	EA	1		
732-10.16A	24 IN. OR ALLOWED SUBSTITUTE SAFETY SLOPE END SECTION	EA	5		
				<b>SUBTOTAL DRAINAGE ITEMS</b>	

<b>SIGNING/STRIPING ITEMS:</b>					
620-00.09	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN. WHITE	LF	491		
620-00.15	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	LF	54		
620-00.18	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. YELLOW	LF	43		
620-00.21	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	EA	8		
620-00.24	PREFORMED THERMOPLASTIC PAVMENT MARKING, STRAIGHT ARROW	EA	2		
620-00.42	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES	EA	16		
620-60.00C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	8962		
620-60.01C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	7803		
626-10.00A	BITUMINOUS SHOULDER RUMBLE STRIP	STA	8.7		
903-12.42	36 IN. SURFACE-MOUNT DELINEATOR POST	EA	12		
				<b>SUBTOTAL SIGNING/STRIPING ITEMS</b>	

<b>ROADSIDE ITEMS:</b>					
803-10.00A	SODDING	SY	1794		
804-10.00	TOPSOIL	CY	482		
805-10.00A	SEEDING-COOL SEASON MIXTURES	AC	1.2		
805-99.19	CROWN VETCH SEEDING	AC	1.1		
806-10.05	ROCK DITCH CHECK	LF	281		
806-10.16	SEDIMENT REMOVAL	CY	39		
806-10.19	SILT FENCE	LF	649		
806-41.28	TYPE 1 TURF REINFORCMENT MAT	SY	3751		
				<b>SUBTOTAL ROADSIDE ITEMS</b>	

<b>ADDITIONAL FILL AT GERMAN CULTURAL SOCIETY:</b>					
201-30.00	CLEARING AND GRUBBING	AC	1.5		
203-50.00	UNCLASSIFIED EXCAVATION	CY	350		
203-60.00	COMPACTING EMBANKMENT	CY	33218		
804-10.00	TOPSOIL	CY	448		
805-10.00A	SEEDING-COOL SEASON MIXTURES	AC	1.1		
805-99.19	CROWN VETCH SEEDING	AC	1.1		
806-10.03	SEDIMENT TRAP ROCK	CY	8		
806-10.04	ROCK DITCH CHECK	LF	180		
806-10.16	SEDIMENT REMOVAL	CY	24		
806-10.19	SILT FENCE	LF	2486		
901-99.03	CONDUIT 2 1/2"	LF	300		
				<b>SUBTOTAL ADDITIONAL FILL AT GERMAN CULTURAL SOCIETY</b>	
				<b>PROJECT TOTAL</b>	

## ARTICLE 5. PAYMENT PROCEDURES

Contractor shall submit Application for Payment in accordance with Section 33 of the General Provisions. The Engineer as provided in the General Provisions will process application for Payment.

- 5.1 Progress Payment. Owner will make progress payments per the Contract Bid Price on the basis of the Contractor's Application of Payment as recommended by the Engineer, on or about the First day of each month during the construction as provided below. All progress payments will be on the basis of the Work measured on the job site according to unit of measurement as shown within the job special provisions or Missouri Standard Specifications.
- 5.1.1 The Owner may initiate withholding of retainage as provided by Section 109.9 of the Missouri Standard Specifications for Highway Construction. Release of any retained percentage shall be as provided by Section 109.9.
- 5.1.2 When the Contractor receives any payment from the Owner, the Contractor shall make prompt payment to subcontractors and suppliers as provided by Section 109.13 of the Missouri Standard Specifications for Highway Construction.
- 5.2 Final Payment. Upon final completion and acceptance of the Work in accordance with Section 33 of the General Provisions, Owner shall pay the remainder of the Contract Price as recommended by the ENGINEER.

## ARTICLE 6. CONTRACTOR'S REPRESENTATIONS

In order to induce the County to enter into this Agreement CONTRACTOR makes the following representations:

- 6.1 CONTRACTOR has familiarized himself with the nature and extent of the Contract Documents, Work, locality, and with all local conditions and federal laws, state and local laws, ordinances, rules and regulations that in any manner may affect cost, progress or performance of the Work.
- 6.2 CONTRACTOR has studied carefully all reports of investigations and tests of subsurface and latent physical conditions at the site of otherwise affecting cost, progress or performance of the Work which were relied upon by the ENGINEER in the preparation of the Drawings and Specifications. When the information is available it will either be included in the bid documents or made available at the Jefferson County Department of Public Works for the Contractor's review.
- 6.3 CONTRACTOR has made or caused to be made examinations, investigations and tests and studies of such reports and related data in addition to those referred to in Article 9 as he deems necessary for the performance of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract documents; and no additional examinations, investigations, tests, reports or similar data will be required by CONTRACTOR for such purposes.
- 6.4 CONTRACTOR has correlated the results of all such observations, examinations, investigations, tests, reports and data with the terms and conditions of the Contract Documents.
- 6.5 CONTRACTOR has given ENGINEER written notice of all conflicts, errors or discrepancies that he has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.

## ARTICLE 7. CONTRACT DOCUMENTS

The Contract Documents which comprise the entire agreement between OWNER and CONTRACTOR are attached to this Agreement, made a part hereof and consists of the following:

- 7.1 This Agreement
- 7.2 Exhibits to this Agreement (if any)
- 7.3 Contract Performance and Payment and Materials Bonds, consisting of 3 pages.
- 7.4 Notice of Award
- 7.5 General Provisions (page 1 to 13, inclusive).
- 7.6 Specifications bearing the title PROJECT SPECIFICATIONS FOR OLD STATE ROUTE 21 AT EAST / WEST FOUR RIDGE ROAD INTERSECTION IMPROVEMENTS, STP-5462 (608) and consisting of all pages as listed in the table of contents thereof.
- 7.7 Addenda numbers \_\_\_\_ to \_\_\_\_ , inclusive.
- 7.8 CONTRACTOR'S Bid and all attachments
- 7.9 Documentation submitted by CONTRACTOR prior to Notice of Award
- 7.10 Any Modification, including Change Orders, duly delivered after execution of agreement.

There are no Contract Documents other than those listed above in this Article 7. The Contract Documents may only be altered, amended or repealed by a Modification (as defined in Section 35 of the General Provisions).

## ARTICLE 8. MISCELLANEOUS

- 8.1 Terms used in this Agreement which are defined in Section 1 of the General Provisions shall have the meanings indicated in the General Provisions.
- 8.2 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.
- 8.3 The County and CONTRACTOR each binds himself, his partners, successors, assigns and legal representatives to the other party hereto, his partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in the Contract Documents.

## ARTICLE 9. OTHER PROVISIONS



- 9.1 Access to records. In connection with this Contract the County shall have access to any books, documents, papers, and records of the CONTRACTOR, which are directly pertinent to this project for the purpose of making an audit, examination, excerpts, and transcriptions.
- 9.2 Applicable Laws and Regulations. The CONTRACTOR expressly agrees to comply with all applicable rules and regulations as set forth in the Contract Documents or as may be required by law, and further agrees to submit all certifications, notices, and affirmative action plans as may now or hereafter be required, and to place such conditions and provisions in any and all subcontracts as may be required.
- 9.3 Conflict of Interest. The CONTRACTOR covenants that he or she presently has not interest of any kind and shall not acquire any type of interest, direct or indirect, in the program or any property therein, which would conflict in any manner or degree with the performance of his or her services and obligation hereunder. The CONTRACTOR further covenants that in the performance of this contract, no person known to have any conflicting interest shall be knowingly employed in the performance of this Contract.

#### ARTICLE 10. VENUE

- 10.1 It is agreed by the parties that any action at law, suit in equity, or other judicial proceeding to enforce or construe this Agreement, or regarding its alleged breach, shall be instituted only in the Circuit Court of Jefferson County, Missouri.

IN WITNESS WHEREOF, the parties hereto have signed this agreement in triplicate. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR or by ENGINEER on their behalf.

FOR: JEFFERSON COUNTY, MISSOURI

BY: \_\_\_\_\_  
Dennis J. Gannon, County Executive

APPROVED AS TO FORM

DATE: \_\_\_\_\_

\_\_\_\_\_  
Carl W. Yates III, County Counselor

ATTEST: \_\_\_\_\_  
Ken Waller, County Clerk

\_\_\_\_\_  
DEPUTY CLERK

I hereby certify under section 50.660 RSMo there is either: (1) a balance of funds, otherwise unencumbered, to the credit of the appropriation to which the obligation contained herein is chargeable, and a cash balance otherwise unencumbered, in the treasury, to the credit of the funds from which payment is to be made, each sufficient to meet the obligation contained herein; or (2) bonds or taxes have been authorized by vote of the people and there is a sufficient unencumbered amount of the bonds yet to be sold or of the taxes levied and yet to be collected to meet the obligation in case there is not a sufficient unencumbered cash balance in the treasury.

\_\_\_\_\_  
Kristy Apprill, County Auditor

FOR: \_\_\_\_\_

BY: \_\_\_\_\_ Date: \_\_\_\_\_  
CONTRACTOR

ATTEST: \_\_\_\_\_

SEAL

# CONTRACT PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the Undersigned \_\_\_\_\_

\_\_\_\_\_ of \_\_\_\_\_  
(firm)

\*a (corporation) duly authorized by law to do business as a construction contractor in the (partnership)

State of \_\_\_\_\_ (hereinafter called the "Contractor"), and \_\_\_\_\_

\_\_\_\_\_ (hereinafter called the "Surety"), a corporation

duly authorized to do a Surety business under the laws of the State of Missouri, are held

firmly bound unto Jefferson County, (hereinafter called the "County"), in the penal sum

of \_\_\_\_\_ Dollars (\$\_\_\_\_\_), lawful money of the United States, for the

payment of which to be made unto said County; we bind ourselves, our heirs, executors,

administrators, successors and assigns, jointly and severally, firmly by these presents as

follows:

The conditions of this obligation are such that, whereas on the \_\_\_\_ day

of \_\_\_\_\_, 20\_\_\_\_, the said Principal entered into a written Agreement, which

Agreement is hereby made a part hereof, with the said County for the construction of

\_\_\_\_\_.

NOW THEREFORE, if the said Principal shall faithfully and properly perform the

foregoing Contract according to all the terms thereof, and shall, as soon as the work

contemplated by said contract is completed, pay to the proper parties all amounts due for

all labor and material required by this contract in the construction work, and all insurance

premiums for both compensation and all other kinds of insurance on said work, and for

all labor performed in such work whether by subcontractor or otherwise, then this obligation

shall be void, otherwise it shall remain in full force and effect, and may be sued on for the

use and benefit by any person furnishing material or performing labor, either as an individual or as a subcontractor, for any contractor in the name of said County.

Every Surety on this bond shall be deemed held, any contract on the contrary notwithstanding, to consent without notice.

- a) To the extension of time to the Contractor in which to perform the contract.
- b) To changes in the plans, specifications, amount of work or contract.

IN TESTIMONY WHEREOF, the Parties hereunto have caused the execution hereof in \_\_\_\_\_ original counterparts as of the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
(SEAL)

Attest:

\_\_\_\_\_ By \_\_\_\_\_

\_\_\_\_\_  
(SEAL)

Attest:

\_\_\_\_\_ By \_\_\_\_\_

# PAYMENT AND MATERIALS BOND

KNOW ALL MEN BY THESE PRESENT, that we, \_\_\_\_\_  
Principal and Address

\_\_\_\_\_, as Principal, and \_\_\_\_\_,  
Surety and Address

as Surety, are held and firmly bond unto Jefferson County, Missouri, hereinafter called Obligee,  
in the amount of \$\_\_\_\_\_, for the payment of which we jointly and severally bind ourselves,  
our heirs, executors, administrators, successors, trustees, and assigns firmly by these presents.

WHEREAS, the Principal has entered into a contract with Obligee for

\_\_\_\_\_; and  
describe briefly

WHEREAS, the Obligee requires that the Principal enter into a surety bond satisfying the terms of  
Section 107.170 R.S.Mo.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such, that if the Principal shall pay,  
or cause to be paid in full, the claims of all persons performing labor upon, or furnishing materials to  
be used in, or furnishing appliances, equipment or power contributing to such work under said  
contract, then this obligation shall be void; otherwise to remain in full force and effect. The total  
amount of surety's liability under this bond shall in no event exceed the amount hereof, and in no  
event shall the undertaking hereby be construed to impose liability on the surety beyond that  
required by the terms of Section 107.170 R.S.Mo.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

PRINCIPAL

By \_\_\_\_\_

SURETY

By \_\_\_\_\_

(ACKNOWLEDGMENT FOR PRINCIPAL)  
(ACKNOWLEDGMENT AND POWER OF ATTORNEY FOR SURETY)

## GENERAL PROVISIONS

- 1) **DEFINITIONS:** The following terms as used in these Contract Documents are respectively defined as follows:
- a) "Owner" - A person, firm, corporation, municipality or Government agency, by which the Contract will be awarded. Where ever the Owner is specified, it shall also be construed to mean his authorized representative.
  - b) "Consultant" - The Engineering firm responsible for the preparation of construction plans.
  - c) "Contractor" - The person, firm, or corporation to whom the contract is awarded.
  - d) "Subcontractor" - A person, firm, or corporation, performing any part of the Contractor's obligations hereunder at the site of work excluding, however, the furnishing of standard materials, such as cement, lumber, and other materials not worked to a special design under the plans and specifications for the work.
  - e) "Contract Documents" - The agreement subscribed by the parties, the Invitation to Bidders, Information for Bidders, the Proposal, and the Plans and Specifications.
  - f) "Work" - The furnishing of all labor, materials, equipment and other incidentals necessary or convenient to the successful completion and carrying out of all duties and obligations of the Contractor under the Contract Documents.
  - g) "Days" - Except where otherwise specifically provided in the Contract Documents, calendar days including Sundays and Holidays.
- 2) **NOTICE:** Unless otherwise specified herein, any notice required under the Contract Documents shall be deemed given if deposited in the United States mail, first class postage prepaid. Notice may also be given by hand delivery to the authorized representative
- 3) **INTENT OF THE CONTRACT DOCUMENTS:** The intention of the Contract Documents is to include in the contract price the cost of all labor and materials, water, fuel, tools, plant, equipment, light, transportation and all other expense as may be necessary for the proper execution of the work.

In interpreting the Contract Documents, words describing materials of work which have a well-known technical or trade meaning, unless otherwise specifically defined in the Contract Documents, shall be construed in accordance with such well-known meaning recognized by architects, engineers and the trade.

The work shall be executed in strict conformity with the plans and specifications.

The Contract Documents are complimentary and what is called for by any one shall be as binding as if called for by all. Anything stated in the specifications and not shown in the drawings, or shown in the drawings and not stated in the specifications, shall be of like effect as if shown or stated in both.

- 4) **PLANS / PROJECT SPECIFICATIONS:** Unless otherwise provided in the Contract Documents, the Plans, Project Specifications and subsequent addendums are available; free of charge, as a downloadable file from the Jefferson County website (<http://www.jeffcomo.org/PublicWorksProjects.aspx?nodeID=Purchasing>). The Contractor will be responsible for reproducing the plans necessary to carry out all the work.

In case of discrepancy in the plans, the matter shall be immediately submitted to the Consultant or Owner without whose decision said discrepancy shall not be adjusted by the Contractor, save only at his own risk and expense.

- 5) **SUPERVISION AND PERSONNEL:** The Contractor shall have at the work site at all times a job supervisor. That individual shall be capable of reading and understanding the project plans and specifications, have authority to order materials and equipment, and have authority to execute work as directed by the Owner. The Contractor shall provide the name and phone numbers of the person appointed as job supervisor prior to issuance of notice to proceed.

All workers shall have sufficient skill and experience to properly perform the work assigned to them. The owner may demand the dismissal of any person employed by the contractor in, about or upon the work who engages in misconduct, is incompetent or negligent in the due and proper performance of assigned duties, or who neglects or refuses to comply with any proper directions given. Such person shall not again be employed thereon without the written consent of the owner. Should the contractor continue to employ or re-employ any such person, the owner may suspend the work until the contractor complies with such orders.

- 6) **COMPLIANCE WITH LAWS:** The Contractor shall comply with all laws, ordinances, rules and regulations bearing in the conduct of the work and shall obtain at his expense all permits and licenses necessary for the prosecution of the work.

The Contractor shall be responsible for the payment of all Federal, State, municipal or local taxes, including but not limited to sales and use taxes, applicable to the performance of the contract and shall indemnify and hold harmless the Owner from the consequences of his failure to pay such taxes.

A sales tax exemption for construction materials is allowed by RSMo Section 144.062 RSMo, which applies to contractors for the County. Jefferson County will issue an exemption certificate to the contractors, subcontractors and suppliers for the purchase of materials used in construction.

- 7) **USE OF JOB SITE:** The Contractor shall confine his equipment, apparatus, the storage of materials and operations of his workmen to limits indicated by law, ordinance, permits, easements or plans and shall not encumber the premises with his materials.

The Contractor shall not load or permit any part of any structure to be loaded to the extent that its safety may be endangered.

- 8) **SANITARY PROVISIONS:** The Contractor shall provide and maintain in a neat, sanitary condition such accommodations for the use of his employees as may be necessary to comply with the sanitary requirements of law or ordinance.

- 9) **SURVEYS:** The Contractor shall provide all surveys necessary to the performance of his work. All work shall be done to the lines, grades and elevations shown on the plans. Any work done without being properly located may be ordered removed and replaced at the Contractor's expense.

The Owner or Consultant may, in his sole discretion, check from time to time the reference marks, lines, grades and measurements established by the Contractor but his exercise or failure to exercise such right shall not relieve the Contractor of his obligation under the preceding paragraph.

- 10) **CONDITIONS AT THE SITE:** The Contractor shall make such investigations of conditions above or below the surface of the ground, as he may deem necessary for the proper and timely performance of his work, including but not limited to the making of borings. No oral representations by any persons respecting such conditions shall in any manner be binding upon the Owner or the Consultant.

The Owner may have, for its own use, made borings at or near the site of the work. The boring data, if collected, will be made available to the Contractor, for his own convenience, if he desires to examine it.

Any interpretations or conclusions drawn by the Contractor from such data shall be his own and the Owner makes no representation or guaranty concerning the accuracy or completeness of such data.

- 11) **UTILITIES AND OTHER OBSTRUCTIONS:** It shall be the sole responsibility of the Contractor in the performance of the contract to locate and avoid all utilities, other structures and obstructions whether located below or above the surface of the ground. For that purpose he shall employ all necessary precautions and methods to prevent damage to utilities, other structures and obstructions. In the event such damage does occur, the Contractor shall be solely liable therefore and he shall notify the affected utility and Owner immediately, make or have made all necessary repairs and bear the expense thereof and all damage caused thereby.

If the Contractor finds he cannot safely work at a location designated in the plans and specifications, either because of utilities, other structures or obstructions that may be damaged, he shall notify the Owner immediately.

Certain information relating to piping and underground utilities and structures, such as gas mains, water mains, and electric duct lines, has been gathered by the Consultant for its purposes and has been shown on the plans for the convenience of the Contractor and for such use as he may, at his own risk, desire to make of it. Any interpretations or conclusions drawn by the Contractor from such data on the plans shall be his own and the Owner and the Consultant makes no representations or guaranty concerning the accuracy or completeness of such data.

- 12) **STRUCTURES ENCOUNTERED AND PROTECTION OF LIFE AND PROPERTY:** The Contractor shall, at his own expense, support and protect all buildings, bridges, conduits, wires, water pipes, sewers, pavements, curbing, sidewalks, equipment and fixtures of all kinds and all other public or private property that may be encountered or endangered in the execution of the work herein contemplated. He shall replace, repair or to otherwise make good any damage caused to any such property to the satisfaction of the Owner thereof.

In the event the Contractor does not perform his obligations under the preceding paragraph, the Owner reserves the right at its election to make good any damage to public or private property caused by the work of the Contractor and the cost thereof shall be borne by the Contractor.

In the event the Contractor refuses or fails to pay bills therefore upon presentation, the Owner may pursue any remedies available to it or may deduct the amount thereof from any money that may be due the Contractor hereunder from time to time.

Throughout the performance of the work, the Contractor shall construct and adequately maintain suitable and safe crossings over the trenches, and such detours as are necessary to care for the public and private traffic. The material excavated from trenches shall be deposited in such manner as shall give as little inconvenience as possible to the traveling public, to adjoining property owners, to other contractors or to the Owner.

The Contractor at his own expense shall provide the necessary watchmen and sufficient warning lights and barricades and take such other precautions as are necessary to protect life and property.

The Contractor shall provide watchmen or additional watchmen at any point where they may be requested by the proper official of any municipality or governmental body affected.

Nothing in this section shall be construed as requiring the Contractor to provide a road patrol.

- 13) PROTECTION OF WORK:** The Contractor shall provide proper facilities, take all necessary precautions and assume the entire cost for protecting the work against adverse weather conditions and for handling all storm and flood water, sewage, seepage, ice or snow that may be encountered during the performance of the contract and the manner for providing for such contingencies and for carrying on the work in freezing weather shall meet with the approval of the Owner. If the Contractor shall fail to provide such protection or in the event of emergencies, the Owner may provide such protection at the Contractor's expense.

The contractor assumes all risk of damage to or destruction of the work covered by this contract until the work is completed and accepted by the Owner and shall repair or replace at his expense any work damaged or destroyed prior to such completion and acceptance regardless of cause.

- 14) ACCIDENT PREVENTION:** Precaution shall be exercised at all times for the protection of persons (including employees) and property. The safety provisions of applicable laws and building and construction codes shall be observed.

- 15) BLASTING:** The Contractor shall comply with all Federal, State, County and municipal laws, rules and regulations applicable to the transportation, storage or use of explosives.

The Contractor shall assume all responsibility for any injury or damage that may be done during the transportation, storage or use of any explosives.

- 16) OTHER CONTRACTS:** The Owner may award other contracts for additional work, and the Contractor shall fully cooperate with such other contractors, and carefully schedule and fit his own work to that work provided under the other contract. The Contractor shall not commit or permit any act, which will interfere with the performance of work by any other contractor.

- 17) CUTTING AND PATCHING:** The Contractor shall do all cutting, fitting, or patching of his work that may be required to make its several parts connect with the work of other contractors shown upon, or reasonably implied by the plans and specifications. The Contractor shall not endanger any work by cutting, digging, or otherwise, and shall not cut or alter the work of any other contractor.

- 18) CLEANING UP:** The Contractor shall at all times keep the premises free from accumulation of waste material of rubbish and at the completion of the work shall remove from and about the site all his rubbish, tools, equipment, scaffolding and surplus materials and shall leave his work clean and ready for use.

- 19) SURVEILLANCE:** The Contractor shall provide safe, sufficient and proper facilities at all times for the surveillance of work by the Consultant, the Owner, the Missouri Department of Transportation, the Federal Highway Administration, or any other governmental agency, it being agreed that these agencies have the right of entry.

The Contractor shall within 24 hours after receiving written notice from the Owner proceed to remove all materials rejected by the Owner, whether worked or unworked, and take down all portions of the work, which shall be considered as unsound or improper, or in any way failing to conform to the plans and specifications.

Should it be considered necessary or advisable by the Owner at any time before acceptance of the entire work to make an examination of work already completed by removing or tearing out same, the Contractor shall, on written request, promptly furnish all necessary facilities, labor, and material for that purpose. If such work is found to be defective or nonconforming in any material respect, due to the fault of the Contractor or his subcontractors, he shall defray all the expenses of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the contract, an equitable adjustment shall be made in the contract price to compensate the Contractor for the additional services involved in such examination and



reconstruction and, if completion of the work has been delayed thereby, he shall, in addition, be granted a suitable extension of time.

Unless otherwise provided in this contract, acceptance by the Owner shall be made as promptly as practicable after completion of all work required by this contract. Acceptance shall be final and conclusive except as regards latent defects, fraud, or gross mistakes as may amount to fraud, or as regards the Owner's rights under any warranty or guarantee.

- 20) MATERIALS AND WORKMANSHIP:** Unless otherwise stipulated in the specifications, all workmanship, equipment, materials and articles incorporated in the work covered by this contract are to be new and of the best grade of their respective kinds for the purpose. When required by the plans and specifications, the Contractor shall furnish the Owner or Consultant, for approval, certified copies of test results made of the materials or articles, which he contemplates incorporating in the work. Samples of materials shall be submitted for approval when so directed. Machinery, equipment, materials and articles installed or used without such approval shall be at the risk of subsequent rejection.

If not otherwise provided, material or work called for in this contract shall be furnished and performed in accordance with established practice and standards recognized by architects, engineers and the trade.

- 21) COOPERATION WITH UTILITIES:** All utility facilities and appurtenances within the project limits shall be located or relocated by the utility owner, unless otherwise specified. Locations of these utilities will be provided by the utility owners and may not be exact, particularly with regard to underground installations. The contractor shall call for locates prior to the start of any work.

The contractor shall lead the efforts to coordinate with utility owners and the engineer in the location and relocation of utility facilities to minimize effects upon the contractor's work, interruption to utility service and duplication of work by the utility owners. Facilities or appurtenances that are to remain in place during construction shall be accounted for and protected by the contractor's work procedures.

In the event utility services are interrupted as a result of damage within the project limits, the contractor shall notify the appropriate utility authorities and cooperate with the utility owners until service has been restored. Work shall not begin around fire hydrants until provisions for continued service have been made and approved by the local fire authority.

When the failure of the owners of utility facilities to cooperate and coordinate their work with that of the contractor results in actual delay to the contractor in the overall completion of the contractor's work, such delay will be considered in the count of working days or date specified for completion as contractor's sole compensation from the County, provided the contractor notified the engineer in writing of the delay at the time the delay occurred.

The contractor shall use every precaution to prevent damage to all public and private utilities. Repairs to damaged utilities caused by negligent or wrongful acts or omissions on the part of the contractor shall be corrected at the contractor's expense. Damaged facilities shall be restored to a condition similar or equal to that existing before the damage occurred. The utility will designate who shall repair the damaged facility and the contractor shall not make repairs without utility approval.

Should there be located within the right of way any public or private utility facilities that are to remain in place and which will interfere with the contractor's proposed methods of operation, the contractor, in cooperation with the engineer, shall make all necessary arrangements with the owner for any temporary or permanent removal or relocation of such facilities desired for the contractor's convenience. Any cost involved shall be at the contractor's expense.

If utility facilities or appurtenances are found that are not noted in the contract documents and could not be discovered in accordance with [Sec 102.5 of the Missouri Standard Specifications](#), the engineer shall be notified in writing as soon as possible of the conflict and will determine whether relocation of the utility is necessary to accommodate construction. If relocation is necessary, the contractor will make the necessary arrangements with the utility owner. Compensation for the relocation of utilities will be worked out between the County and the utility owner prior to the relocation of any utility. No additional compensation will be made to the contractor for coordinating the location and/or relocation of utilities.

- 22) "OR EQUAL CLAUSE":** Whenever, in these specifications or in any of the Contract Documents, any article, appliance, device or material is designated by a manufacturer's or vendor's or proprietary or trade name and such words are not followed by the condition "or equal", it shall be deemed that the words "or equal" do follow such designation unless the text clearly requires a contrary interpretation. Any article or material equaling the standards fixed may be used in place of that specifically mentioned by the specifications, provided that the material proposed is first submitted to and approved by the Owner or Consultant.

If by reason of the unavailability of material or equipment, a substitute item of material or equipment is approved by the Owner or Consultant, the Owner shall receive the benefit of any economy resulting from the substitution.

- 23) **SUBLETTING OR ASSIGNING THE CONTRACT:** The bidder is specifically advised that any person, firm or other party to whom it is proposed to award a subcontract under this contract must be acceptable to the County.

Second tier subcontracting will not be permitted on this project. It will be the responsibility of the Contractor to insure that his subcontractors do not, in turn, subcontract any portion of the work.

The Contractor shall furnish to the County a signed copy of all subcontracts at or before the pre-construction meeting. This applies to Federal and local projects.

The Prime Contractor must be on MoDOT's approved Contractor Listing unless otherwise stipulated in the contract. The Prime Contractor must also perform with its own organization, contract work amounting to not less than 30% of the total original contract price. This applies to Federal and local projects.

- 24) **WARRANTIES AND GUARANTEES:** Clauses that require the contractor to guarantee materials and workmanship and otherwise maintain the work for a specified period after satisfactory completion and final acceptance will not be approved. This is not even permissible as a non-participating bid item.

Routine warranties or guarantees provided by a manufacturer are valid. Contractors' warranties or guarantees providing for satisfactory in-service operation of mechanical and electrical equipment and relates components for a period not to exceed six (6) months following project acceptance are permissible

- 25) **INSPECTION BY JEFFERSON COUNTY, MoDOT and FHWA:** The Contractor shall assure that representatives of the County, MoDOT, and FHWA shall have the opportunity at any time to inspect and review the work done by the Contractor and his subcontractors on this project and shall grant them access to all parts of the work.

- 26) **MATERIAL TESTING:** All project sampling and testing of materials shall be performed by the County or by a consultant employed by the County. The Contractor shall assure that representatives of the County, consultants employed by the County, or MoDOT, has the opportunity to sample and test materials used on this project. Acceptance testing specified to be conducted by LPA or Consultant hired by LPA. Inspector must be MoDOT Certified (EPG 136.11.17.1 and EPG 106.18). Costs associated with providing the sample materials shall be incidental to the cost of the project.

- 27) **TRAFFIC CONTROL:** The Traffic Control Plan for overlay projects must follow the Federal Highway Administration's Manual On Uniform Traffic Control Devices (MUTCD 2009 including revision 1 and 2, May 2012) for all traffic control operations. The Traffic Control Plan for other projects shall also follow the MUTCD guidelines and any detailed requirements shown on the plans and/or job special provisions.

- 28) **STORM WATER POLLUTION PREVENTION PLAN (SWPPP):** The County's Storm Water Pollution Prevention Plan will be as stated in this General Provision and/or as shown on the plans.

The primary purpose of this plan is to protect the public and waterways from the adverse effects of construction.

For all of Jefferson County projects, the County's "Erosion and Sediment Control/Storm Water Management Design Manual" shall be followed. A copy of that manual is available on the Jefferson County website at:

<http://www.jeffcomo.org/StormwaterErosion.aspx?nodeID=StormwaterDivision>

For projects without a drawing showing erosion and sediment control measures, the Engineer or his representative will direct what measures are to be used and where they will be placed. Pay items for these measures will be in the table of "ESTIMATED QUANTITIES". Any measures not covered by a pay item or not specifically addressed on the Plans or Specifications will be by negotiated price.

Maintenance of any item utilized, will be considered incidental to that pay item. Maintenance shall be considered as the repair or replacement of any measure paid for, but not properly functioning before final acceptance of the project. Maintenance shall take place at the time as directed by the Engineer.

Concrete wash down pits shall be utilized for the washing of all concrete trucks. The pits shall be of adequate size to handle all wash down water. The pits shall be lined with a plastic liner (10 mil minimum) to prevent the seepage of the water into the adjoining ground. Berms may be necessary to prevent the migration of any splash water into the streams. The hardened waste from the wash down pits shall be removed and broken into pieces no larger than one cubic foot. The waste concrete pieces may be used as revetment, but will not be considered in measurement for payment. The cost of the wash down pits, berms and disposal shall be incidental to the cost of the concrete.

Any spillage of hazardous waste shall be cleaned up by the Contractor at no additional cost to the Owner. Measures shall be taken to ensure that no hazardous waste reaches a stream or adjoining property.

Any fines assessed for not following the SWPPP, will be the sole responsibility of the Contractor. If the Owner is fined by a State or Federal agency, liquidated damages in the amount of the fine will be charged to the Contractor by the Owner. Contractor agrees that it shall remit payment for said liquidated damages immediately upon request by Owner. Failure to do so may, at the Owner's option, be considered a breach of contract thereby entitling Owner to such other damages as may result. These damages shall be in addition to the liquidated damages described in this paragraph.

**29) SCHEDULE AND PROGRESS REPORTS:** The Contractor shall, within 15 calendar days after date of notice to proceed, submit to the Owner five copies of a diagram covering operations in the work for the County's review and approval subject to update. The diagram will be used as a basis for review of monthly progress reports until the project is completed. At the request of the Owner, the diagram may be updated to demonstrate actual progress.

**30) TIME OF COMPLETION AND LIQUIDATED DAMAGES:** The parties recognize that time is of the essence of this contract and, after the Contractor receives notice to proceed from the Owner, the work to be performed hereunder shall be commenced and shall be completed within the respective number of days specified in the proposal.

If the Contractor fails to complete the work within the time specified, or any extension thereof granted hereunder, the Contractor should pay the Owner the sum specified in the Contract for each day, as defined by Sec 108 of the **2018** Edition of the "Missouri Standard Specifications for Highway Construction", the Contractor is in default. It is agreed that said daily sum is to be paid, not as a penalty, but as compensation to the Owner as liquidated damages for loss which the Owner will suffer because of such default through increased administrative and engineering costs and other tangible and intangible costs. Such damages may be at the Owner's option, be deducted from any monies held by it which are payable to the Contractor.

The completion of the work included under this Contract is defined for purposes of determining liquidated damages, as that time when all of the structures and appurtenances have been completed and tested and are, in the opinion of the Owner, ready for continuous permanent use and occupancy for the purposes intended, which includes all grading, cleaning up, or other minor work which is required to provide a completed project in accordance with the plans and specifications. The date shall be the date of a letter from the Owner to the Contractor indicating substantial completion or final acceptance.

**31) EXTENSION OF TIME:** The Contractor shall not be entitled to any extension of time for completion of the work as herein above specified unless the Contractor, within 10 days from the beginning of any delay, notifies the Owner in writing of such delay and the cause thereof and the Owner shall determine:

- a. That such delay arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to, acts of God, acts of public enemy, acts of Government in either its sovereign or contractual capacity, acts of another contractor in the performance of a contract with the Owner, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather, or delays of subcontractors arising from such unforeseeable causes beyond the control and without the fault or negligence of both the Contractor and such subcontractors; and
- b. That the Contractor cannot complete the work within the time specified solely by reason of such causes.

The Owner shall make a determination as soon as practicable after the Contractor's notice is received and shall decide the amount of additional time, if any, for completion of the work which conditions justify. Any time extensions will require approval of the Missouri Highway and Transportation Department and the Federal Highway Administration, as well as the Owner.

**32) FORFEITURE OF CONTRACT:** Should the Contractor at any time refuse, neglect or fail to supply a sufficient number of properly skilled workmen or sufficient equipment or materials of the proper quality, or execute the work with diligence and in accordance with approved schedules, or fail in the performance of any of the covenants herein contained, the Owner may, after three days written notice to the Contractor and his bonding company, provide any such labor, equipment or materials and deduct the cost thereof from any money then due or thereafter to become due to the Contractor under this contract.

Alternatively, the Owner, may after ten days written notice to the Contractor and his bonding company, terminate the employment of the Contractor for said works and enter upon the premises and take possession of all materials, tools and equipment thereon and finish or contract with others to finish the work. The Owner and such others may use such materials, tools and equipment to finish the work. The Contractor shall not be entitled to rental or other compensation for the use of his construction tools and equipment, but shall only be entitled to the return thereof in the condition existing when possession was taken, ordinary wear and tear excepted. In case of such discontinuance of the employment of the Contractor, the Contractor shall not be entitled to receive any further

payment under this Contract until the said work shall be wholly finished, at which time, if the unpaid balance of the amount to be paid under this contract shall exceed the expenses incurred by the Owner to the Contractor, but if such expenses shall exceed such unpaid balance, the Contractor shall pay the difference from money then due or thereafter to become due to the Contractor under this contract. The expense incurred by the Owner as here provided for finishing the work and its cost incurred through such default shall be certified by the Consultant, whose certificate thereof shall be conclusive and binding upon the parties. The remedies of the Owner under this Article are exclusive of and in addition to any other contained in this contract, the Contractor's bonds, or provided by law.

- 33) **PAYMENTS:** The Contractor shall receive as full compensation for all work hereunder a sum equal to the value of the work done based in his proposal, attached hereto and made a part of this contract.

Payment shall be made to the Contractor monthly, based upon the approved pay request. The **final payment** shall be paid to the Contractor, subject to approval of the final change order, within 30 days after completion and acceptance of the entire work herein contracted for, and upon receipt by the County, and approval of, all final documentation. Final documentation shall include:

- **Affidavit of Compliance** form for Prevailing Wage (PW-4),
- Contractor's certification regarding settlement of claims
- Contractor's Final Pay Request,
- Letter from contractor stating the amount for completion of project,
- Contractor's Final Lien Waiver, Final Lien Waivers from DBE subcontractors, the release by materials suppliers and subcontractors of having received full payment
- all certified payrolls from contractors and subcontractors,
- Contractor's certification showing DBE's used, type of work performed, final payment amount and proof of the meeting of DBE goals,
- All Material certifications as noted in the bidding documents.

By the 15th of each month the Contractor shall submit to the Owner an invoice containing an estimate of the percentage of the total work under the contract accomplished to the end of such month. The invoice shall be in such form and detail as required by the Owner.

The requirements set forth in Section 109 of the Missouri Standard Specifications For Highway Construction for payments, retained percentage, release of retained percentage, prompt payment to subcontractors and suppliers and final payment shall apply to all contracts where the Federal Government is participating in the cost of construction.

- 34) **PAYMENTS NO EVIDENCE OF PERFORMANCE:** No certificate for payment made under this contract except the final certificate of final payment, shall be evidence of the performance of this contract, either wholly or in part. No Payment shall be construed to be an acceptance of defective work or improper materials.

- 35) **CHANGES:** The Owner and/or the Consultant shall have the right to make changes within the scope of the work or change the quantities of the work to be performed. No such change shall be valid unless made in writing by the Owner or Consultant, and for all Federal Aid Contracts such changes shall first be approved by both the Missouri Highway and Transportation Department and the Federal Highway Administration.

In the event such changes cause an increase or decrease in the Contractor's cost of or time required for performance of the contract, the contract price and/or period of performance shall be equitably adjusted; provided, the increase or decrease in the amount of the work for which unit prices apply under the specifications shall be computed by multiplying the change in quantities (measured as provided in the contract documents) of such work by such contract prices.

In the absence of a bid price for a given item of work not provided for nor fairly included in the bid prices for other items of work, a written agreement may be made between the Owner and the Contractor to be included in the written order for such extra work.

Whenever the Contractor and the Owner are unable to agree on prices for extra work and the Owner directly or acting through the Consultant orders the Contractor to proceed with the work by force account, the work will be paid for in the manner herein described and the compensation thus provided shall constitute full payment for said work. Payment will be determined as follows:

For all materials purchased by the Contractor and used in the force account work, he will be paid the actual cost of such materials, including sales taxes if required, and freight and delivery charges as shown by original receipted bills, to which will be added an amount equal to 15 percent of the sum thereof. The Owner or Consultant, however, reserves the right to approve or to reject the materials to be used and the sources of supply of any materials furnished by the Contractor.

For all equipment and machinery used in the force account work, the Contractor will be paid reasonable operated and maintained



rental prices to which no percentages will be added.

The Contractor will be paid the cost of wages for all labor while engaged in the force account plus the actual cost chargeable to the force account work of workmen's compensation insurance, social security taxes, unemployment compensation insurance and such additional amounts as are paid by the Contractor by reason of an employment contract generally applicable to his employees, to which total sum will be added an amount equal to 15 percent of wages and other costs listed above. In evidence of the costs of labor, equipment and materials for which payment is to be made under the force account order; the Contractor shall provide a certified statement of wages actually paid, together with copies of supporting payrolls, of equipment rental charges, and of bills for materials.

Wage rates used in determining the amount of the payment will be the actual wage rates paid by the Contractor for work under this contract, except that no rate used shall exceed the rate of comparable labor currently employed on the project.

Payment for services of foremen in direct charge of the specific operation will be made. Payment for the services of superintendents, timekeepers or other overhead personnel will not be made nor will payment for services of watchmen be made unless required specifically by the force account work. The actual function performed by an employee rather than his payroll title will be the criterion used in determining the eligibility of an employee's services for payment under this provision.

The types and amounts of equipment and machinery used by the Contractor in carrying out his work under the force account order shall be in keeping with normal practice for work of a similar nature, except that the Owner or Consultant may, at his discretion, limit by specific instruction the type and amounts of equipment and machinery to be used.

In computing the hourly rental of such equipment, less than 30 minutes shall be considered ½ hour, except when the minimum rental to be paid shall be one hour. Rental time will not be allowed while equipment is inoperative due to breakdowns. The rental time of equipment to be paid for shall be the time the equipment is in operation on the force account work being performed, and, in addition, shall include the time required to move the equipment to the work and return it to its original location. When approved in advance by the Owner or Consultant, towing or transporting costs will be allowed when the equipment is moved by means other than its own power. No payment will be made for moving time, towing or transporting the equipment if it is used at the site of the work on other than force account work. No payment will be allowed for the use of small tools and minor items of equipment, which, as used herein, are defined as individual tools or pieces of equipment having a replacement value of \$50.00 each or less.

For additional premiums paid on Performance and Labor and Materials Bonds by reason of increases in the account of work over and above that called for in the original contract due to the inclusion of the force account work, and for additional premiums paid on Public Liability and Property Damage Insurance by reason of extra hazard inherent in the force account work of the type called for in the original contract, the Contractor will, on presentation of substantiating evidence from his bonding and insurance carriers, be paid the actual costs of the increase in premium, to which no percentages will be added. Payment for the cost of additional premiums paid on Workmen's Compensation Insurance by reason of extra hazard introduced into the Contractor's operations by the inclusion of force account work is covered by the provisions above, except that any claim for additional cost based on the application, by reason of extra hazard, of a higher insurance rate to any portion of the payroll over and above that chargeable to the force account work under the provisions above, must be substantiated by evidence from the Contractor's insurance carrier.

The Contractor and Owner shall compare records of the work performed on a force account basis at the end of each day. These records shall be prepared in triplicate by the Contractor and shall be signed by both the Owner and the Contractor's representative, one copy being retained by the Contractor and two copies retained by the Owner. Payment for force account work will be included in monthly progress payments.

- 36) LIENS AND CLAIMS:** In addition to other remedies available the Owner hereunder, in all cases of non-payment by the Contractor or a subcontractor of any sums of money due for labor, materials, supplies, equipment or other items in performing in this contract, or if at any time there should be evidence of a lien or claim chargeable to the Contractor or a subcontractor for which, if established, the Owner might become liable, the Owner is hereby authorized and empowered to retain out of any payment then due or thereafter to become due to the Contractor, an amount sufficient to indemnify the Owner against any such lien or claim.

Alternatively, without limiting other remedies and rights of the Owner under the Contract, under the Contractor's bonds or under the law, the Owner may withhold, in addition to the 10 percent retention, a sufficient amount of payments otherwise due to the Contractor to cover payments that may be past due and payable by the Contractor or his subcontractors or suppliers for just claims for labor or materials furnished in and about the performance of the work under this contract and for failure of the Contractor to make proper payments to his subcontractors. The Owner shall disburse and shall have the right to act as agent for the Contractor in disbursing such funds as have been withheld pursuant to this paragraph to the party or parties who are entitled to payment therefrom. The Owner will render the Contractor a proper accounting of all such funds disbursed in behalf of the Contractor.

Final payment nor any part of the retained percentage shall become due until the Contractor shall deliver to the Owner a complete waiver or release by himself and his subcontractors and others of all liens and claims arising out of the work, or receipts in full lieu

thereof, and if required, an affidavit that so far as he has knowledge or information the releases and receipts include all the labor and materials for which a lien could be filed.

- 37) **RESPONSIBILITY:** Nothing in the Contract Documents shall be construed as placing the work under the specific direction or supervision of the Owner or the Consultant or relieving the Contractor from his liability as an independent contractor and, as such, he shall perform his work, including, but not limited to, supervision and control of his own personnel and scheduling of the work as required to ensure its proper and timely performance, and he shall be solely responsible for the exercise of due care to prevent bodily injury and damage to property in the execution of the work.

The Owner or Consultant shall have the right of entry to the site for the purpose of verifying compliance with the plans and specifications.

- 38) **INDEMNIFICATIONS AND INSURANCE:** The county requires a current and valid certificate of insurance or binder showing required insurance coverage must be provided with each bid. Jefferson county must be added as an additional insured after award of the bid. Any lapse in insurance coverage or cancellation thereof by the contractor or sub-contractors during the terms of the contract shall immediately be deemed a material breach under the terms of any contract.

**Responsibility for Claims for Damage or Injury:**

The Contractor and surety shall indemnify and save harmless the County, and its members, agents and employees from all claims or suits made or brought for personal injury, death or property damage, caused or contributed to be caused by:

- (a) The negligence of the contractor, subcontractors, suppliers or their respective officers, agents or employees;
- (b) The creation or maintenance of a dangerous condition of or on the County's property or right of way, which condition occurred at least in part due to the acts or omissions of the contractor, subcontractors, suppliers or their respective officers, agents or employees; or
- (c) The failure of the contractor, subcontractors, suppliers of their respective officers, agents or employees, to perform the work in accordance with the plans and specifications.

Neither the County nor the Contractor, by execution of a contract, shall intend to or create a new or enlarge an existing cause of action in any third party. This provision shall not be interpreted to create any new liability which does not exist under the statutory limited waiver of sovereign immunity, or to waive or extinguish any defense which either party to this contract or their respective agents and employees may have to an action or suit by a third party.

**Contractor's Responsibility for Work:** Until the County accepts the work, it shall be in the custody and under the charge and care of the Contractor. The Contractor shall restore and replace, at the Contractor's expense, any lost or stolen County-owned material in the Contractor's custody or control. Damages to any portion of the work before its completion and acceptance, caused by the action of the elements or from any other reason, shall be restored or replaced at the Contractor's expense. Issuance of a payment estimate on any part of the work done will not be considered as final acceptance of any work completed up to that time. The County may, in its discretion, make such adjustments as it considers being proper for damage to the work due to unforeseeable causes beyond the control of, and without fault or negligence on the part of the Contractor.

**Liability Insurance Requirements:** The Contractor shall procure and maintain at its own expense, until acceptance of the project by the County, liability insurance for all damages and losses imposed by law and assumed under the contract, of the kinds and in the amounts specified in the relevant sections shown herein. Before the Contractor commences the work, the Contractor shall require the insurance company or companies to furnish to the County evidence of such insurance showing compliance with these specifications. All insurance required herein shall be occurrence policies in a form acceptable to the County and shall remain in force until all work required to be performed under the terms of the contract is satisfactorily completed as evidenced by its formal acceptance by the County.

Each policy or its declaration pages shall provide that the policy shall not be materially changed or canceled until the County has been given at least 30 days advance notice in writing. If any policy is canceled before the contract work is complete, a satisfactory replacement policy must be in force, with notice and evidence of insurance submitted to the County, prior to the effective date of cancellation of the former policy. All evidence of insurance and notices shall be submitted to: Public Works Director, Jefferson County Department of Public Works, 725 Maple Street, PO Box 100, Hillsboro, Missouri 63050. **Upon request the Contractor shall furnish the County with a complete copy of the policy prior to the time the Contractor commences work on the site of the project.** Failure to furnish evidence of proper insurance, or complete insurance policies will result in temporary suspension of work and may result in other claims or actions for breach of contract or otherwise, as may be recognized at law or in equity.

**Comprehensive General Liability Insurance:** The Vendor/Contractor shall maintain and keep in full force and effect during the terms of this Contract such comprehensive general liability insurance as shall protect them from claims which may arise from operations under this Contract, whether such operations be by themselves or by anyone directly or indirectly employed by them. The amounts of insurance shall be not less than \$1,000,000.00 combined single limit for any one occurrence covering both bodily injury and property damage, including accidental death.

**Workers' Compensation Liability Insurance:** The Contractor shall furnish evidence to the County that, with respect to the operations it performs, it carries workers' compensation insurance, or is qualified as self-insured, sufficient to comply with all its obligations under state laws relating to worker's compensation. The Contractor shall also require each subcontractor on the project to furnish the same evidence to the County. This evidence shall be furnished to and approved by the County prior to the time the Contractor or the subcontractor commences work on the site of the project. The Vendor/Contractor or his sub-contractor or contractors, shall maintain and keep in force of this Contract such worker's compensation insurance limits as required by the statutes of the State of Missouri and Employer's Liability with limits no less than \$500,000.00. **Worker's Compensation Liability Insurance shall be submitted with the bid.**

**Commercial General Liability Insurance:** The Contractor shall obtain one or more occurrence-based policies of commercial general liability insurance (Form CG 00 01 or equivalent), which provide coverage for the contract work. The minimum limits of liability for commercial general liability insurance shall be: \$1,000,000 each bodily injury or property damage occurrence, combined single limit, \$2,000,000 general aggregate with a per project endorsement and \$1,000,000 products/completed operations aggregate. Each such policy shall be endorsed so as to cover liability arising from blasting if applicable, other inherently dangerous activities and underground property damage. Each such policy shall be endorsed to include broad form general liability, contractual liability and completed operations coverage. **Commercial General Liability Insurance shall be submitted with the bid.**

**Commercial Auto Liability Insurance:** The Contractor shall obtain one or more occurrence-based policies of auto liability insurance, which provide for its owned, non-owned and hired vehicles of every type and description, which are used in the contract work. The minimum limits of liability for such insurance shall be \$1,000,000 combined single limit. **Commercial Auto Liability Insurance shall be submitted with the bid.**

**Additional Insureds:** Each such policy of commercial general liability insurance shall name the County of Jefferson and its employees as additional insureds. Each commercial general liability insurance policy shall also contain a separation of insureds condition. The insurance afforded by the Contractor shall be primary insurance.

**Subcontractor's Coverage:** If any part of the contract is subcontracted, each subcontractor, or the Contractor on behalf of the subcontractor, shall obtain the same commercial general liability insurance and commercial automobile liability insurance coverage. The commercial general liability insurance shall name the same entities specified above as additional insureds, and shall have the same separation of insureds conditions.

**Railroad Protective Liability Insurance:** In addition to other required liability insurance, the Contractor shall provide railroad protective liability insurance if applicable, for and in behalf of the railroad as outlined in provisions for each project. The insurance policy shall be submitted to the County in original and duplicate for approval. No work will be permitted on the railroad right of way until such approval is granted.

**Insurance with Other Than Missouri Companies:** Any insurance policy required as specified above, if written by an insurance company organized in a state other than Missouri, shall be signed by an agent or broker licensed by the State of Missouri. In the case of policies written by companies organized in a state other than Missouri, the evidence of insurance submitted as authorized in the contract shall be signed by an agent or broker licensed by the State of Missouri. Nothing in this provision limits or waives the requirement that each insurance policy must be issued by a company authorized to issue such insurance in Missouri.

**Third Party Liability:** Neither the State of Missouri, Jefferson County, Missouri nor the Contractor, by execution of the contract including these specifications, intend to create a right of action in a third party beneficiary except as specifically set out in these specifications and the contract. It is not intended by any required contractual liability in the contract or in these specifications that any third party beneficiary has a cause of action arising out of the condition of the project when completed in accordance with the plans and accepted by the County.

**Personal Liability of Public Officials:** There shall be no personal liability upon the County, or any member, employee or agent of the County in carrying out any of the provisions of the contract or in exercising any power or authority granted to them, it being understood that in such matters they act as agents and representatives of the County, with official and public duty doctrine immunity. If any provision of the contract appears to impose a duty on such an individual, the duty remains exclusively that of the County and is not a personal duty or obligation of the individual.

**Professional Liability Insurance:** The Vendor/Contractor shall provide the County with proof of Professional Liability Insurance, which shall protect the County against any and all claims, which might arise as a result of the operation of the Vendor/Contractor in fulfilling the terms of this Contract during the life of the Contract. The minimum amounts of such insurance will be \$1,000,000.00. Should any work be subcontracted, these limits will also apply.

- 39) **BOND:** The Contractor at his expense shall, before commencing work hereunder, procure and deliver to the Owner a Performance Bond and a Labor and Materials Payment Bond in the amount of 100% of the contract as awarded, as security for the faithful performance of the contract and the payment of all obligations thereunder by the Contractor and his subcontractors. The Bonds shall be written in such form as may be satisfactory to the Owner and provided by a guaranty or surety company listed in the latest issue of U.S. Treasury Circular 570 and the penal sum shall be within the maximum specified for such company in said Circular 570. In substance, the condition of the obligation under said bond or bonds shall be as follows:

“The condition of this obligation is such that if the above bound Principal shall in all respects comply with the terms and conditions of said contract and his obligations thereunder, including the specifications and plans referred to therein, and such changes and alterations as may be made in said contract, specifications and plans and shall indemnify and save harmless the Owner against or from all costs, expenses, damages, injuries or losses to which the said Owner may be subjected by reason of any wrongdoing, misconduct, want of care or skill, negligence or default on the part of said Principal, his subcontractors, officers, agents or employees, in the execution of performance of said contract and shall promptly pay all just claims for damages for injury to property and for labor, equipment, materials and supplies incorporated in the work or consumed in the performance thereof incurred by said Principal, his subcontractors, officers, agents or employees, in or about the construction or improvement contracted for, then this obligation shall be void; otherwise, to remain in full force and virtue in law. The Surety hereby waives notice of any changes, alterations or modifications, including any extensions of the period of performance, in the contract, specifications and plans.”

If any surety upon any bond furnished in connection with this contract becomes unacceptable to the Owner, or if any such surety fails to furnish reports as to his financial condition from time to time as requested by the Owner, the Contractor shall promptly furnish such additional security as may be required from time to time to protect the interests of the Owner and of persons supplying labor or materials in the prosecution of the work contemplated by this contract.

- 40) **ROYALTIES AND PATENTS:** The Contractor shall indemnify, defend and save harmless the Owner and the Consultant from all liabilities, decrees, judgments, claims or disbursements, including attorney fees and/or damages and expenses which may come against or be incurred by the Owner or the Consultant by reason of the use of any patented material, machinery, devices, equipment or processes furnished or used in the performance of the work under this contract or the use by the Owner of the completed structure or by reason of the use of patented designs furnished by the Contractor and accepted by the Owner. In the event any claim, action at law or suit in equity of any kind whatsoever is made or brought against the Owner, the Owner shall have the right, without impairment of the foregoing indemnification, to retain from the money due and to become due said Contractor a sufficient amount of money to protect itself against loss.
- 41) **SPECIFICATION CONFLICTS:** Where any provision of specifications referred to or incorporated into the Contract Documents is inconsistent or in conflict with the provisions of the Contract Documents, the provisions of the Contract Documents shall govern.
- 42) **STANDARDS:** Where materials and methods are indicated in the specifications as being in conformance with a standard specification, reference in all cases shall be to the latest edition of the specification and shall include all interim revisions, unless specifically stated otherwise.
- 43) **FEDERAL EMPLOYMENT AUTHORIZATION:** The Contractor shall comply with the requirements of the revised Statutes of the State of Missouri Chapter sections 285.525 to 285.555. If any part of the contract is subcontracted, each subcontractor shall comply with the same requirements of this specification.

No Contractor shall knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the state of Missouri.

As a condition for the award of the contract the Contractor shall, by sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. Every such Contractor shall also sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services.

A Contractor may enroll and participate in a federal work authorization program and shall verify the employment eligibility of every employee in the Contractor's hire whose employment commences after the Contractor enrolls in a federal work authorization program.



A general contractor or subcontractor of any tier shall not be liable under sections 285.525 to 285.550 when such general contractor or subcontractor contracts with its direct subcontractor who violates subsection 1 of this section, if the contract binding the contractor and subcontractor affirmatively states that the direct subcontractor is not knowingly in violation of subsection 1 of this section and shall not henceforth be in such violation and the contractor or subcontractor receives a sworn affidavit under the penalty of perjury attesting to the fact that the direct subcontractor's employees are lawfully present in the United States.

- 44) OSHA TRAINING:** The Contractor shall comply with the requirements of the revised Statutes of the State of Missouri Chapter sections 292.675. If any part of the contract is subcontracted, each subcontractor shall comply with the same requirements of this specification.

Any Contractor signing a contract to work on the construction of public works for the Owner shall provide a ten-hour Occupational Safety and Health Administration (OSHA) construction safety program for their on-site employees which includes a course in construction safety and health approved by OSHA or a similar program approved by the department which is at least as stringent as an approved OSHA program. All employees are required to complete the program within sixty (60) days of beginning work on such construction project.

Any employee found on a worksite subject to this section without documentation of the successful completion of the course required under this section shall be afforded twenty (20) days to produce such documentation before being subject to removal from the project. The contractor shall forfeit as a penalty to the Owner two thousand five hundred dollars (\$2,500) plus one hundred dollars (\$100) for each employee employed by the contractor or subcontractor, for each calendar day, or portion thereof, such employee is employed without the required training. The penalty shall not begin to accrue until the time period in this section has elapsed.

The Owner shall withhold and retain all sums and amounts due and owing as a result of any violation of this section when making payments to the contractor under the contract. The contractor may withhold from any subcontractor, sufficient sums to cover any penalties the Owner has withheld from the contractor resulting from the subcontractor's failure to comply with the terms of this section. If the payment has been made to the subcontractor without withholding, the contractor may recover the amount of the penalty resulting from the fault of the subcontractor in an action maintained in the circuit court in the county in which the public works project is located from the subcontractor.

In determining whether a violation of this section has occurred, and whether the penalty of this section shall be imposed, the Department of Labor and Industrial Relations shall investigate any claim of violation. Upon completing such investigation, the Department shall notify the Owner and any party found to be in violation of this section of its findings and whether a penalty shall be assessed. Determinations under this section may be appealed in the circuit court in the county in which the public works project is located. The Department may establish rules and regulations for the purpose of implementing the provisions of this section.

This section shall take effect on August 28, 2009.

END OF GENERAL PROVISIONS

# **Technical Specifications**


**(see Table of Contents for documents and page numbers)**

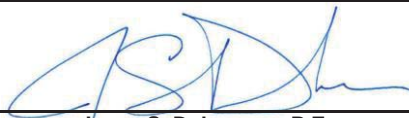
**JOB SPECIAL PROVISIONS TABLE OF CONTENTS (ROADWAY)**

(Job Special Provisions shall prevail over General Special Provision whenever in conflict therewith)

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**ENGINEER OF RECORD CERTIFICATION**

	<p>The professional whose signature and personal seal appears hereon assumes responsibility only for the following <b>JOB SPECIAL PROVISIONS</b> (JSP-2 through JSP-13) attached herewith and disclaims (pursuit to Section 327.411 RSMO) any responsibility for all other calculations, drawings, specifications, estimates, reports, surveys or other documents or instruments or revisions thereof not sealed by the undersigned professional relating to, or intended to, be used for any part or parts of the project to which this report refers.</p> <p><b>ENGINEERING CORPORATION CERTIFICATION</b> Howard R. Green Company (HR Green, Inc.) is a licensed Missouri Professional Engineering Corporation. Certificate of Authority No. 2002006608.</p> <p><b>Missouri Professional Engineer License No. 2004017159</b> <b>My renewal date is</b> December 31, 2020</p>
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 <hr/> <b>Jason S. Dohrmann, P.E.</b>	<hr/> <b>April 5, 2019</b> <hr/> <b>Date:</b>
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## **JOB SPECIAL PROVISIONS**

### **A. EMERGENCY PROVISIONS AND INCIDENT MANAGEMENT**

**1.0** The contractor shall have communication equipment on the construction site or immediate access to other communication systems to request assistance from the police or other emergency agencies for incident management. In the case of traffic accidents or the need for police to direct or restore traffic flow through the job site, the contractor shall notify police or other emergency agencies immediately as needed. The area engineer's office shall also be notified when the contractor requests emergency assistance.

**2.0** In addition to the 911 emergency telephone number for ambulance, fire or police services, the following agencies may also be notified for accident or emergency situation within the project limits.

Missouri State Highway Patrol – Troop C Office 891 Technology Drive Weldon Spring, MO 63304 (636) 300-2800	
Jefferson County Sheriff's Department PO BOX 100 400 1st Street Hillsboro, MO 63050 (636) 797-5000 <a href="http://www.jcsd.org">www.jcsd.org</a>	Rock Township Ambulance District 6707 St. Luke's Church Road Barnhart, MO 63012 (636) 296-5066 <a href="http://www.rocktownship.com">www.rocktownship.com</a>
Saline Valley Fire Protection District 4535 Old Hwy 21 Imperial, MO 63052 (636) 296-2445 <a href="http://www.salinevalleyfire.com">www.salinevalleyfire.com</a>	Antonia Fire Protection District 6633 Moss Hollow Road Barnhart, Missouri 63012 (636) 948-4433 <a href="http://www.antoniasfire.com">www.antoniasfire.com</a>

**2.1** This list is not all inclusive. Notification of the need for wrecker or tow truck services will remain the responsibility of the appropriate police agency.

**2.2** The contractor shall notify enforcement and emergency agencies before the start of construction to request their cooperation and to provide coordination of services when emergencies arise during the construction at the project site. When the contractor completes this notification with enforcement and emergency agencies, a report shall be furnished to the engineer on the status of incident management.

**3.0** No direct pay will be made to the contractor to recover the cost of the communication equipment, labor, materials or time required to fulfill the above provisions.

### **B. CONTRACT LIQUIDATED DAMAGES**

**1.0 Description.** Liquidated Damages for failure or delay in completing the work on time for this contract shall be in accordance with Sec 108.8.

**2.0 Working Days.** The count of working days will begin on the date the contractor starts any construction operations on the project.

Job Number	Working Days	Daily Liquidated Damages
<b>STP-5462(608)</b>	<b>145</b>	<b>\$1,225</b>

**3.0 Liquidated Damages.** Should the contractor fail to complete the work on or before the expiration of working days specified in Section 2.0, the contractor will be charged liquidated damages in accordance with Sec 108.8 in the amount of \$1,225 per working day for each full or partial working day thereof, that the work is not fully completed.

#### C. WORK ZONE TRAFFIC MANAGEMENT PLAN

**1.0 Description.** Work zone traffic management shall be in accordance with applicable portions of Division 100 and Division 600 of the 2017 Missouri Standard Specifications for Highway Construction (not the current version), and specifically as follows.

#### **2.0 Traffic Management Schedule.**

**2.1.1** Traffic management schedules shall be submitted to the engineer for review prior to the start of work and prior to any revisions to the traffic management schedule. The traffic management schedule shall include the proposed traffic control measures, the hours traffic control will be in place, and work hours.

**2.1.2** The Contractor shall notify the Engineer in writing seven (7) calendar days prior to lane closures.

**2.1.3** The Engineer shall be notified as soon as practical of any postponement due to weather, material or other circumstances.

**2.1.4** In order to ensure minimal traffic interference, the contractor shall schedule lane closures for the absolute minimum amount of time required to complete the work. Lanes shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lane is opened to traffic, and has considered the upcoming weather forecast.

**2.2 Traffic Congestion.** The contractor shall, upon approval of the engineer, take proactive measures to reduce traffic congestion in the work zone.

**2.3 Traffic Delay.** The Contractor shall be responsible for maintaining the existing traffic flow through the jobsite during construction. If disruption of the traffic flow occurs and the traffic is backed up in queues of 10 minute delays or longer, then the contractor shall review the construction operations which contributed directly to the disruption of traffic flow and make adjustments to the operations to prevent the queues from occurring again.

**2.4 Traffic Safety.** Where traffic queues routinely extend to within 500 feet of the ROAD WORK AHEAD, or similar sign on an undivided highway, the contractor shall extend the advance warning area, as approved by the engineer. When a traffic queue extends to within 500 feet of the ROAD WORK AHEAD, or similar sign on an undivided highway due to non-recurring congestion, the contractor shall deploy a means of providing advance warning of the traffic

congestion, as approved by the engineer. The warning location shall be no less than 500 feet and no more than 0.5 mile in advance of the end of the traffic queue on undivided highways.

**2.5 Work Hour Restrictions.** One lane or restrictive flagging operations shall not be in operation before 8:00 AM (CDST), Monday to Friday, on non-holiday weekends. There are three major summer holiday periods: Memorial Day, Independence Day and Labor Day. All lanes shall be scheduled to be open to traffic during these holiday periods, from 12:00 noon on the last working day preceding the holiday until 9:00 AM on the first working day subsequent to the holiday.

**2.5.1** The contractor shall not perform any construction operation on the roadway, roadbed, or active lanes including the hauling of material within the project limits, during restricted periods, holiday periods or other special events specified in the contract documents or by Jefferson County Public Works Department.

**2.6** The contractor shall be aware that traffic volume data indicates construction operations on the roadbed between the following hours will likely result in traffic queues greater than 15 minutes. Based on this, the contractor's operations will be restricted accordingly unless it can be successfully demonstrated the operations can be performed without a 15-minute queue in traffic. It shall be the responsibility of the engineer to determine if the above work hours may be modified. Working hours for evenings, weekends and holidays will be determined by the engineer.

**2.7 Lane Closures.** The contractor shall provide changeable message signs notifying motorists of future traffic disruption and possible traffic delays one week prior to lane closures. The changeable message sign shall be installed at a location as approved or directed by the engineer.

**2.7.1** At least one lane of traffic in each direction of Old State Route 21 shall be maintained at all times except as noted in the Maintenance of Traffic Plans and for brief intervals of time required when the movement of the contractor's equipment will seriously hinder safe movement of traffic. Periods during which the contractor will be allowed to halt traffic will be designated by the engineer.

**3.0 Basis of Payment.** No direct payment will be made to the contractor to recover the cost of equipment, labor, materials or time required to fulfill the above provisions, unless specified elsewhere in the contract document.

#### **D. PROJECT CONTACT FOR CONTRACTOR/BIDDER QUESTIONS**

All questions concerning this project during the bidding process shall be forwarded to the project contact listed below.

J.R. Hamilton, Project Contact  
Jefferson County Public Works  
Maple Street Annex  
725 Maple Street, Room 104  
Hillsboro, MO 63050  
Telephone Number: (636) 797.6126  
E-mail: [JHamilton@jeffcomo.org](mailto:JHamilton@jeffcomo.org)

**E. SUPPLEMENTAL REVISIONS*****Delete Sec 106.9 and substitute the following:***

**106.9 Buy America Requirement.** On all federal-aid projects, the contractor's attention is directed to Title 23 CFR 635.410 Buy America Requirements. Where steel or iron products are to be permanently incorporated into the contract work, steel and iron material shall be manufactured in the USA except for "minor usage" as described herein. Furthermore, any coating process of the steel or iron shall be performed in the USA. The use of pig iron and processed, pelletized and reduced iron ore manufactured outside of the USA will be permitted in the domestic manufacturing process for steel or iron material.

***Delete Sec 106.9.3 and substitute the following:***

**106.9.3** Buy America requirements include a step certification for all fabrication processes of all steel or iron materials that are accepted per Sec 1000.

**106.9.3.1** Items designated as Category 1 will consist of steel girders, piling, and reinforcing steel installed on site. Category 1 items require supporting documentation prior to incorporation into the project showing all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements. This includes the Mill Test Report from the original producing steel mill and certifications documenting the manufacturing process for all subsequent fabrication, including coatings. The certification shall include language that certifies the following. That all steel and iron materials permanently incorporated in this project was procured and processed domestically and all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410.

**106.9.3.2** Items designated as Category 2 will include all other steel or iron products not in Category 1 and permanently incorporated in the project. Category 2 items shall consist of, but not be limited to items such as fencing, guardrail, signing, lighting and signal supports. The prime contractor is required to submit a material of origin form certification prior to incorporation into the project from the fabricator for each item that the product is domestic. The Certificate of Materials Origin form ([link to certificate form](#)) from the fabricator must show all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements and be signed by a fabricator representative. The Engineer reserves the right to request additional information and documentation to verify that all Buy America requirements have been satisfied. These documents shall be submitted upon request by the Engineer and retained for a period of 3 years after the last reimbursement of the material.

**106.9.3.3** Any minor miscellaneous steel or iron items that are not included in the materials specifications shall be certified by the prime contractor as being procured domestically. Examples of these items would be bolts for sign posts, anchorage inserts, etc. The certification shall read "I certify that all steel and iron materials permanently incorporated in this project during all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements procured and processed domestically in accordance with CFR Title 23 Section 635.410 Buy America Requirements. Any foreign steel used was submitted and accepted under minor usage". The certification shall be signed by an authorized representative of the prime contractor.

***Delete Sec 106.9.4 and Renumber subsequent sections accordingly:***



**Delete Sec 610.4.5.4 and substitute the following:**

**610.4.5.4 Method of Correction.** Corrective action to eliminate ALRs and improve the average IRI shall be accomplished by a method approved by the engineer. Diamond grinding may be used for bumps, but the use of an impact device, such as a bush hammer, will not be permitted. Total grinding depth shall be limited to ¼ inch. Satisfactory longitudinal grinding is acceptable as the final surface of the corrected pavements. All corrective work shall be completed prior to determination of pavement thickness. The contractor shall re-profile the corrected lengths to verify smoothness compliance and submit an electronic data file in .PFF format to the engineer within 48 hours after testing.

Table 1				
Treatment Type	Posted speed > 45 mph		Posted speed ≤ 45 mph	
	Maximum Segment IRI (in/mi)	Maximum ALR IRI (in/mi)	Maximum Segment IRI (in/mi)	Maximum ALR IRI (in/mi)
Full Depth Pavement or Multi-Lift Overlay > 3-inches	80.0	125.0	125.0	175.0
Multi-Lift Overlays ≤ 3-inches	Posted speed > 45 mph and AADT > 3500		Posted speed ≤ 45 mph or AADT ≤ 3500	
	Maximum Segment IRI (in/mi)	Maximum ALR IRI (in/mi)	Maximum Segment IRI (in/mi)	Maximum ALR IRI (in/mi)
	80.0	125.0	125.0	175.0

**Delete Sec 616.5.1 and substitute the following:**

**616.5.1 Amber or Amber and White Warning Lights.** All on-road construction-related vehicles and equipment shall operate with amber or amber and white warning lights having 360 degrees of total coverage and as follows:

- (1) For daytime operations, SAE Class 1 or 2 lights shall be used.
- (2) For dusk to dawn operations, SAE Class 2 lights shall be used, or SAE Class 1 lights with dimming capabilities to minimize glare experienced by travelers.

**616.5.1.1 Red or Red and Blue Warning Lights.** The contractor may elect to use red or red and blue warning lights in accordance with Missouri law and the following requirements:

- (1) Use of red or red and blue lights shall be limited to use on a total of two vehicles per work zone and/or project.
- (2) Use of red or red and blue warning lights shall be limited to areas in advance of tapers or lane shifts and at the active work location.



(3) Lights shall be SAE Class 2 or SAE Class 1 with dimming capabilities to minimize glare experienced by travelers.

The awarded contract will serve as a permit by the County, granting the prime contractor and approved sub-contractors to utilize red or red and blue lights as required by Missouri law.

**F. UTILITIES**

**1.0** For informational purposes only, the following is a list of names, addresses, and telephone numbers of the known utility companies in the area of the construction work for this improvement:

<u>Utility Name</u>	<u>Known Required Adjustment</u>	<u>Type</u>
Mr. Bill Roessner Ameren Missouri 6450 Highway MM House Springs, MO 63051 Telephone: 636.671.6178	Yes	Power
Mr. Todd Yenzer AT&T 122 N. Second Street Festus, MO 63028 Telephone: 314.809.1335	Yes	Telephone / Fiber
Mr. Verne Stevens Charter Communications 815 Charter Commons Chesterfield, MO 63017 Telephone: 314.713.6369	Yes	Communications
Mr. Brian Langenbacher Spire 4118 Shrewsbury Ave. Shrewsbury, MO 63119 Telephone: 314.768.7767	No	Gas
Mr. Jason Seger PW Sewer District 4133 W. Outer Road Arnold, MO 63010 Telephone: 636.461.2578	No	Sanitary Sewerage
Mr. Justin Madding Public Water Supply District #1 PO Box 430 Barnhart, MO 63012 Telephone: 636.375.8897	Yes	Water

Mr. Kevin Wingard SDT Solutions LLC 9620 E. SH 350 Raytown, MO 64133 Telephone: 580.431.7688	Yes	ATT Distribution / Fiber
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**1.1** The existence and approximate location of utility facilities known to exist, as shown on the plans, are based upon the best information available to the Engineer or County at this time. This information is provided by the County "as-is" and the County expressly disclaims any representation or warranty as to the completeness, accuracy, or suitability of the information for any use. Reliance upon this information is done at the risk and peril of the user, and the County shall not be liable for any damages that may arise from any error in the information. It is, therefore, the responsibility of the contractor to verify the above listing information indicating existence, location and status of any facility. Such verification includes direct contact with the listed utilities.

#### **G. CONSTRUCTION STAGING SEQUENCE**

**1.0** The contractor shall follow the construction staging sequence shown on the Traffic Control Plans, and will complete one phase prior to beginning the next. However, in some cases, it will be required that the contractor deviate from the staging sequence shown. For example, the contractor shall be required to remove existing improvements, clear the right of way of trees, or complete partial grading for work in subsequent stages or phases in order to allow utility adjustment work to proceed. The engineer shall approve any deviation in the staging sequence shown on the Traffic Control Plan.

**2.0** In all instances, two-way traffic shall be maintained throughout the workzone, except for the specific tie in portions of East and West Four Ridge Road, as shown on the traffic control plans. Where temporary flagging operations are used, the Contractor shall restore two-way traffic each evening before leaving the jobsite, by whatever means necessary. This may require plating, temporary rock, or other means as approved by the engineer.

**3.0** The contractor shall coordinate earthwork operations for the project. Earthwork for the job is not balanced and the need to remove excess fill and place it on other parts of the jobsite is required.

**4.0** The contractor will be responsible for maintaining and removing all temporary pavements, temporary surfacing and temporary connections.

**5.0** The contractor shall construct all permanent stormwater drainage inlets or pipes as necessary to drain the project during construction utilizing the phasing shown on the Traffic Control Plans. In addition, in order to follow the phasing, the contractor may be required to provide temporary ditching, temporary pipes or culverts, temporary pipe plugs, temporary inlet covers, or other temporary measures necessary to adequately drain stormwater from the project as well as eliminate the ponding of stormwater at localized depressions. The engineer shall approve all temporary drainage. No direct payment will be made for temporary pipe plugs, temporary pipes or culverts, temporary inlet covers, or temporary ditching.

**6.0 Basis of Payment.** No direct payment will be made to the contractor to recover the cost of equipment, labor, materials or time required fulfilling the above provisions, unless specified elsewhere in the contract document.

#### H. DUST CONTROL

**1.0** The contractor shall take all reasonable precautions to avoid the creation of excessive dust as a result of construction operations. Should excessive dust result from the contractor's operations, or complaints regarding dust be received from the public or private property owners, the contractor will be required to take immediate corrective action to alleviate and resolve the dust concern. Should any private property be damaged by excessive dust as a result of the contractor's operations, the damage shall be repaired at the contractor's expense. No direct payment will be made to the contractor for any reason of their compliance with this provision.

#### I. DISPOSITION OF EXISTING SIGNS

**1.0 Description.** The contractor shall salvage all existing signs not designated for re-installation are to be transported to the location designated by the County's public works appointee. The contractor shall notify the County's representative 24 hours prior to each delivery by notifying the onsite representative. All other existing sign appurtenances noted on the plans to be removed shall become the property of the contractor.

**1.1** If an existing signs is specified to be relocated from existing posts onto new posts, no direct payment will be made to the contractor for this relocation. This work shall be considered incidental to the cost of the new post.

**1.2** Any existing sign appurtenances, specified to be re-installed or salvaged, that are damaged by reason of contractor negligence, shall be replaced or repaired at the contractor's expense. The engineer shall have the final determination on whether damaged signs or appurtenances will be replaced or repaired.

**2.0 Basis of Payment.** Payment for the removal of existing signs and appurtenances including any salvage, transporting and storage, shall be considered completely covered by the unit bid price for Item 202-20.10 – Removal of Improvements.

#### J. RESTORATION SEEDING

**1.0** Various seed mixes are found in the construction plans. The limits of the seeding to be used can be found on the Erosion Control Sheet – sheet 22.

**2.0** Erosion Control Blanket. An erosion control blanket shall be used in all areas shown to be seeded which the slope exceeds 3:1. The blanket shall be a single straw blanket similar in properties to DS75 manufactured by North American Green or approved equal. The erosion control blanket shall be installed and maintained according to the manufacturer's specifications. No payment will be made for providing, installing, stapling, maintaining, cutting, overlapping, or any other action related to this blanket, as it is considered incidental to the cost of the specified

restorative measure being used. No payment will be made for providing the erosion control blanket, as it is considered incidental to the cost of seeding.

**3.0** Turf Reinforcement Mat (TRM) is identified to be used in various ditches within the corridor as shown on the Erosion Control Sheet – Sheet 22. TRM shall be in accordance with the standard specifications found in Section 806.90.

**K. COORDINATION WITH GERMAN CULTURAL SOCIETY (GCS)**

**1.0** The contractor is advised that several aspects of this job require the Contractor to be on private property. Access to the work area will be from Old State Route 21 unless otherwise specifically worked out and approved from East Four Ridge Road by agreement with the owner.

**2.0** In addition, the Contractor is also notified of the following Conditions of Settlement that affect this property owner:

**2.1** The County has agreed to extend the soccer field an additional 150' to the North by filling in the ravine and tying into the existing ground with a 3:1 slope. Embankment shall be installed in strict accordance with Missouri Department of Specification Section 203 and shall be continuously benched as specified.

**2.2** The County has agreed to plant Crown Vetch at the manufacturers rate of application of the adjacent 3:1 slopes of the expanded field.

**2.3** After the fill is brought to the elevation of the existing soccer field, a slope of no greater than 1.5% cross slope is required.

**2.4** After the fill is placed and compacted, a minimum of 3" (in depth) of topsoil shall be graded without ruts, irregularities, humps or depressions. The topsoil shall be specified that it shall be nutrient bearing and suitable for un-irrigated growth of sport field turf. The specified grass seed shall be planted in the expanded field.

**2.5** The German Cultural Society shall grant Jefferson County and the awarded Contractor a Right of Entry to the said property for the additional improvements described herein. Any portion of the said property so impacted shall be returned to its original condition prior to completion of the project. This also includes areas that are not proposed to be altered to change under the project construction plans.

**2.6** The contractor shall re-install any low-level fencing (6' & under) that was removed during the construction of the project. If fencing becomes damaged during the construction of the project, the fencing shall be replaced. Any chain link fence marked TBR on the plans shall be removed and disposed of as necessary by the awarded contractor.

**2.7** The contractor shall install a 2-1/2" Conduit at the northwest corner of the soccer field, to be run under Four Ridge Road to the nearest Ameren power pole with a transformer attached, and to mark the conduit end nearest to soccer field. The conduit shall be stubbed up next to the Ameren power pole. The 2-1/2" Conduit shall be measured and paid for to the nearest linear foot under the Bid Item 901-99.03 – 2-1/2" Conduit.

**3.0 Basis of Payment.** No direct payment will be made to the contractor for the labor, equipment, material, or time required to comply with this provision. Any specific items to which payment pertains will be paid for as specified elsewhere in the bidding documents.

**L. FERTILIZING, SEEDING, AND MULCH**

**1.0** Fertilizing shall conform to Sec. 801 and more specifically as follows:

Route	County	Project	Pounds per Acre			
			Nitrogen (N)	Phosphorus (P205)	Potash (K20)	Pelletized Lime Neutralization
Old 21	Jefferson	STP-5462(6008)	80	160	80	1500

**2.0** Seeding shall conform to Section 805 and the rate of application shall be as follows:

Cool Season Mixture

Tall fescue	80 lbs.
Annual ryegrass	10 lbs.
Perennial ryegrass	5 lbs.
White clover	5 lbs.
Oats	10 lbs.
<b>Total</b>	<b>110 lbs. / acre</b>

Crown Vetch Mixture

Crownvetch	25 lbs.
Annual ryegrass	40 lbs.
White clover	5 lbs.
<b>Total</b>	<b>70 lbs. / acre</b>

Seed bed preparation and seeding by hand will be allowed.

**3.0** All disturbed areas shall be mulched and conform to Section 802 and more specifically the contractor shall use vegetative mulch. Mulching by hand will be allowed.

**4.0 Basis of Payment.**

**4.1** No direct payment will be made for fertilizing, lime neutralization, or mulching seeded areas.

**4.2** All cost incurred by the contractor for labor, equipment and materials in compliance with the above requirements including furnishing and placing fertilizer or lime and mulch shall be considered as completely covered by the unit price bid for Item No. 805-10.00A, Seeding – Cool Season Mixtures, per acre.

**M. MAILBOXES**

**1.0 Description.** This work shall include the removal and replacement of mailboxes within the construction limits, which require relocation due to the proposed roadway pavement and appurtenances.

**2.0 Materials.** Materials shall be existing mailboxes and posts. If required due to damage during removal or storage throughout the progress of the work, the mailboxes and post shall be replaced in kind by the Contractor.

**3.0 Execution.** The Contractor shall be responsible for any temporary measures such as temporary relocation or shoring, required to ensure mail service to the property remains unimpeded and uninterrupted during the progress of construction.

**4.0 Method of Measurement.** Measurement for this will not be made.

**5.0 Basis of Payment.** Removing and Relocating Existing Mailboxes impacted by the roadway construction will not be made and this work shall be considered incidental to the work completed for this bid.

**5.1** It shall be the responsibility of the contractor to ensure that mail service is interrupted to each homeowner during construction, and make whatever provisions necessary for mail service to remain uninterrupted.

**5.2** The Contractor shall be responsible for the preservation of all existing mailboxes, and if any of the mailboxes are carelessly, willfully, or otherwise destroyed or disturbed by the Contractor or other outside forces, the cost of replacing them will be solely at the Contractor's expense.

**5.3** Measures to temporarily brace or shore mailbox at a temporary location (if necessary to maintain mail service) shall be required at the Contractor's expense.

N. REMOVAL AND REPLACEMENT OF FENCE

**1.0 Description.** This work consists of removing existing fences for installation of retaining wall, and replacing the fences as shown in the plans.

**2.0 Method of Measurement.** Measurement of removal and replacement of fence will be measured along the centerline of the fence.

**3.0 Basis of Payment.** The accepted quantity of fence, complete in place, will be made under the respective bid items Remove and Replace Existing Fence, as shown on the quantity tabulation and bid item listing. No additional payment will be made for installation, excavation, bracing or backfill for the new post, damage to the existing fence that requires additional replacement above that shown on the plans, or other incidentals, labor or material needed.

O. 8 IN. RED STAMPED CONCRETE MEDIAN

**1.0 Description.** This work will include furnishing and installing 8-inch Red Concrete Stamped Median as shown on the plans in front of Parcel 2. The work shall conform to Section 608 of the Missouri Standard Specifications for Highway Construction except as here in modified.

**2.0 Method of Measurement.** Measurement of 8-Inch Red Stamped Concrete Median will be made to the nearest 1/10 square yard.

**3.0 Basis of Payment.** Payment for furnishing and installing the stamped concrete median shall be considered completely covered by Bid Item 608-99.05 – 8-inch Red Stamped Concrete Median.

P. COLORED IMPRINTED CONCRETE

**1.0 General.**

**1.1.** The work shall consist of placement of decorative imprinted cast-in-place concrete slab, having integral color, with powder antique release agent, and imprinted with a pattern replicating that of a brick surface following a running bond pattern. The concrete system shall be constructed of an approved product system in compliance with the specifications of a Solomon product or approved equal. The work includes the following:

- 1.1.1.** Set grades, prepare subgrades, construct forms, and place reinforcement.
- 1.1.2.** Place colored concrete and finish.
- 1.1.3.** Place powder antique release agent.
- 1.1.4.** Imprint with running bond pattern.
- 1.1.5.** Remove excess release agent.
- 1.1.6.** Apply curing and sealing products.
- 1.1.7.** Saw-cut joints.

**1.2.** The work shall be performed on the job site by trained and experienced workmen approved and licensed by the product manufacturer, and in accordance with the product manufacturer's specifications and recommendations.

**2.0 Quality Assurance.**

**2.1.** All imprinted concrete shall be installed by a licensed product contractor.

**2.2.** The imprinted concrete contractor shall provide a qualified foreman or supervisor who has a minimum of three years of experience with imprinted and textured concrete, and who has successfully completed at least five imprinted concrete installations of high quality and similar in scope to that specified herein, and located within a 100-mile radius of the proposed project. Evidence that the contractor is qualified to complete the project in a workmanlike manner as specified herein shall be submitted to, and approved by the Engineer.

**3.0 Products and Materials.**

**3.1.** Concrete:

**3.1.1.** Concrete shall conform to Section 502 of the MoDOT Standard Specifications for Highway Construction for the portion of the median to be stamped and colored.

**3.1.2.** Concrete shall conform to the County's Standard Specifications for portions of concrete that will remain un-tinted and not-stamped. Contractor shall note that this means the aggregate for this portion will include Meramec gravel to match with the tones and colors of the concrete elsewhere on the sidewalks and ramps, with an exposed aggregate finish.



**3.2. Integral Color:** The color of the concrete shall be approved by the Engineer and meet ASTM C979. The color shall be added to the concrete at the batch plant. The color shall be "Solomon 413 Fox Red" or approved equal.

**3.3. Powder Antique Release Agent:** The release agent shall be LITHOCHROME Antiquing Release "A-21 Deep Charcoal", or approved equal. A release agent is required when stamping concrete.

**3.4. Pattern:** The pattern shall be a herringbone brick pattern on 45-degree offset staggers with soldier course edging as shown in the Construction Drawings (Sheet 5 of 51), and shall be approved by the Engineer prior to production. All imprinting tools used in the execution of this product shall be approved by the product manufacturer.

**3.5. Cure and Sealant:** All imprinted concrete slabs shall be cured and sealed in accordance with the product manufacturer's recommendations and specifications.

#### **4.0 Execution.**

**4.1.** The area to receive imprinted concrete shall have the subgrade prepared and compacted conforming the Standard Specifications.

**4.2.** Formwork, reinforcement, control joints and/or expansion joints shall be provided in accordance with the plans and the Standard Specifications. The concrete shall be placed and screeded to the finished grade, and floated to uniform surface using standard finishing techniques.

**4.3.** Powdered antiquing release agent shall be applied evenly to the surface of the fresh concrete using a minimum of four pounds per 100 square feet, or as required per the manufacturer's recommendations. Care shall be taken to ensure the powder does not stain any surrounding areas.

**4.4.** While the concrete is still in its plastic stage of set, the imprinting tools shall be applied to the surface.

**4.5.** When the concrete has cured to the point where it is walkable and not altered by the chosen excess removal technique, the excess antique release agent shall be removed to achieve the desired artistic effect. All loose powder shall be removed that may interfere with subsequent cure and sealer.

**4.6.** Immediately after completing the excess release agent removal process, approved curing and sealing methods shall be applied in accordance with the manufacturer's recommendations

#### **5.0 Measurement and Payment.**

**5.1.** Measurement of this item will fall under "Concrete Median with Doweled 6-Inch Concrete Curb" and shall be by the nearest square yard, in place, by field measure.

**5.2.** Payment will be made at the contract unit price for Concrete Median with Doweled 6-Inch Concrete Curb, which shall include full compensation for all materials, equipment, and labor necessary to conform to these specifications.



## Q. REINFORCEMENT CRACK CONTROL GRID

**1.0 Description.** This work shall consist of furnishing and installing an Asphalt Reinforcement Crack Control grid between the first and second asphalt lift over non-repaired joint areas and extend a minimum of 18 inches beyond the joint. Locations of the Reinforcement Crack Control Grid shall be determined by the engineer prior to the start of construction.

**2.0 Materials.** The asphalt reinforcement grid shall consist of fiberglass strands coated with a protective elastomeric polymer and pressure sensitive adhesive backing, meeting the following material properties:

<u>Property</u>	<u>Requirement</u>	<u>Test Method</u>
Tensile Strength (MD x XD) (Ultimate)	655 x 1,230 +/- 85 lbs / in	ASTM D6637
Tensile Elongation (Ultimate)	2.5 +/- 0.5%	ASTM D6637
Tensile Resistance @ 2% Strain	542 x 1,030 +/- 115 lbs / in	ASTM D6637
Secant Stiffness EA @ 1% Strain (MD x XD)	26,265 x 49,110 +/- 3,425 lbs/in	ASTM D6637
Young's Modulus E	10.6 x 10 <sup>6</sup> psi	
Mass per Unit Area	18 oz/yd <sup>2</sup>	ASTM D5261
Melting Point Coating	>450° F	ASTM D276 /
Melting Point Glass	>1508° F	ASTM C338

**3.0 Execution.** Lap traverse joint in the direction of paving 3 to 6 inches. Longitudinal joints shall be overlapped 1 to 2 inches. The contractor shall be responsible for determining methodology to prevent tracking or peeling of Crack Control Grid during pavement operations.

**4.0 Method of Measurement.** Measurement of Reinforcement Crack Control Grid shall be made to the nearest 0.1 square yard (SY).

**5.0 Basis of Payment.** All labor, equipment, and material costs to complete the described work shall be completely covered by Bid Item 613-99.05 – Reinforcement Crack Control Grid.

## R. COLDMILLING EXISTING PAVEMENT FOR REMOVAL OF SURFACE

**1.0 Description.** This work shall consist of cold milling of the existing pavement to a depth of 3-½ inches per the construction plans. This work shall be in accordance with all of the provisions of Section 622.10 of the Standard Specification.

## S. MECHANICALLY STABILIZED EARTH WALL SYSTEMS

**1.0 Description.** This work shall consist of the installation of both large and small black mechanically stabilized earth (MSE) retaining wall systems. The locations of each type of wall have been specifically noted on the construction plans, and are called out separately on the quantities and Bid Form. This work shall be in accordance with all of the provisions of Section 720 of the Standard Specification.

**2.0 Basis of Payment.** All labor, equipment, and material costs to complete the described work shall be completely covered by Bid Item 720-99.04 – Mechanically Stabilized Earth Retaining Wall Systems – either small or large block.

T. TOPSOIL

**1.0 Description.** This work shall consist of providing topsoil to be used for the project, in the locations, grades, and quantities shown on the plans.

**2.0** Topsoil shall be in accordance with all of the provisions of Section 804 of the Standard Specification. In addition to these requirements, topsoil must not contain any sources of lead, or the shipment will be rejected. Topsoil placed within the project limits that, when tested, demonstrates that it contains lead, must be removed and replaced solely at the contractor's expense. Any incidental items required to be reconstructed as a part of topsoil removal and replacement due to the presence of lead will also be incidental to the contractor's work and will be at his expense.

U. GEOTECHNICAL REPORT

**1.0** The Geotechnical Report prepared for the project follows.

# GEOTECHNOLOGY INC

FROM THE GROUND UP



## SUBSURFACE EXPLORATION INTERSECTION IMPROVEMENTS OLD STATE ROUTE 21 AT FOUR RIDGE ROAD JEFFERSON COUNTY, MISSOURI

*Prepared for:*

**HR GREEN, INC.**  
Chesterfield, Missouri

*Prepared by:*

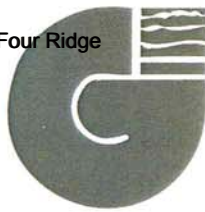
**GEOTECHNOLOGY, INC.**  
St. Louis, Missouri

Geotechnology, Inc. Project No. J027907.01  
Revised

August 23, 2018

St. Louis, MO  
Fairview Heights, IL  
Overland Park, KS  
Memphis, TN  
[geotechnology.com](http://geotechnology.com)

QUALITY. INTEGRITY. PARTNERSHIP. OPPORTUNITY. RESPONSIVENESS. SAFETY

**GEOTECHNOLOGY INC**  
FROM THE GROUND UP

August 23, 2018

J027907.01

Revised

Mr. Jason Dohrmann, P.E.  
HR Green, Inc.  
16020 Swingley Ridge Road, Suite 205  
Chesterfield, Missouri 63017

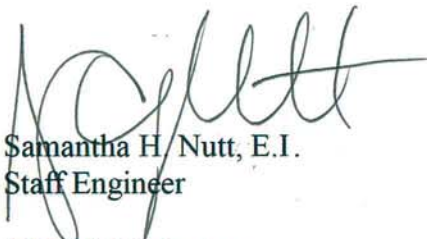
**SUBSURFACE EXPLORATION**  
**INTERSECTION IMPROVEMENTS**  
**OLD STATE ROUTE 21 AT FOUR RIDGE ROAD**  
**JEFFERSON COUNTY, MISSOURI**

Dear Mr. Dohrmann:

Presented herein are the results of a subsurface exploration performed at the referenced project site. This report includes our understanding of the project, observed site conditions, conclusions and/or recommendations, and supporting data.

It has been our pleasure to provide geotechnical services to you, and we would welcome the opportunity to provide other services during the course of the project. Please contact us if you need further information or clarification about this document.

Very truly yours,

**GEOTECHNOLOGY, INC.**

Samantha H. Nutt, E.I.  
Staff Engineer

SHN/CKK:shn/aat



Craig K. Kaibel, P.E.  
Specialty Testing Manager

Copies Submitted: (2) hardcopies + PDF





**SUBSURFACE EXPLORATION**  
**INTERSECTION IMPROVEMENTS**  
**OLD STATE ROUTE 21 AT FOUR RIDGE ROAD**  
**JEFFERSON COUNTY, MISSOURI**

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**SUBSURFACE EXPLORATION**  
**INTERSECTION IMPROVEMENTS**  
**OLD STATE ROUTE 21 AT FOUR RIDGE ROAD**  
**JEFFERSON COUNTY, MISSOURI**

**SECTION I - PROJECT DATA**

**AUTHORIZATION**

The services documented in this report were provided in accordance with the scope of services described in Geotechnology's proposal P027907.01 dated July 12, 2016. The project was authorized by HR Green's Agreement for Subcontract Services to HR Green, Inc. dated August 8, 2016.

**PURPOSE AND SCOPE OF SERVICES**

The purpose of our services is to develop recommendations for geotechnical aspects of the design and construction of the project as described in our proposal. Briefly, services consisted of site reconnaissance, drilling four borings, laboratory testing, engineering analyses, and preparation of this report. Important information prepared by The Geoprofessional Business Council for studies of the type is included in Appendix A for your review.

**PROJECT AND SITE DESCRIPTION**

The project includes improvements to the intersection of Old Route 21 and East/West Four Ridge Road in Jefferson County, Missouri. The proposed improvements include new horizontal and vertical alignments which will require relocating part of the roadway, roadway widening, and mechanically stabilized earth (MSE) walls. The site location and general topography of the area from the U.S.G.S. map of the vicinity are shown on Plate 1.

**SECTION II - FIELD EXPLORATION AND LABORATORY TESTING**

**FIELD EXPLORATION**

The field exploration consisted of drilling four borings, designated as Borings B-1 through B-4, at approximately the locations shown on Plate 2. The boring locations were located in the field by a representative of Geotechnology. Surface elevations as shown on the boring logs were provided by HR Green. An exception is Boring B-1, where surface elevation information was not available. If more precise data are required, a registered land surveyor should be retained to establish boring data.





The borings were drilled to predetermined depths of approximately 25 to 35 feet using a track-mounted CME 55 rotary drill rig equipped with 3 ¾-inch hollow-stem augers. Standard Penetration Tests (SPT) were performed using an automatic hammer. Split-spoon and relatively undisturbed Shelby tube samples were obtained at the depths indicated on the boring logs presented in Appendix B. An explanation of the terms and symbols used on the boring logs are also provided in Appendix B.

An engineer from Geotechnology provided direction during field exploration, observed drilling and sampling, assisted in obtaining samples, and prepared logs of the material encountered. The boring logs represent conditions observed at the time of exploration and have been edited to incorporate results of the laboratory tests.

Unless noted on the boring logs, the lines designating the changes between various strata represent approximate boundaries. The transition between materials could be gradual or could occur between recovered samples. The stratification given on the boring logs, or described herein, is for use by Geotechnology in its analyses and should not be used as the basis of design or construction cost estimates without realizing that there can be variation from that shown or described.

The boring logs and related information depict subsurface conditions only at the specific locations and times where sampling was performed. The passage of time could result in changes in conditions, interpreted to exist, at the location where sampling was performed.

### LABORATORY TESTING

Laboratory testing was performed on the soil samples to estimate engineering and index properties. Moisture content and Atterberg limits tests were performed on selected cohesive soil samples. Unconfined compression (UC) tests and dry unit weight determinations were performed on select Shelby tube samples. Laboratory test results are presented on the boring logs.

## **SECTION III - SUBSURFACE CONDITIONS**

### STRATIGRAPHY

Below the topsoil, the overburden consists of interbedded, brown, fat clay (CH) and lean clay (CL) to depths of approximately 6 feet. Based on N-values and UC tests, the consistency of the overburden is generally stiff to hard. The overburden has moisture contents ranging from 12 to 25 percent. Representative samples of the fat clay had liquid limits ranging from 58 to 73 and plasticity indices ranging from 36 to 51. Representative samples of the lean clay had liquid limits of 44 and 45 and plasticity indices of 24.





The overburden is underlain by hard, reddish-brown, fat clay with weathered rock to depths of approximately 10.5 feet. The reddish-brown, fat clay, is underlain by clayey gravel, which is, in turn, underlain by severely weathered limestone with some chert to the boring termination depths of 25 to 35 feet.

## GROUNDWATER

Groundwater was not observed in the borings during drilling. Groundwater levels might not have stabilized before backfilling, which is typical in less permeable, cohesive soil. Groundwater commonly occurs perched within permeable fill and in the soil above bedrock. Consequently, the lack of groundwater levels might not represent present or future levels. Groundwater levels could vary over time due to the effects of seasonal variation in precipitation or other factors not evident at the time of exploration.

## **SECTION IV - DESIGN CONSIDERATIONS AND RECOMMENDATIONS**

Site grading and fill placement should be performed in accordance with Sections 201 through 213 of the Missouri Standard Specifications for Highway Construction. Fat clay was encountered at roadway elevation and should be remediated within 1 foot of pavement subgrade as discussed herein.

## SITE GRADING

Treatment of Fat Clay. Based on the boring data, fat clay is present at or near roadway subgrade. Lightly-loaded structural features can undergo heaving and distress unless these soils are remediated. Fat clay below the roadway should be removed and replaced to a minimum depth of 1 foot below the proposed roadway subgrade elevation. Additional removal and replacement below 1 foot could be performed to further reduce the swelling risk, if desired. The overexcavation may be backfilled with lean clay (liquid limit less than 45 percent), well-graded crushed rock (e.g., MoDOT Type 5), or lime modified fat clay.

Suitable Fill Materials. Fill materials may consist of low plasticity, cohesive soils, fat clay, or well-graded crushed rock. Acceptable fill soils include non-organic materials designated CL, CH, ML, CL-ML, and GW by ASTM D 2487.

Rock Excavation. Excavation for the roadway cuts and MSE walls will encounter highly to severely weathered limestone. The rock should be considered as Class C excavation. Bedrock or pinnacles of rock could be present at depths shallower than indicated in the borings. In addition, zones or layers of higher quality rock should be anticipated. Contingency funds for hard rock removal such as chipping with a hydraulic hoe-ram, line drilling and splitting, or possibly blasting should be considered.



## MSE WALLS

We understand an MSE retaining wall will be used to facilitate grade changes up to 17 feet in height. Based on the information provided, the wall will run along the north side of Four Ridge Road and continue along the west side of Old State Route 21. It is our understanding that the MSE wall design will be performed by others.

- Friction angles of 23 and 32 degrees and a cohesion of 0 pounds per square foot (psf) can be used for the fat clay (CH) and weathered rock and clay (GC), respectively. Undrained shear strengths of 2,000 and 3,000 psf, respectively, can be used for short term conditions.
- MSE walls may be designed to bear on firm, natural soil (CH or GC) using a maximum net allowable bearing pressure of 5,000 psf. MSE walls bearing on weathered rock may be designed using a maximum net allowable bearing pressure of 10,000 psf.
- Based on our experience, we anticipate settlements less than 1 inch.
- A minimum wall embedment of 2-feet is recommended for all MSE walls as stated in the Missouri Department of Transportation's (MoDOT's) Engineering Policy Guide.
- The geogrid lengths used in the global stability analysis described below to obtain a satisfactory factor of safety should be incorporated into the design.

## GLOBAL STABILITY

Global stability analyses were performed for typical wall sections at the locations shown on Plate 2 (Sections AA', BB', and CC'). The typical sections were analyzed assuming 11- to 17-foot high MSE walls. The preliminary grid lengths behind the walls were assumed as 3.5- to 5.5-feet (i.e., approximately 0.3H). The backfill within the reinforced zone was assumed to be select granular backfill material. The soil properties used in our analyses are based on the laboratory tests, our experience, and are summarized in the following table. The analyzed sections with critical failure arcs are presented in Appendix C.



<b>SOIL PROPERTIES USED IN GLOBAL STABILITY ANALYSIS</b>			
<b>Soil Type</b>	<b>Unit Weight (pcf)</b>	<b>Effective Cohesion (psf)</b>	<b>Effective Friction Angle (degrees)</b>
Retaining Wall and Grid	150	-	-
Weathered Rock and Clay	120	0	32
Fat Clay	100	0	23
Fill Materials	120	0	28

The analyses were performed using allowable stress design methods. Selected wall sections were analyzed for long-term, drained conditions. Groundwater was assumed to be present at the estimated bedrock surface, below existing grade. The Morgenstern Price procedure was used to compute the factor of safety. The computer program SLOPE/W was used to perform the computations. The calculated factors of safety at typical wall sections are summarized in the table below:

<b>GLOBAL STABILITY ANALYSIS RESULTS</b>					
<b>Section</b>	<b>Station</b>	<b>Wall Height (ft)</b>	<b>Grid Length (ft)</b>	<b>Wall Embedment (ft)</b>	<b>Calculated Factor of Safety</b>
AA'	Sta. 68+50.00	11	3.5	2	1.7
BB'	Sta. 69+50.00	17	5.5	2	1.5
CC'	Sta. 70+50.00	13.5	4.5	2	1.5

MoDOT requires a minimum factor of safety of 1.5 for long-term stability. Our analyses indicate that the factors of safety for the wall sections with the assumed grid lengths are satisfactory. Therefore, the wall sections as a minimum should include geogrid lengths equal to or greater than that shown in the table above.

## SLOPES

The stability of a slope depends on many factors including the slope geometry, slope height, soil type, and surface pressures. Based on the MoDOT's Table 321.1 Guide for Selection of Slope Inclination for Routine Design, fill side slopes in fat clay may be as steep as 3H:1V. Fill side slopes in residual soil with rock (e.g., GC soils and highly/severely weathered limestone) may be as steep as 2H:1V.



## PAVEMENT SUBGRADE CONSIDERATIONS

The soil subgrade for pavements should be proofrolled to verify stability, and the upper 12 inches of subgrade should be compacted. As a measure to improve pavement performance, fat clay within 12 inches of pavement subgrades should be remediated. A detailed pavement design and analysis was beyond the scope of our services.

If pavements are not constructed immediately after grading, the subgrade should be shaped to prevent ponding. Minor ponding, of even short duration, can cause softening of a soil subgrade. If there is a lapse of time between grading and paving, or if the subgrade is disturbed by construction activities, the subgrade should be proofrolled with a loaded, tandem-axle dump truck or equivalent equipment. Soft spots observed during initial construction or proofrolling should be removed and replaced with compacted soil or rock, possibly combined with a geotextile or geogrid.

Depending on when the pavement is constructed, the subgrade might not support construction equipment, such as rock trucks or asphalt trucks, which have heavier axle loads than those vehicles for which the pavement section is designed. Such conditions will be more apparent during wetter periods of the year. Excavation of soft subgrade and placement of additional base course and/or geogrid could be required to construct the pavement during these periods.

## **SECTION V - RECOMMENDED ADDITIONAL SERVICES**

The conclusions and recommendations given in this report are based on: Geotechnology's understanding of the proposed design and construction, as outlined in this report; site observations; interpretation of the exploration data; and our experience. Since the intent of the design recommendations is best understood by Geotechnology, we recommend that Geotechnology be included in the final design and construction process, and be retained to review the project plans and specifications to confirm that the recommendations given in this report have been correctly implemented. We recommend that Geotechnology be retained to participate in prebid and preconstruction conferences to reduce the risk of misinterpretation of the conclusions and recommendations in this report relative to the proposed construction of the subject project.

Since actual subsurface conditions between boring locations may vary from those encountered in the borings, our design recommendations are subject to adjustment in the field based on the subsurface conditions encountered during construction. Therefore, we recommend that Geotechnology be retained to provide construction observation services as a continuation of the design process to confirm the recommendations in this report and to revise them accordingly to accommodate differing subsurface conditions. Construction observation is intended to enhance compliance with project plans and specifications. It is not insurance, nor does it constitute a warranty or guarantee of any type. Regardless of construction observation,



contractors, suppliers, and others are solely responsible for the quality of their work and for adhering to plans and specifications.

## **SECTION VI - LIMITATIONS OF REPORT**

This report has been prepared on behalf of, and for the exclusive use of, the client for specific application to the named project as described herein. If this report is provided to other parties, it should be provided in its entirety with all supplementary information. In addition, the client should make it clear that the information is provided for factual data only, and not as a warranty of subsurface conditions presented in this report.

Geotechnology has attempted to conduct the services reported herein in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions. The recommendations and conclusions contained in this report are professional opinions. The report is not a bidding document and should not be used for that purpose.

Our scope of service for this phase of the project did not include any environmental assessment or investigation for the presence or absence of wetlands or hazardous or toxic materials in the soil, surface water, groundwater, or air, on or below or around this site. Any statements in this report or on the boring logs regarding odors noted or unusual or suspicious items or conditions observed are strictly for the information of our client. Our scope of service did not include an assessment of the effects of flooding and erosion of creeks or rivers adjacent to or on the project site.

Our scope did not include: any services to investigate or detect the presence of mold or any other biological contaminants (such as spores, fungus, bacteria, viruses, and the by-products of such organisms) on and around the site; or any services, designed or intended, to prevent or lower the risk of the occurrence of an infestation of mold or other biological contaminants. (Only remove this paragraph when it clearly does not apply)

The analyses, conclusions, and recommendations contained in this report are based on the data obtained from the subsurface exploration. The field exploration methods used indicate subsurface conditions only at the specific locations where samples were obtained, only at the time they were obtained, and only to the depths penetrated. Consequently, subsurface conditions may vary gradually, abruptly, and/or nonlinearly between sample locations and/or intervals.

The conclusions or recommendations presented in this report should not be used without Geotechnology's review and assessment if the nature, design, or location of the facilities is changed, if there is a substantial lapse in time between the submittal of this report and the start of work at the site, or if there is a substantial interruption or delay during work at the site. If changes are contemplated or delays occur, Geotechnology must be allowed to review them to

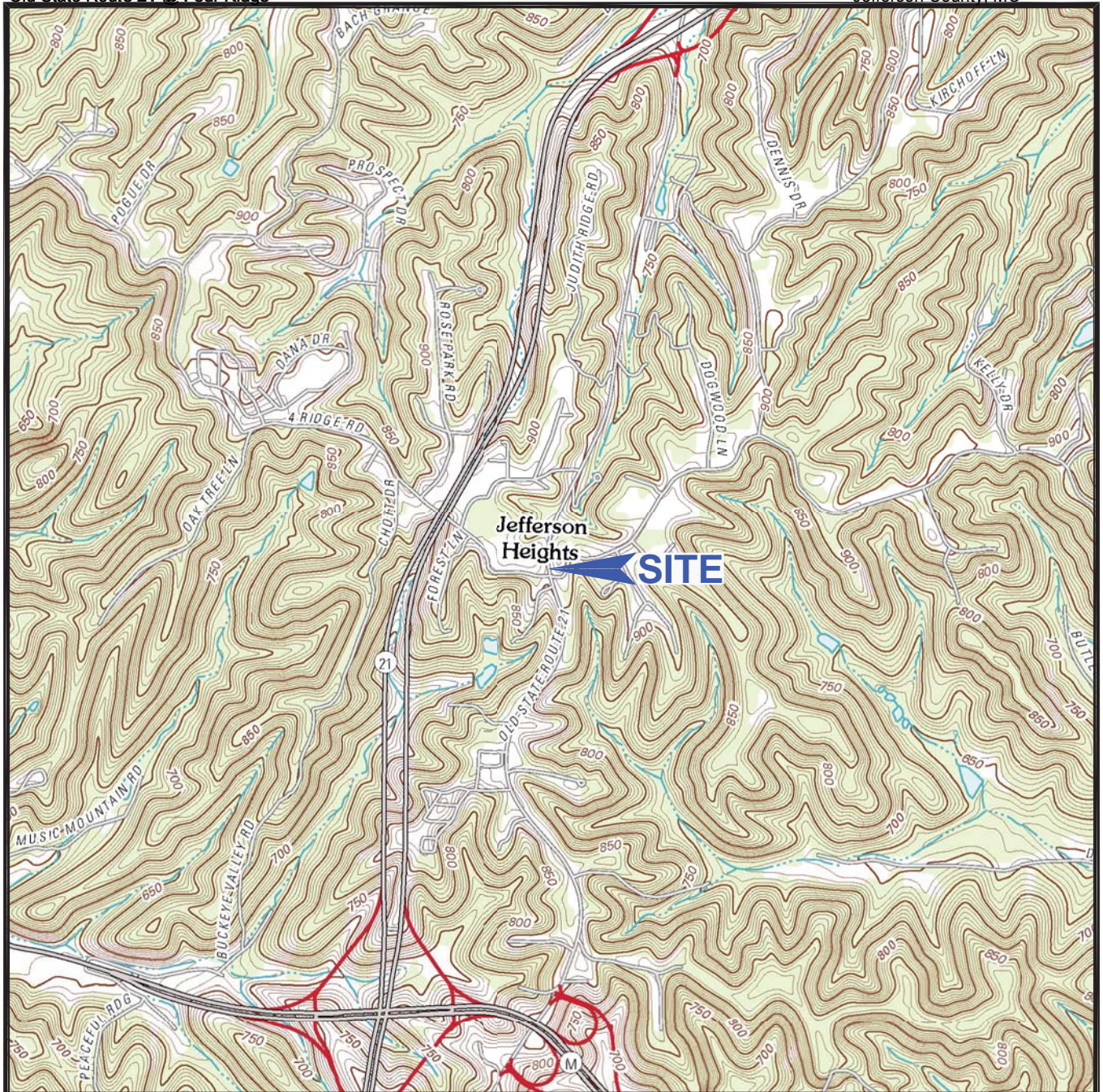


assess their impact on the findings, conclusions, and/or design recommendations given in this report. Geotechnology will not be responsible for any claims, damages, or liability associated with any other party's interpretations of the subsurface data or with reuse of the subsurface data or engineering analyses in this report.

The recommendations included in this report have been based in part on assumptions about variations in site stratigraphy that may be evaluated further during earthwork and foundation construction. Geotechnology should be retained to perform construction observation and continue its geotechnical engineering service using observational methods. Geotechnology cannot assume liability for the adequacy of its recommendations when they are used in the field without Geotechnology being retained to observe construction.

A copy of "Important Information about This Geotechnical-Engineering Report" that is published by the Geotechnical Business Council (GBC) of the Geoprofessional Business Association (GBA) is included in Appendix A for your review. The publication discusses some other limitations, as well as ways to manage risk associated with subsurface conditions.



**NOTES**

1. Plan adapted from 7.5 minute U.S.G.S. maps for Maxville and House Springs, Missouri quadrangles, last revised in 2012.

0 2,000 4,000



SCALE IN FEET

Drawn By: WAH	Ck'd By: SHN	App'd By: CKK
Date: 2-2-17	Date: 2-24-17	Date: 3-22-17



Intersection Improvements  
Old State Route 21 at Four Ridge Road  
Jefferson County, Missouri

**SITE LOCATION  
AND TOPOGRAPHY**

Project Number  
J027907.01

**PLATE 1**





**NOTES**

1. Plan adapted from "2015 Aerial Imagery for the St. Louis Region" supplied by East-West Gateway Council of Governments.
2. Borings were located in the field with reference to site features and are shown approximate only.

**LEGEND**

● Boring Location

0 100 200



SCALE IN FEET

Drawn By: WAH	Ck'd By: SHN	App'vd By: CKK
Date: 2-2-17	Date: 2-24-17	Date: 3-22-17



Intersection Improvements  
Old State Route 21 at Four Ridge Road  
Jefferson County, Missouri

**AERIAL PHOTOGRAPH OF SITE  
AND BORING LOCATIONS**

Project Number  
J027907.01

**PLATE 2**





## **APPENDIX A**

### **IMPORTANT INFORMATION ABOUT YOUR GEOTECHNICAL-ENGINEERING REPORT**

# Important Information about This Geotechnical-Engineering Report

**Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.**

**While you cannot eliminate all such risks, you can manage them. The following information is provided to help.**

## Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical-engineering study conducted for a civil engineer may not fulfill the needs of a constructor — a construction contractor — or even another civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client. No one except you should rely on this geotechnical-engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you — should apply this report for any purpose or project except the one originally contemplated.*

## Read the Full Report

Serious problems have occurred because those relying on a geotechnical-engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

## Geotechnical Engineers Base Each Report on a Unique Set of Project-Specific Factors

Geotechnical engineers consider many unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk-management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical-engineering report that was:

- not prepared for you;
- not prepared for your project;
- not prepared for the specific site explored; or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical-engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light-industrial plant to a refrigerated warehouse;
- the elevation, configuration, location, orientation, or weight of the proposed structure;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an

assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

## Subsurface Conditions Can Change

A geotechnical-engineering report is based on conditions that existed at the time the geotechnical engineer performed the study. *Do not rely on a geotechnical-engineering report whose adequacy may have been affected by:* the passage of time; man-made events, such as construction on or adjacent to the site; or natural events, such as floods, droughts, earthquakes, or groundwater fluctuations. *Contact the geotechnical engineer before applying this report to determine if it is still reliable.* A minor amount of additional testing or analysis could prevent major problems.

## Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ — sometimes significantly — from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide geotechnical-construction observation is the most effective method of managing the risks associated with unanticipated conditions.

## A Report's Recommendations Are Not Final

Do not overrely on the confirmation-dependent recommendations included in your report. *Confirmation-dependent recommendations are not final*, because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations *only* by observing actual subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's confirmation-dependent recommendations if that engineer does not perform the geotechnical-construction observation required to confirm the recommendations' applicability.*

## A Geotechnical-Engineering Report Is Subject to Misinterpretation

Other design-team members' misinterpretation of geotechnical-engineering reports has resulted in costly



problems. Confront that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Constructors can also misinterpret a geotechnical-engineering report. Confront that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing geotechnical construction observation.

### Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical-engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

### Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make constructors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give constructors the complete geotechnical-engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise constructors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure constructors have sufficient time to perform additional study.* Only then might you be in a position to give constructors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

### Read Responsibility Provisions Closely

Some clients, design professionals, and constructors fail to recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help

others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

### Environmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform an *environmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical-engineering report does not usually relate any environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own environmental information, ask your geotechnical consultant for risk-management guidance. *Do not rely on an environmental report prepared for someone else.*

### Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold-prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, many mold-prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical-engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; *none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.*

### Rely, on Your GBC-Member Geotechnical Engineer for Additional Assistance

Membership in the Geotechnical Business Council of the Geoprofessional Business Association exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project. Confer with you GBC-Member geotechnical engineer for more information.



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## **APPENDIX B**


### **LOGS OF BORINGS B-1 THROUGH -4 BORING LOG: TERMS AND SYMBOLS**

LOG OF BORING 2002 WL J027907.01 - OLD ROUTE 21, GPJ 00 CLONE ME GPJ 224/17, AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

Surface Elevation: --		Completion Date: 1/31/2017				
Datum: --						
DEPTH IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	SAMPLES	SHEAR STRENGTH, tsf	
					Δ - UU/2	○ - QU/2
					STANDARD PENETRATION RESISTANCE	
					▲ N-VALUE (BLOWS PER FOOT) (ASTM D 1586)	
					WATER CONTENT, %	
					PL	LL
	Topsoil - 6 inches					
	Hard, brown, FAT CLAY - (CH)		98	ST1		66
	Very stiff, brown, LEAN CLAY - CL		6-13-16	SS2		
5						
	Hard, reddish-brown, FAT CLAY and weathered rock - CH		50/5"	SS3		
10			33-38-50	SS4		88
	Hard, gray and reddish-brown, weathered rock and clay - GC		50/5"	SS5		
15			10-50/4"	SS6		
			50/3"	SS7		
20			50/5"	SS8		
	Highly to severely weathered LIMESTONE, some chert		50/3"	SS9		
25			50/4"	SS10		
			50/4"	SS11		
30			50/3"	SS12		
			50/3"	SS13		
35	Boring terminated at 35 feet.		50/2"	SS14		

GROUNDWATER DATA		DRILLING DATA	
<input checked="" type="checkbox"/> FREE WATER NOT ENCOUNTERED DURING DRILLING		AUGER 3 3/4" HOLLOW STEM WASHBORING FROM -- FEET	
		BLS DRILLER DWJ LOGGER	
		CME 55TRK DRILL RIG	
		HAMMER TYPE Auto	
		HAMMER EFFICIENCY 88 %	
REMARKS: Boring surface elevation not provided.			

Drawn by: AGB	Checked by:	App'vd. by:
Date: 2/16/2017	Date:	Date:

**GEOTECHNOLOGY**  
FROM THE GROUND UP

Intersection Improvements  
Old State Route 21 at Four Ridge Road  
Jefferson County, Missouri

LOG OF BORING: B-1

Project No. J027907.01

Surface Elevation: **936.73**Completion Date: **1/31/2017**Datum: **NAVD88**

DEPTH IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC	DRY UNIT WEIGHT pcf SPT BLOW COUNT CORE RECOVERY	SAMPLE	STANDARD PENETRATION RESISTANCE ▲ N-VALUE (BLOWS PER FOOT) (ASTM D 1586)							
					PL	WATER CONTENT, %						
						10	20	30	40	50	LL	
5	Topsoil - 5 inches Stiff, brown, LEAN CLAY - (CL)		99	ST1								
	4-8-11		SS2									
10	Hard, reddish-brown, FAT CLAY and weathered rock - CH		32-50/2"	SS3								
	14-13-18		SS4									
15	Hard, gray and reddish-brown, weathered rock and clay - GC											
	27-50/4"		SS5									
20	Highly to severely weathered LIMESTONE, some chert		35-50/1"	SS6								
			27-50/5"	SS7								
25	Boring terminated at 25 feet.		50/5"	SS8								
			50/4"	SS9								
30			50/5"	SS10								
35												

**GROUNDWATER DATA**

☒ FREE WATER NOT  
ENCOUNTERED DURING DRILLING

**DRILLING DATA**

\_\_\_ AUGER 3 3/4" HOLLOW STEM  
WASHBORING FROM \_\_\_ FEET  
BLS DRILLER DWJ LOGGER  
CME 55TRK DRILL RIG  
HAMMER TYPE Auto  
HAMMER EFFICIENCY 88 %

REMARKS:

Drawn by: AGB

Checked by:

App'vd. by:

Date: 2/16/2017

Date:

Date:


**GEOTECHNOLOGY**  
FROM THE GROUND UP

Intersection Improvements  
Old State Route 21 at Four Ridge Road  
Jefferson County, Missouri

LOG OF BORING: B-2

Project No. J027907.01

LOG OF BORING 2002 WL J027907.01 - OLD ROUTE 21.GPJ 00 CLONE M.E.GPJ 2/24/17 AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.





Surface Elevation: 934.09Completion Date: 2/1/2017Datum: NAVD88DEPTH  
IN FEET

## DESCRIPTION OF MATERIAL

GRAPHIC LOG

DRY UNIT WEIGHT (pcf)  
SPT BLOW COUNTS  
CORE RECOVERY/RQD

SAMPLES

## SHEAR STRENGTH, tsf

Δ - UU/2      ○ - QU/2      □ - SV  
0.5      1.0      1.5      2.0      2.5

STANDARD PENETRATION RESISTANCE  
▲ N-VALUE (BLOWS PER FOOT)  
(ASTM D 1586)

## WATER CONTENT, %

PL | 10 20 30 40 50 | LL

Topsoil - 6 inches

Very stiff, brown, FAT CLAY - (CH)

Hard, brown, LEAN CLAY, little weathered rock - CL

Hard, reddish-brown, FAT CLAY and weathered rock - CH

Hard, gray and reddish-brown, weathered rock and clay - GC

Highly to severely weathered LIMESTONE, some chert

Boring terminated at 35 feet.

101

ST1

4-8-23

SS2

7-11-20

SS3

50/4"

SS4

18-28

-50/3"

SS5

50/2"

SS6

50/4"

SS7

50/3"

SS8

50/3"

SS9

50/4"

SS10

50/3"

SS11

50/3"

SS12

50/1"

SS13

50/3"

SS14

## GROUNDWATER DATA

☒ FREE WATER NOT  
ENCOUNTERED DURING DRILLING

## DRILLING DATA

\_\_\_ AUGER 3 3/4" HOLLOW STEM  
WASHBORING FROM \_\_\_ FEET  
BLS DRILLER DWJ LOGGER  
CME 55TRK DRILL RIG  
HAMMER TYPE Auto  
HAMMER EFFICIENCY 88 %

REMARKS:

Drawn by: AGB

Checked by:

App'vd. by:

Date: 2/16/2017

Date:

Date:



Intersection Improvements  
Old State Route 21 at Four Ridge Road  
Jefferson County, Missouri

LOG OF BORING: B-4

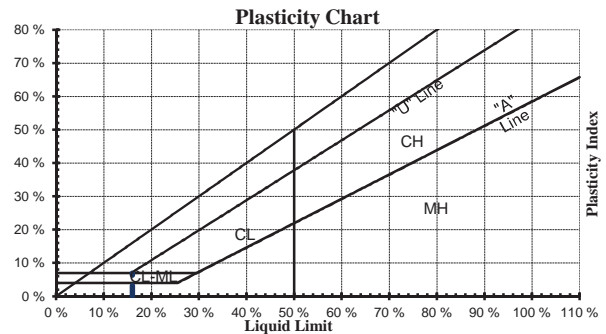
Project No. J027907.01

LOG OF BORING 2002 WL J027907.01 - OLD ROUTE 21.GPJ 00 CLONE ME.GPJ 2/24/17 AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES

**LEGEND**

CS	Continuous Sampler
GB	Grab Sample
NQ	NQ Rock Core
PST	Three-Inch Diameter Piston Tube Sample
SS	Split-Spoon Sample (Standard Penetration Test)
ST	Three-Inch Diameter Shelby Tube Sample
*	Sample Not Recovered
PL	Plastic Limit (ASTM D4318)
LL	Liquid Limit (ASTM D4318)
SV	Shear Strength from Field Vane (ASTM D2573)
UU	Shear Strength from Unconsolidated-Undrained Triaxial Compression Test (ASTM D2850)
QU	Shear Strength from Unconfined Compression Test (ASTM D2166)

**SOIL GRAIN SIZE**

US STANDARD SIEVE

	12"	3"	3/4"	4	10	40	200		
BOULDERS	COBBLES	GRAVEL		SAND			SILT	CLAY	
		COARSE	FINE	COARSE	MEDIUM	FINE			
	300	76.2	19.1	4.76	2.00	0.42	0.074	0.005	
SOIL GRAIN SIZE IN MILLIMETERS									

**UNIFIED SOIL CLASSIFICATION SYSTEM**

Major Divisions			Symbol	Description	
Coarse-Grained Soils (More than 50% Larger than No. 200 Sieve Size)	Gravel and Gravelly Soil	Clean Gravels Little or no Fines	GW	Well-Graded Gravel, Gravel- Sand Mixture	
			GP	Poorly-Graded Gravel, Gravel-Sand Mixture	
	Sand and Sandy Soils	Gravels with Appreciable Fines	GM	Silty Gravel, Gravel-Sand-Silt Mixture	
			GC	Clayey-Gravel, Gravel-Sand-Clay Mixture	
		Clean Sands Little or no Fines	SW	Well-Graded Sand, Gravelly Sand	
			SP	Poorly-Graded Sand, Gravelly Sand	
			Sands with Appreciable Fines	SM	Silty Sand, Sand-Silt Mixture
				SC	Clayey-Sand, Sand-Clay Mixture
Fine-Grained Soils (More than 50% Smaller than No. 200 Sieve Size)	Silts and Clays	Liquid Limit Less Than 50	ML	Silt, Sandy Silt, Clayey Silt, Slight Plasticity	
			CL	Lean Clay, Sandy Clay, Silty Clay, Low to Medium Plasticity	
			OL	Organic Silts or Lean Clays, Low Plasticity	
	Silts and Clays	Liquid Limit Greater Than 50	MH	Silt, High Plasticity	
			CH	Fat Clay, High Plasticity	
			OH	Organic Clay, Medium to High Plasticity	
	Highly Organic Soils		PT	Peat, Humus, Swamp Soil	

**STRENGTH OF COHESIVE SOILS****DENSITY OF GRANULAR SOILS**

Consistency	Undrained Shear Strength (tsf)	Unconfined Comp. Strength (tsf)	Descriptive Term	Approximate $N_{60}$ -Value Range
Very Soft	less than 0.125	less than 0.25	Very Loose	0 to 4
Soft	0.125 to 0.25	0.25 to 0.5	Loose	5 to 10
Medium Stiff	0.25 to 0.5	0.5 to 1.0	Medium Dense	11 to 30
Stiff	0.5 to 1.0	1.0 to 2.0	Dense	31 to 50
Very Stiff	1.0 to 2.0	2.0 to 3.0	Very Dense	>50
Hard	greater than 2.0	greater than 4.0		

N-Value (Blow Count) is the last two, 6-inch drive increments (i.e. 4/7/9, N = 7 + 9 = 16). Values are shown as a summation on the grid plot and shown in the Unit Dry Weight/SPT column.

**RELATIVE COMPOSITION****OTHER TERMS**

Trace	0 to 10%	Layer - Inclusion greater than 3 inches thick.
Little	10 to 20%	Seam - Inclusion 1/8-inch to 3 inches thick
Some	20 to 35%	Parting - Inclusion less than 1/8-inch thick
And	35 to 50%	Pocket - Inclusion of material that is smaller than sample diameter



Relative composition and Unified Soil Classification System (USCS) designations are based on visual descriptions and are approximate only. If laboratory tests were performed to classify the soil, the USCS designation is shown in parenthesis.



## **APPENDIX C**

### **GLOBAL STABILITY ANALYSIS RESULTS**

A-A'

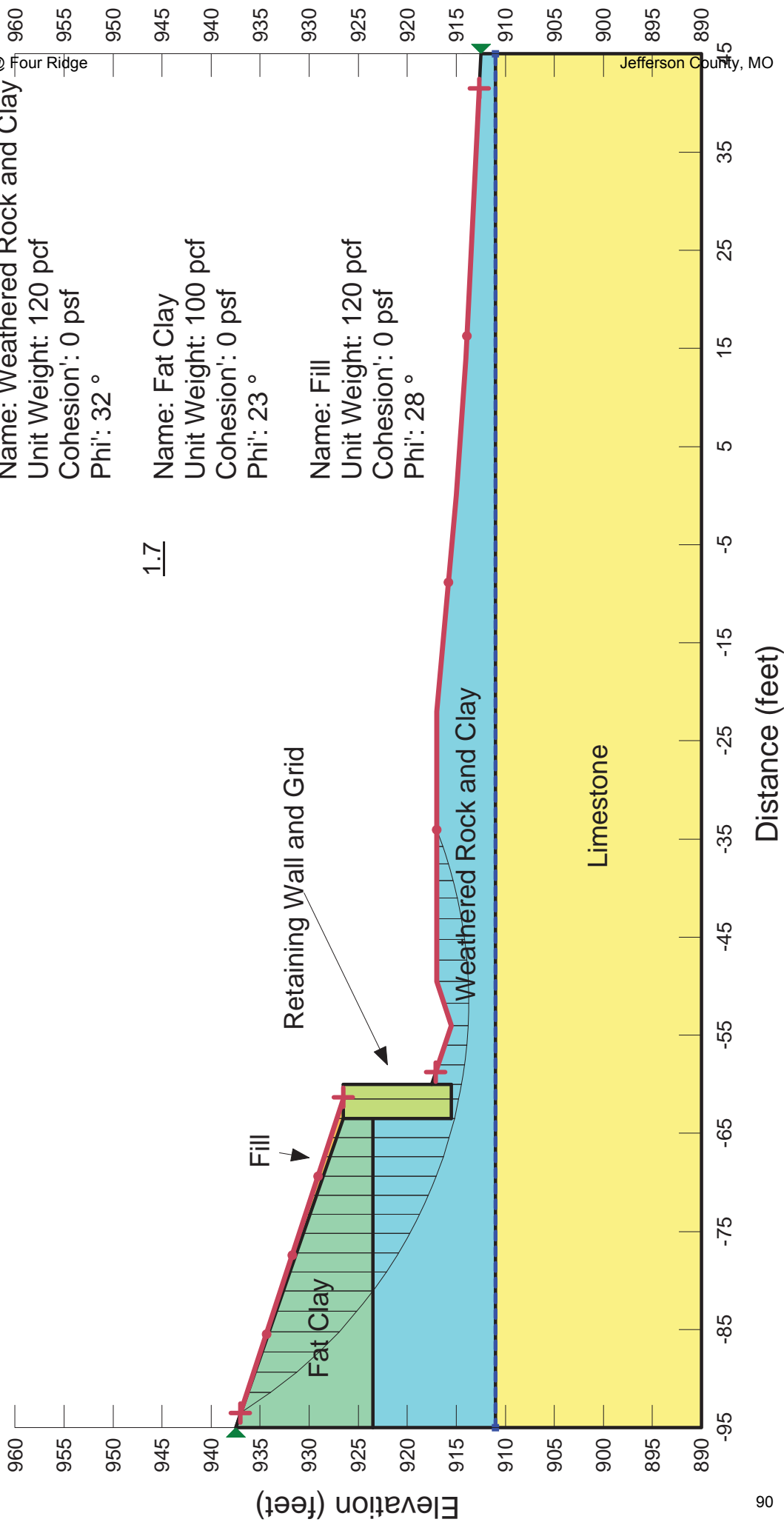
Old State Route 21 at Four Ridge Road  
STATION 668+50.00

Name: Limestone  
Name: Retaining Wall  
Unit Weight: 150 pcf

Name: Weathered Rock and Clay  
Unit Weight: 120 pcf  
Cohesion': 0 psf  
Phi': 32 °

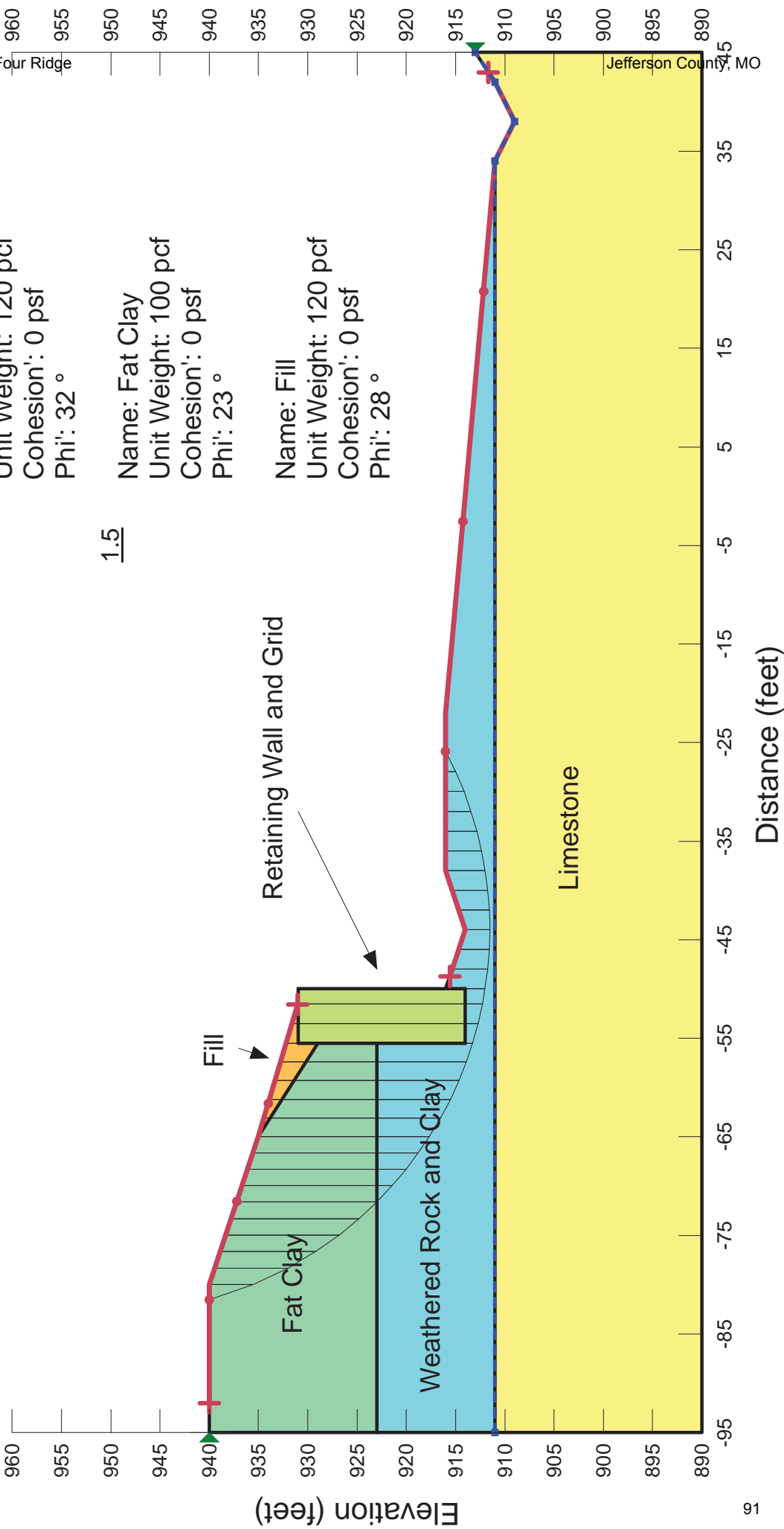
Name: Fat Clay  
Unit Weight: 100 pcf  
Cohesion': 0 psf  
Phi': 23 °

Name: Fill  
Unit Weight: 120 pcf  
Cohesion': 0 psf  
Phi': 28 °



B-B'

Old State Route 21 at Four Ridge Road  
STATION 669+50.00



Name: Limestone

Name: Retaining Wall  
Unit Weight: 150 pcf

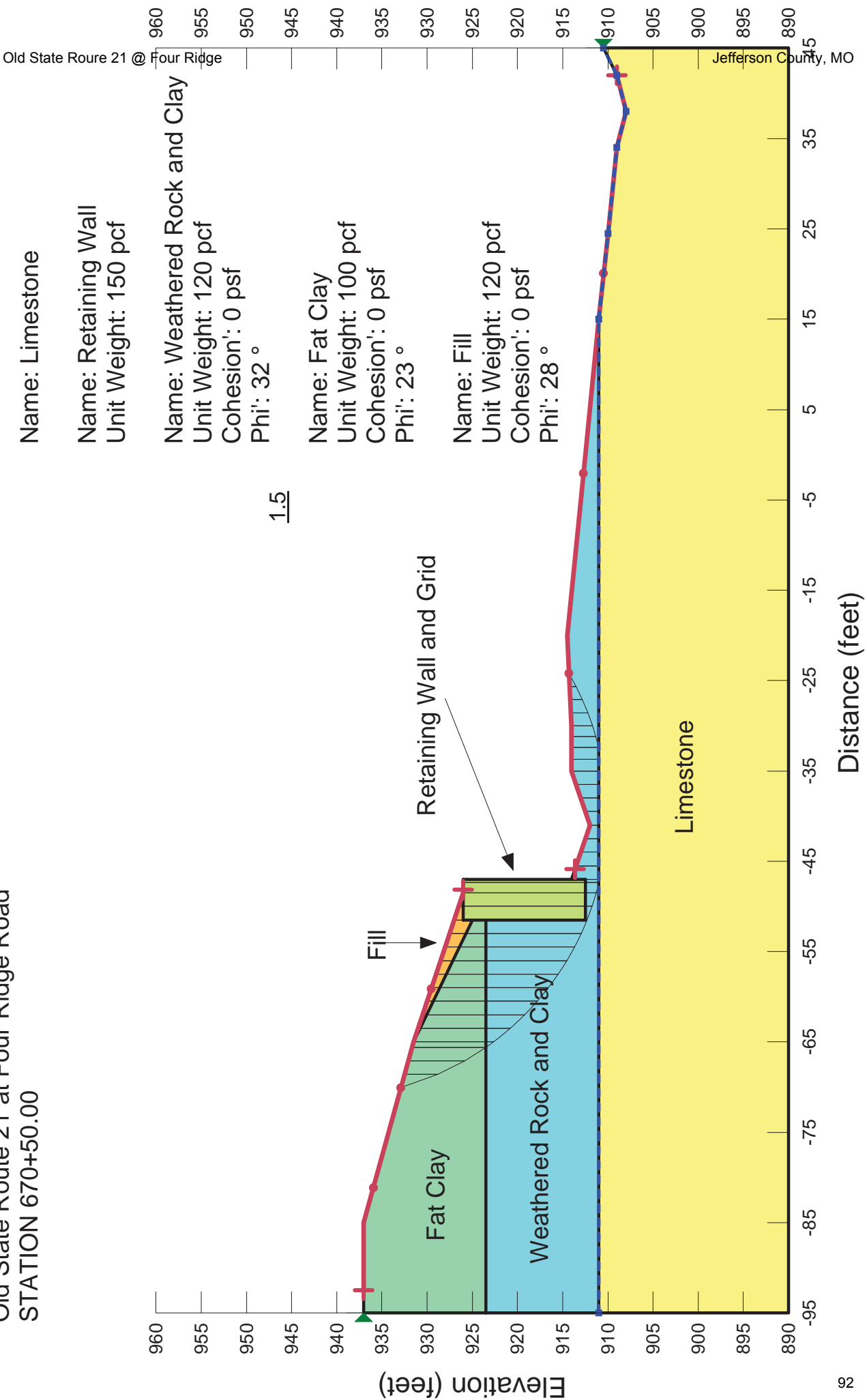
Name: Weathered Rock and Clay  
Unit Weight: 120 pcf  
Cohesion': 0 psf  
Phi': 32 °

Name: Fat Clay  
Unit Weight: 100 pcf  
Cohesion': 0 psf  
Phi': 23 °

Name: Fill  
Unit Weight: 120 pcf  
Cohesion': 0 psf  
Phi': 28 °

C-C'

Old State Route 21 at Four Ridge Road  
STATION 670+50.00





# REVISIONS TO MODOT STANDARD SPECIFICATIONS

Rev. 01/30/19

Modifications to the **2018** Missouri Standard Specifications for Highway Construction shall be as listed herein.

## SECTION 102

### **BIDDING REQUIREMENTS AND CONDITIONS**

*All references to submitting electronic bids in Section 102 shall be deleted. Please refer to the "Bid Notice" for directions to submit bids on County projects.*

Delete Section **102.3 Bidding** – in its entirety and replace it with the following:

**102.3 Bidding Documents.** Upon request, the County will furnish the bidding documents to the prospective bidder. These documents will generally be available on the County's website for download and viewing. All prospective bidders must complete the registration form titled "PLAN HOLDER CONTACT INFORMATION" to be eligible to bid on the project and in order to receive updated notices. The documents will state the location, description and requirements of the contemplated construction and will show the estimate of the various quantities and kinds of work to be performed or material to be furnished, and will have a schedule of items for which unit bid prices are invited. The bidding documents will state the time in which the work shall be completed, the amount of the bid guaranty, and the date, time and place of the opening of bids.

**102.3.1** All papers bound with or attached to or referenced in the bidding documents are considered a part thereof and must not be detached or altered when the bid is submitted.

**102.3.2** If applicable, the prospective bidder will be required to pay the Commission the sum stated in the notice of bid opening for each copy of a project's bidding documents. The *Missouri Standard Specifications for Highway Construction*, *Missouri Standard Plans for Highway Construction*, including all revisions of these documents, and other items referenced in the bidding documents, whether attached or not, will be considered a part of the bid. A prospective bidder will be expected to separately purchase or have access to the current edition of the *Missouri Standard Specifications for Highway Construction* and the *Missouri Standard Plans for Highway Construction*, including all revisions of these documents.

**102.3.3** It will be conclusively presumed that all of the bidding documents are in the bidder's possession and that these documents have been reviewed and used by the bidder in the preparation of any bid submitted. The effective dates of the *General Provision & Supplemental Specifications* and the *Supplemental Plans for Highway Construction* will be specified in the contract documents. A copy of the latest version of these documents is available on MoDOT's web site.

Delete Section **102.7 Preparation of Bidding Documents** – in its entirety and replace it with the following:

**102.7 Preparation of Bidding Documents.** All bids shall be properly signed, sealed and submitted in accordance with Sec 102.10. Each bidder shall specify in the bid, in figures, a unit price for each of the separate items listed in the bidding documents, except a unit price entry will not be necessary for those items having a quantity of one and only the amount for that item need be entered. Zero will be considered a valid bid. The bidder shall not enter zero in any "Unit Price" field unless zero is the intended bid for that item. A unit price left blank, with or without an extension, other than items having a quantity of one, will be considered as zero by the Commission. In case of alternate items, unit prices shall be entered for only one alternate, unless otherwise specified in the bidding documents. A unit price shall not exceed two decimal places. Bids shall not contain interlineations, alterations or erasures except as noted in Sec 102.7.1. The bidder shall show the products of the respective unit prices and quantities in the amount column provided for that purpose. The extension of each line item shall be rounded to the nearest second decimal place value, with half cents rounded up. These extensions shall be totaled and in case of errors or discrepancies in extensions, the unit prices shall govern. All entries in the bid shall be in ink or typewritten. If, in the sole discretion of the engineer, an obvious and apparent clerical error exists in the unit price listed for an item due to a misplaced decimal, but the extension appears to be correct and as intended in all respects, the engineer may correct the unit price bid in accordance with the extension listed. All errors in extensions or totals will be corrected by the engineer and such corrected extensions and totals will be used in comparing bids.

**102.7.1** A bidder may alter or correct a unit price, lump sum bid or extension entered on the paper bid form or the computer-generated itemized paper bid form by crossing out the figure with ink and entering a new unit price, lump sum bid or extension above or below in ink, with the bidder's initials.

**102.7.2** A bidder may submit a separate bid on any or all projects, except that bids shall be submitted for all projects in a required combination. Bidders not having the ability to simultaneously execute all contracts for bids submitted during a bid opening may state, in one of the bids, the maximum total value of contract awards the bidder is willing to accept for that bid opening. Only one

statement of "Maximum Monetary Value of Awards Accepted this Bid Opening" shall be completed per bid opening. In the event a bidder submits multiple statements of maximum award, the lowest value stated will be used. The Commission reserves the right to select and award the combination of bids, not exceeding this maximum, that will be to the best interest of the County provided these bids are in conformance with the requests for bids. Any corrected bid that exceeds the lowest specified maximum award may be declared non-responsive.

**102.7.3** The bid of an individual, including those doing business under a fictitious name, shall include the signature and address of the individual. The signature shall be exactly the same as that appearing on the contractor questionnaire.

**102.7.4** The bid by a partnership or joint venture, including individuals doing business under fictitious names or corporations, shall be executed by at least one of the partners followed by the title "Partner" or one of the joint venturers followed by the title "Joint Venturer" and the business address of the partnership or joint venturer shown. The true legal name and address of each partner and joint venturer shall also be shown and shall appear exactly the same as that shown on the contractor questionnaire.

**102.7.5** The bid by a corporation, whether acting alone or as a joint venturer, shall show the address and name of the corporation exactly as shown on the contractor questionnaire, and shall include the signature or digital ID and title of a person authorized by its board of directors to bind the corporation.

**102.7.6** Each bidder shall submit with each bid a sworn statement, executed by or on behalf of the bidder to whom a contract may be awarded, certifying that the bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with the bid or any contract that may result from its acceptance.

**102.7.7** A bid will not be accepted or considered if the bid is the product of collusion among bidders, if the bidder is disqualified or determined not responsible or if the bid is irregular in accordance with Sec 102.8.

Delete Section **102.9 Bid Guaranty** – in its entirety. *(See Section 11 of the "Instructions and Notices to Contractors" in the bid documents)*

Delete Section **102.10** in its entirety.

Delete Section **102.11** in its entirety.

## **SECTION 105**

### **CONTROL OF WORK**

Delete Section 105.1- Authority and Duties of Commission in Contract Administration - items (a) through (h) that pertain exclusively to MoDOT and not to the County of Jefferson.

Revise 105.4 - Coordination of Contract Documents. - such that the governing ranking will be as follows:

- (a) Job Special Provisions
- (b) Project Specific Drawings
- (c) General Provisions
- (d) Revisions to MoDOT Standard Specifications
- (e) General Special Provisions
- (f) Supplemental Specifications
- (g) Standard Specifications
- (h) Standard Drawings
- (i) Bid Items or Quantities

In case of discrepancies, calculated dimensions will govern over scaled dimensions.

## **SECTION 107**

### **LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC**

If a Corps of Engineers 404 Permit or Department of Natural Resources Section 401 permit is applicable for a project, then the permit requirements and conditions will prevail over Section 107.10.

**SECTION 109****MEASUREMENT AND PAYMENT**

Delete Section 109.9.1.2 of Division 109.9 - Retained Percentage - in its entirety. Delete Section

109.14 – Price Adjustment for Fuel - in its entirety.

**SECTION 201****CLEARING AND GRUBBING**

Add the following to Section 201.2.2.1 **Clearing**:

(e) All branches hanging lower than 18 feet above the finish roadway surface shall be removed over all lanes of traffic, including up to 3 feet outside the traveled edge of pavement.

**SECTION 203****ROADWAY AND DRAINAGE EXCAVATION, EMBANKMENT AND COMPACTION**

Modify Section 203.3.1 of Section 203.3 – Borrow – as follows:

Replace the first sentence with the following: Borrow will consist of approved material required for the construction of embankment or for other portions of the work, and shall be obtained either from borrow areas shown on the plans, from areas designated by the engineer, or from other approved sources.

Modify Section 203.4 as follows:

Delete the reference in Section 203.4.1 that states, “Finishing by hand methods will not be required,...”: Replace with the following:

Hand raking or fine grading by mechanical means of the disturbed areas shall be required to remove debris and stones. The soil shall be tilled to a depth of 4” and graded to a reasonably smooth surface. All brush, weeds, excess mud and silt, or other debris shall be removed from culverts and channels within the scope of the work in accordance with Sec 104.11.2, even if such structures are used in place.

Replace Section 203.4.1.1 with the following:

**Field Stone.** Before final project acceptance, the removal and disposal requirements of all loose field stones shall be guided by the following table:

<u>Location - limits</u>	<u>Limits</u>	<u>Maximum Stone Size</u>
Residential and business where lawns are maintained	All disturbed areas	Relatively free of stones – ½” maximum
Foreslopes, roadside ditches and backslopes outside of maintained lawn areas	Right of way	1” maximum
Rock cut sections	All disturbed areas	As directed by the Engineer

**SECTION 206****EXCAVATION FOR STRUCTURES**

Replace Section 206.5.2 – with the following: “Final measurement of Class 3 Excavation for pipe culverts, utilities, retrofit pipe culverts, drop inlets or manholes will be made to reflect the actual computed quantity established from field measurements. The plan quantities were estimated based on the random boring data and visual observations of the adjacent existing ditch lines. The revision or correction will be computed and added to or deducted from the contract quantity. Measurement of Class 3 Excavation will be made to the nearest cubic yard for each structure of that volume of material actually removed from within the area bounded by vertical planes of 12 inch minimum to 18 inches maximum outside of the outer walls of the structure. The upper limits of the volume measured, will be the existing ground line, or the lower limits of the roadway excavation, whichever is lower. The lower limits of the volume measured will include excavation necessary for pipe bedding.

**SECTION 304****BASES AND AGGREGATE SURFACES**

Delete Section 304.3.5 - Substitutions for Aggregate Base - in its entirety.

Modify Section 304.5 – Method of Measurement – as follows:

Final measurement of the completed aggregate base course will be based on actual field measurements to the nearest square yard.

Replace Section 304.6 - Basis of Payment – with the following: “The accepted quantities of aggregate base course of the thickness and type specified will be paid for at the contract unit price for each of the pay items included in the contract. Payment will be considered full compensation for water used in performing this work.”

**SECTION 401****PLANT MIX BITUMINOUS BASE AND PAVEMENT**

Section 401.4 Job Mix Formula – The County may waive submission of representative mixture samples. The Contractor, at the time he submits his job mix formula, shall request in writing whether samples are required. The County will respond in writing and if samples are required, they shall be submitted within ten working days of receipt of the County’s letter.

Section 401.4.1 Mixture Design – Modify this paragraph as follows:

The mix design shall be submitted to the County for approval at least seven (7) days prior to mixture production. A mix design shall be submitted for all County projects. The composition of the mixture shall conform to the following limits by weight:

Total Mineral Aggregate 94.0-96.5 %

Asphalt Binder 3.5-6.0 %

Add the following item to Section 401.4.2 – Required Information:

(q) Unit weight of combined mixture.

Modify Section 401.4.3 Mixture Approval so that “Jefferson County” is substituted where it presently reads “Construction and Materials”.

Delete Section 401.5.2 Substitutions - in its entirety. Delete

Section 401.6 Field Laboratory – in its entirety. Delete Section

401.7.1 and replace with the following:

401.7.1 Weather Limitations. Bituminous mixtures shall not be placed (1) when either the air temperature or the temperature of the surface on which the mixture is to be placed is below 40 F (5 C), (2) on any wet or frozen surface, or (3) when weather conditions prevent the proper handling or finishing of the mixture. Temperatures are to be obtained in accordance with MoDOT Test Method TM20.

If a rainfall event occurs (with rain duration lasting more than 5 min.) before 10am on any given workday, then paving operation shall be cancelled for the balance of that workday and the contractor is not charged for the workday. Once a rainfall event begins the contractor is to immediately shut down plant mix operation. No pavement materials will be accepted at the construction site until further notice from engineer. At the contractor’s request, the engineer may waive these requirements on an individual basis.

401.7.5.1 Irregularities. Add a sentence preceding the sentence “The outside edge alignment shall be uniform” as follows: The outside edges of the pavement shall be constructed to an angle of approximately 45 degrees with the surface of the roadbed and rolled with a hand roller for a smooth appearance.

Replace Section 401.8 Quality Control with the following:

The Contractor shall maintain equipment and qualified personnel or retain the services of a qualified testing laboratory to perform QC field inspection, sampling and testing in accordance with applicable portions of Section 403. The testing service shall be a firm different than the one retained by the County for testing services on that project. The Contractor shall notify the Engineer at the preconstruction meeting who he intends to use for testing services, the name of a contact person and his or her telephone number. A proposed third party testing service for dispute resolution shall be included with the mix design submittal.

Replace the last sentence in Section 401.8.4 Pavement Testing with the following:

The Contractor shall restore the surface from which samples have been taken immediately with the mixture under production or with a non-shrink concrete grout. A cold patch mixture will not be acceptable.

Replace Section 401.13 Method of Measurement with the following:

Measurement will be in accordance with Sec 403.22 and as modified by the job special provisions.

## **SECTION 402**

### **PLANT MIX BITUMINOUS SURFACE LEVELING**

Delete Section 402.2.2 – in its entirety.

Add the following sentence to the beginning of Section 402.3 Composition of Mixture:

Mixture shall meet the requirements of the asphalt type specified in the contract and/or bidding documents. Section 402.4 –

Replace with the following:

402.4 Job Mix Formula. The mixture shall be in accordance with Sec 401.4 and shall conform to the following limits by weight:

Total Mineral Aggregate 92.0-96.5 %  
Asphalt Binder 3.5-8.0 %

Delete Section 402.9 - in its entirety.

## **SECTION 403**

### **ASPHALTIC CONCRETE PAVEMENT**

Delete Section 403.4.1 – in its entirety.

Replace “Construction and Materials” in Section 403.4.3 with “the Engineer”.

Section 403.6 – Delete the first sentence in its entirety. Revise the fourth sentence to read: “The gyratory compactor shall be one from MoDOT’s Construction and Materials approved list.”

Delete Section 403.10.2 Substitutions – in its entirety.

Section 403.11.1 Field Mix Redesign – Replace “Central Laboratory” with “Engineer”.

Section 403.11.1.1 Approval – replace “Construction and Materials” with “the Engineer”. Delete the second sentence in this section.

Modify the first sentence of 403.17.1 Quality Control Operations – to read “The Contractor shall maintain or retain equipment and qualified personnel to perform all QC field inspection, sampling and testing as required by this specification.” Add the following sentence: “The personnel, if from an independent testing laboratory, shall be different than the company retained by the County for QC purposes.”

Section 403.17.2 Bituminous Quality Control Plan – Change “Construction and Materials” to “the Engineer”.

Revise the last sentence of 403.22.4.2 Surface Restoration to read: “If bituminous construction has been completed, the surface from which samples have been taken shall be restored within 48 hours with an approved commercial mixture or with an approved non-shrink concrete grout. Cold mix is not an acceptable patch.

Delete Sections 403.23.5 through 403.23.7.3 inclusive.

**SECTION 407****TACK COAT**

Add Section 407.4.1.3 Weather Limitations. Tack coat shall not be applied when either the air temperature or the temperature of the surface to be tacked is below 40 F. Temperatures are to be obtained in accordance with MoDOT Test Method TM20.

**SECTION 408****PRIME COAT**

Add Section 408.4.1.1 Weather Limitations. Bituminous material shall not be applied (1) when either the air temperature or the temperature of the surface to be primed is below 60 F or (2) when weather conditions prevent the proper construction of the prime coat. Temperatures are to be obtained in accordance with MoDOT Test Method TM20.

**SECTION 413****SURFACE TREATMENTS**

Replace “Construction and Materials” in Section 413.30.3 with “the Engineer”. Replace

“Construction and Materials” in Section 413.30.3.1 with “the Engineer”.

Revise Section 413.30.6.1 as follows: **Quality Control Operations.** Quality control shall be conducted in accordance with Sec 403.17 as modified herein by the “**REVISIONS TO MODOT STANDARD SPECIFICATIONS**”, except as follows.

**SECTION 501****CONCRETE**

Section 501.3 Mix Design. – Change the last sentence to read:

“The Contractor may be required to submit representative samples of each ingredient to the Engineer for laboratory testing.”

Revise Section 501.8.2 (f), the fifth sentence, “The Engineer may allow the use of the test concrete for appropriate incidental construction”, shall be deleted. In its place add the following sentence – “Test concrete shall not be used in construction”.

Revise Section 501.8.10 to delete the Type 1 field laboratory at the proportioning plant.

**SECTION 502****PORTLAND CEMENT CONCRETE BASE AND PAVEMENT**

Delete Section 502.3.7 - in its entirety.

Revise the first sentence in Section 502.11.1 to read, “Prior to approval of concrete mix designs by the engineer, the contractor shall submit a QCP to the County.”

Table I shall be revised so that “Percent of Contract Price” does not exceed 100.

Delete Sections 502.15.3 Width, 502.15.4 Pay Factors, and 502.15.8 PWL Determination Table in their entirety.

**SECTION 601****FIELD LABORATORIES**

Delete this Section in its entirety.

**SECTION 603****WATER LINE INSTALLATION**

Revise Section 603.2 - Material. To include the following sentence after the table:

Materials other than those shown may be specified by the Engineer and shall meet AWWA, ASTM, ANSI and NSF specifications.

Revise Section 603.3.4 - Abandoned Water Mains. To include the following at the end of this section:



8" and larger abandoned water mains remaining under the completed road and or shoulder shall be abandoned by grout filling the line. Grout shall consist of Mortar for Grout as specified in Section 1066. The cost of the grout, plugs, labor, fuel and equipment shall be included in the lump sum unit cost for "Removal of Improvements". Smaller watermain shall be abandoned as noted above by capping and covering the cap with concrete. PVC watermain may be capped with caps made of the same material, glued in place.

## **SECTION 605**

### **UNDERDRAINAGE**

Delete Sections 605.10.2.5 through 605.10.2.5.3 in their entirety. Video inspection of edge drains will not be required.

## **SECTION 622**

### **PAVEMENT AND BRIDGE SURFACE REMOVAL AND TEXTURING**

Revised Section 622.10.4 to read:

Final measurements of coldmilling of the type specified will be based on actual field measurements to the limits shown on the plans or as directed by the Engineer, and computed the nearest square yard. Revisions or corrections will be computed and added or deducted from the contract quantity.

## **SECTION 627**

### **CONTRACTOR SURVEYING AND STAKING**

Add the following to the end of Section 627.2.1:

In addition, the Contractor shall protect and carefully preserve all official survey monuments, property marks, section markers and Geological Survey Monuments, or other similar monuments. The Contractor shall notify the Engineer of the presence of any such survey or property monuments as soon as they are discovered.

Revised Section 627.2.3 to read:

The project will generally have set control points with known coordinates provided by the design consultant. The engineer will furnish all coordinate data to lay out the job and locate benchmarks as shown on the plans. Except as specified herein, the contractor shall provide all other staking, including but not limited to, centerline stakes, right of way stakes, additional lines, connections, ramps, slope stakes, grade stakes, construction benchmarks and reference stakes locating all drainage, roadway and bridge structures, and utilities necessary for the successful prosecution of the work. Centerline staking shall be done before construction begins and shall be established at all PIs, PCs, PTs and at 100 foot intervals within the proposed project limits, including any temporary transition lengths outside the projects limits. Right of way staking shall be a maximum of 200 feet apart on tangents, at angle changes in the right of way and a maximum of 50 feet apart in horizontal curves, on both sides of the road, at all parcel property lines, and shall be done at the initial start of the project to facilitate relocation of utilities. Right of way stakes shall indicate cuts and fills to final grade for help in determination of utility placement. The contractor shall maintain construction stakes for the duration of the project at no additional cost to the County. All alignment control established by the contractor shall be referenced, and a copy of the references shall be furnished to the engineer.

Revised Section 627.2.4 to read:

Any surveying or measurements necessary for computing pay quantities, except for earthwork pay items which quantities are based on cross sections measurements, will be performed by the engineer. The contractor shall notify the engineer at least two working days prior to disturbing any areas used to calculate pay items.

Earthwork pay items which quantities are based on cross section measurements shall have "before" and "after" cross sections performed by the contractor. The contractor shall notify the engineer prior to surveying the cross sections so that a field representative, designated by the engineer, can be present to witness and record and/or verify the readings. The contractor shall cooperate with the designated field representative in coordinating the surveying activities.

Add the following to the end of Section 627.2.1:

Should it be necessary to disturb any survey or property monument (grading, install structure), a Missouri Professional licensed surveyor shall witness and reference their location, and reset such monument after construction work is completed and before final acceptance of project. The cost to protect, preserve and provide any surveying work to reset survey or property monuments will not be paid for separately, but shall be considered as included in the cost of the project, and no additional compensation shall be allowed.

**SECTION 703****CONCRETE MASONRY CONSTRUCTION**

Add a sentence to the end of Section 703.3.8 -Surface Sealing for Concrete – that reads: “Surface sealing shall not be applied until after all defects in the bridge deck surface have been patched per the Engineer’s requirements.”

**SECTION 706****REINFORCING STEEL FOR CONCRETE STRUCTURES**

Delete the last sentence in Section 706.2.2 that allows flame cutting of uncoated reinforcement. Reinforcement shall be saw cut or sheared.

Delete the sentences in Section 706.3.1 that reads: “For bridge decks and top slabs of culverts, bars in the top mat shall be tied at all intersections except where spacing is less than or equal to 12 inches in each direction, in which case alternate intersections shall be tied. At other locations, the bars shall be firmly tied at alternate crossings or closer.” Replace this sentence with: “All reinforcement, including superstructure and substructure, shall be tied at 100% of crossing locations.”

**SECTION 712****STRUCTURAL STEEL CONSTRUCTION**

Delete the sentence in Section 712.3 that reads: “Any material that has become bent shall be straightened before being assembled or shall be replaced, if necessary.” Replace it with the following: “Any material that has become bent from the intended shape shall be replaced at no cost to the County.”

**SECTION 720****MECHANICALLY STABILIZED EARTH WALL SYSTEMS**

Delete Section 720.3.1 - in its entirety and replace with the following:

The Contractor shall submit product information on the type of mechanically stabilized earth wall system he is proposing. The wall shall be in conformance with the Plans and Job Special Provisions. Shop drawings and design calculations shall be submitted and shall be signed and sealed by a Professional Engineer registered in the state of Missouri.

**SECTION 724****PIPE CULVERTS**

Revise Section 724.3.1 to read:

Inspection of pipe and pipe placement will be performed visually by the County during construction. Delete Sections

724.3.2, 724.3.3, 724.3.4, 724.3.4.1, 724.3.5, 724.3.6, 724.3.7, 724.3.8, and 724.3.9.

Revise Section 724.4.1 to read:

Final measurements of pipe culverts of the type specified will be based on actual field measurements to the nearest lineal foot along the geometric center of the pipe. Revisions or corrections will be computed and added or deducted from the contract quantity.

**SECTION 725****METAL PIPE AND PIPE ARCH CULVERTS**

Revise Section 725.4 to read:

Backfill material for metal culverts shall consist of crushed stone. Revise Section

725.4.1 to read:

Crushed stone shall consist of a mixture of stone in accordance with Section 1009, Grade 4, Gradation B. For all pipe culverts under roadways or sidewalks crushed stone backfill shall be used for full depth of the trench, and to the subgrade of the road, and to a point two feet on either side of the pavement width. For backfill under grass areas, the granular backfill shall be brought to one foot above the top of the pipe, then completed with earthen backfill to the required grade. Bedding material shall be the same as that specified above for backfill.

**SECTION 726****RIGID PIPE CULVERTS**

Delete Section 726.1.2.

Modify the sixth sentence in Section 726.3.1 to read:

All joints shall be sealed with an approved plastic compound, tubular joint seal, an external wrap, cement mortar or other approved methods to create a soil tight condition.

Modify 726.3.2 **Bedding** to read:

Bedding for reinforced concrete pipe shall consist of a mixture of stone in accordance with Section 1009, Grade 4, Gradation B.

Section 726.3.4 - Insert the following after the second sentence:

For all pipe culverts under roadways or sidewalks crushed stone backfill, meeting the requirements of Section 1009, Grade 4, Gradation B, shall be used for full depth of the trench, and to the subgrade of the road, and to a point two feet on either side of the pavement width. For backfill under grass areas, the granular backfill shall be brought to one foot above the top of the pipe, then completed with earthen backfill to the required grade.

**SECTION 727****STRUCTURAL PLATE PIPE AND STRUCTURAL PLATE PIPE-ARCH CULVERTS**

Delete 727.3.3 Bedding and Backfill material and replace with the following:

727.3.3 Bedding and Backfill Material. Bedding for structural plate pipe and structural plate pipe-arch culverts shall consist of a mixture of stone in accordance with Section 1009, Grade 4, Gradation B, except if rock is encountered, the trench shall be excavated to a minimum depth of 8 inches below the bottom of the culvert.

Delete Section 727.3.4.1 and Section 727.3.4.2 and replace with the following:

Backfill shall be with crushed stone consisting of a mixture of stone in accordance with Section 1009, Grade 4, Gradation B. Stone backfill shall be used for full depth of the trench, and to the subgrade of the road, and to a point two feet on either side of the pavement width. Layers of backfill shall be carefully tamped in place and shall be kept at approximately the same elevation on opposite sides of the structure at all times during the progress of work in order to equalize the loading.

**SECTION 731****PRECAST REINFORCED CONCRETE MANHOLES AND DROP INLETS**

Revise Section 731.4.1 to read:

Final measurements of precast concrete manholes and drop inlets will be based on actual field measurements to the nearest lineal foot along the geometric center of the manhole/drop inlet. Revisions or corrections will be computed and added or deducted from the contract quantity. The depth of the structure will be the vertical distance from the top of the uppermost precast section to the invert flowline.

**SECTION 732****FLARED END SECTIONS**

Delete the second sentence in Section 732.5 that reads:

When two different diameters of pipe are shown on the plans for a given location for Group B or Group C pipe, the contract unit price for the flared end section or safety slope end section that would be required for the larger diameter pipe will be used for payment purposes.

**SECTION 801****LIME AND FERTILIZER**

Revise the third sentence in Section 801.4.1 to read:

The soil shall be thoroughly broken up, worked, tilled and loosened to a minimum depth of 4 inches. Revise the

second sentence of 801.4.2 to read:

After application, the lime and fertilizer shall be thoroughly mixed into the soil to a minimum depth of 4 inches, except when applied hydraulically on slopes steeper than 2:1.

## **SECTION 802**

### **MULCHING**

Add the following to Section 802.1 **Description**:

If a specified stabilization covering is not indicated in the contract, mulch overspray shall be applied over rocky type soils. In all other cases the contractor shall have the options of mulch overspray, embedment, or other methods as approved by the engineer.

## **SECTION 803**

### **SODDING**

Add the following to Section 803.3 Construction Requirements:

Sodding placed at the downstream end of a flared end section or the downstream end of a pipe without a flared end section shall be securely fastened with metal clips. The sod shall be placed slightly lower than the flowline of the flared end section or the flowline of the culvert. Sod washed away by flows through the culvert shall be cleaned up, disposed of and replaced by the Contractor at no additional charge to the County.

## **SECTION 804**

### **TOPSOIL**

Add Section 804.3.3 The Contractor shall be responsible for obtaining all necessary permits for removal of topsoil from an area. This shall include but not be limited to land disturbance, stormwater discharge, endangered species, farmland protection, wetlands, hazardous waste and cultural resources. Contact agencies for most of these are listed on MoDOT's website under Local Public Agency Manual.

## **SECTION 805**

### **SEEDING**

Revised the following under Section 805.3 **Construction Requirements**:

**805.3.1** The seedbed shall be prepared in accordance with Sec 801. Seeding shall be done before the seedbed becomes eroded. Seed shall be uniformly applied at no less than the rates specified in the contract provisions. If no seeding rates are shown in the contract documents, the following seeding and fertilizing rates shall be used:

(pure live seed per acre)		(based on pure nutrients, no filler)	
Tall Fescue	60%	120 lbs per acre	Nitrogen 80 lbs per acre
Orchard Grass	20%	40 lbs per acre	Phosphoric Acid 80 lbs per acre
Annual Rye	20%	40 lbs per acre	Potash 80 lbs per acre
Total		200 lbs per acre	Total 240 lbs per acre

Revise 805.3.2 to read:

**805.3.2** Disturbed areas outside of authorized construction limits shall be seeded at the contractor's expense, unless such disturbed areas are adjacent to the construction limits and caused by utility relocation/adjustment work. Disturbed areas caused by such utility work shall be prepared and seeded as directed by the Engineer.

Add Section 805.3.4:

**805.3.4** Seeding application methods shall be as follows:

Drop seeding shall only be allowed in small disturbed areas as approved by the engineer; Drill seeding shall be allowed for flat areas and slopes up to 3(H):1(V); and

Hydro seeding shall be required on slopes 3(H):1(V) or steeper.

Revise Section 805.4 to read:

**805.4 Acceptance.** Acceptance of permanent seeding will be made when seeded disturbed areas meet the requirements for final

**Old State Route 21 @ Four Ridge** Jefferson County, MO stabilization as defined as a minimum uniform 70% cover in Jefferson County, MO vegetative cover over disturbed land areas. Inspection for acceptance will be made within 60 days after seeding excluding seeding dates that fall between September 30 and March 1. Seeding that occurs between September 30 and March 1 will be inspected no earlier than May 1.

## **SECTION 806**

### **POLLUTION, EROSION AND SEDIMENT CONTROL**

Revise 806.4.4 to read as follows:

Erosion control features shall be in place prior to any clearing and grubbing of the construction site. Additional erosion control features may need to be installed as the project continues and problem areas become exposed. Until the site is stabilized, all erosion and sedimentation control BMPs must be maintained properly. Maintenance must include inspections of all erosion and sedimentation control BMPs after each rainfall event and on a weekly basis. A written inspection report by the contractor shall be submitted to the engineer after every inspection. The report shall state a summary of the site conditions, status of the erosion and sediment control BMPs, date, time and name of inspector. The Contractor shall maintain all erosion control features by removing silt buildup so that the erosion control feature is fully effective. Any erosion control features knocked down during construction shall be reinstalled at no additional cost to the County.

Add a paragraph to 806.80.3 as follows:

The Contractor shall maintain the temporary pipes throughout the length of the project. Pipes, backfill and road surface washed out shall be replaced at no additional cost to the County.

Add the following sentence to 806.100.2.2:

The Contractor shall maintain the temporary stream crossing throughout the length of the project. Pipes, backfill and road surface washed out shall be replaced at no additional cost to the County.

**END OF “REVISIONS TO MODOT STANDARD SPECIFICATIONS”**

# **Special Provisions**

**(see Table of Contents for documents and page numbers)**



# AFFIDAVIT COMPLIANCE WITH THE PREVAILING WAGE LAW

Before me, the undersigned Notary Public, in and for the County of \_\_\_\_\_, State of \_\_\_\_\_,  
personally came and appeared \_\_\_\_\_

(Name)

\_\_\_\_\_ of \_\_\_\_\_

(Title)

(Company Name)

(a corporation)(a partnership)(a proprietorship) and after being duly sworn did depose and say that all provisions and requirements set out in Chapter 290, Sections 290.210 through and including 290.340, Missouri Revised Statutes, pertaining to the payment of wages to workers employed on public works projects have been fully satisfied and there has been no exception to the full and complete compliance with said provisions and requirements with Wage Determination No. \_\_\_\_\_ or Annual Wage Order No. \_\_\_\_\_ issued by the Division of Labor Standards on project \_\_\_\_\_,

(Job Number)

\_\_\_\_\_

(Route or location, if building construction)

\_\_\_\_\_ County, Missouri, and completed on the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Signature

Subscribed and sworn to me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

My commission expires \_\_\_\_\_, 20\_\_\_\_.

Notary Public

(Revised 03-23-00)

REQUIRED CONTRACT PROVISIONS

**FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

**ATTACHMENTS**

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

**I. GENERAL**

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

**II. NONDISCRIMINATION**

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

**1. Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

### Old State Route 21 @ Four Ridge

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

'It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training.'

**2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

Jefferson County, MO

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: 'An Equal Opportunity Employer.' All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

**a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.**

**b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.**

**c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.**

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

### 6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

**8. Reasonable Accommodation for Applicants / Employees with Disabilities:** The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

**9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

#### **10. Assurance Required by 49 CFR 26.13(b):**

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

### III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

#### 1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions

of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or



will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## 2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

## 3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.



(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### 4. Apprentices and trainees

##### a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

##### b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

**6. Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

**7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

**9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

**10. Certification of eligibility.**

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

**V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

**1. Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

**2. Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

**3. Withholding for unpaid wages and liquidated damages.** The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

**4. Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

## VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;
- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

## VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

## VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

#### **IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

#### **X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

##### **1. Instructions for Certification – First Tier Participants:**

- a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.
- b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.



i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

\* \* \* \* \*

## **2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:**

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

## **2. Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

\* \* \* \* \*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\* \* \* \* \*

**XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.



**ATTACHMENT A - EMPLOYMENT AND MATERIALS  
PREFERENCE FOR APPALACHIAN DEVELOPMENT  
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS  
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment

Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

**FHWA-1273 May 1, 2012**

## **FEDERAL AID PROVISIONS**

**December 1980**

### **NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror's or Bidders attention is called to the "Equal Opportunity Clause" and the Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth therein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:
3. Construction contractors which are participating in an approved Hometown Plan (see 41 CFR 60-4.5) are required to comply with the goals of the Hometown Plan with regard to construction work they perform in the area covered by the Hometown Plan. With regard to all their covered construction work, such contractors are required to comply with the following goals:

Goals for Female participation for each trade

#### AREA COVERED

Goals for women apply nationwide

#### GOALS AND TIMETABLES

#### **Goals**

Timetable	(Percent)
From April 1, 1978 until March 31, 1979	3.1
From April 1, 1979 until March 31, 1980	5.1
From April 1, 1980 until March 31, 1981	6.9

#### **Goals for Minority Participation for Each Trade**

<b><u>County</u></b>	<b><u>Goal (Percent)</u></b>	<b><u>County</u></b>	<b><u>Goal (Percent)</u></b>
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Adair	4	Linn	4
Andrew	3.2	Livingston	10
Atchison	10	McDonald	2.3
Audrain	4	Macon	4
Barry	2.3	Madison	11.4
Barton	2.3	Maries	11.4
Bates	10	Marion	3.1
Benton	10	Mercer	10
Bollinger	11.4	Miller	4
Boone	6.3	Mississippi	11.4
Buchanan	3.2	Moniteau	4
Butler	11.4	Monroe	4
Caldwell	10	Montgomery	11.4
Callaway	4	Morgan	4
Camden	4	New Madrid	26.5
Cape Girardeau	11.4	Newton	2.3
Carroll	10	Nodaway	10
Carter	11.4	Oregon	2.3
Cass	12.7	Osage	4

Cedar	2.3	Ozark	2.3
Chariton	4	Pemiscot	26.5
Christian	2	Perry	11.4
Clark	3.4	Pettis	10
Clay	12.7	Phelps	11.4
Clinton	10	Pike	3.1
Cole	4	Platte	12.7
Cooper	4	Polk	2.3
Crawford	11.4	Pulaski	2.3
Dade	2.3	Putnam	4
Dallas	2.3	Ralls	3.1
Daviess	10	Randolph	4
DeKalb	10	Ray	12.7
Dent	11.4	Reynolds	11.4
Douglas	2.3	Ripley	11.4
Dunklin	26.5	St. Charles	14.7
Franklin	14.7	St. Clair	2.3
Gasconade	11.4	St. Francois	11.4
Gentry	10	Ste. Genevieve	11.4
Greene	2	St. Louis City	14.7
Grundy	10	St. Louis County	14.7
Harrison	10	Saline	10
Henry	10	Schuyler	4
Hickory	2.3	Scotland	4
Holt	10	Scott	11.4
Howard	4	Shannon	2.3
Howell	2.3	Shelby	4
Iron	11.4	Stoddard	11.4
Jackson	12.7	Stone	2.3
Jasper	2.3	Sullivan	4
Jefferson	14.7	Taney	2.3
Johnson	10	Texas	2.3
Knox	4	Vernon	2.3
Laclede	2.3	Warren	11.4
Lafayette	10	Washington	11.4
Lawrence	2.3	Wayne	11.4
Lewis	3.1	Webster	2.3
Lincoln	11.4	Worth	10
		Wright	2.3

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

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on Its Implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its effort to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority, or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

4. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.
5. As used in this Notice, and in the contract resulting from this solicitation, the “covered area” of the county, route and limits described in the proposal for the work.

**July 1986**

**STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION**  
**CONTRACT SPECIFICATIONS (EXECUTIVE ORDER 11246)**

1. As used in these specifications:
  - a. “Covered area” means the geographical area described in the solicitation which this contract resulted.
  - b. “Director” mean Director, Office of Federal Contract Compliance Programs, United States Department of labor, or any person to who the Director delegates authority;
  - c. “Employer Identification Number” means the Federal Social Security number used on the Employer’s quarterly Federal Tax Return, U.S. Treasury Department Form 941;
  - d. “Minority” includes;
    - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
    - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
    - (iii) Asian and pacific islander (all persons having origins in any of the original peoples of the Far East, southeast Asia, the Indian Subcontinent, or the Pacific Islands; and
    - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North American and maintain identifiable affiliations through membership and participation or community identifications.
2. Whenever the Contractor, or any Subcontractor at any tier, subcontractors a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contract is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through the association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with the Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligation under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor’s or Subcontractors’ failure to take good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or

federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with who the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours or apprentices and trainees to be counted in meeting the goal, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be used its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
  - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and all facilities at which the Contractor's employees are assigned to work. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
  - b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
  - c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred not employed by the contractor, this shall be documented in the file with the reason therefore, along with whatever additional actions the Contractor may have taken.
  - d. Provide immediate written notification to the Director when the union or unions with which the Contractor has as collective bargaining agreement has not referred to the contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
  - e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant of the contractor's employment needs, especially those programs funded or approved by the Department of Labor. The contractor shall provide notice of these programs to the sources complied under 7b above.
  - f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement by publicizing it in the company newspaper, annual report, etc., by specific review of the policy with all management personnel and with all minority and female employees at least one a year; and by posting the company

EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as superintendents, General foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, person attending, subject matter discussed, and the disposition of the subject matter.
  - h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media and providing written notification to and discussing the contractor's EEO policy with other Contractors and Subcontractors with who the Contractor does or anticipates doing business.
  - i. Direct is a recruitment effort, both oral and written, to minority female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance or applicants for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and test to be used in the selection process.
  - j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer vacations employment to minority and female youth both on the site and in other areas or contractor's workforce.
  - k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
  - l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc. such opportunities.
  - m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligation under these specifications are being carried out.
  - n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
  - o. Document and maintain a record of all solicitations or offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
  - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor union, contractor community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling anyone or more of its obligations under 7a through 7p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.



9. A single goal for minorities and a separate single goal for women have been established to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the executive order if a specific minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contract pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Direct shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status, (e.g. mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be constructed as a limitation upon the application of other laws which establish different standard of compliance or upon the application of requirements for the hiring of local or other area residents (e.g. those under the Public Works Employment Action of 1977 and the Community Development Block Grant Program).

#### **OPERATING POLICY STATEMENT**

The contractor shall accept as his operating policy the following statement, or one of equal coverage, which is designed to further the provision of equal employment opportunity to all persons without regard to their race, color, religion, sex, or national origin, and to promote the full realization of equal employment opportunity through a positive continuing program.

“It is the policy of this company to assure that applicants are employed, and that employees are treated during employment without regard to their race, religion, sex, color, or national origin. Such action shall include: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training.”

#### **SUPPLEMENTAL REPORTING REQUIREMENTS**

- A. The Contractor will keep such records as are necessary to determine compliance with the contractor's equal employment opportunity obligations. The records kept by the contractor will be designed to indicate the number of minority and non-minority group members and women employed in each work classification on the project.
- B. All such records must be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the State Highway Agency and the Federal Highway Administration.
- C. The contractor and each covered subcontractor will submit to the State Highway Agency, for the month of July, for the duration of the project, a report (Form PR-1391) "Federal-Aid Highway Construction Contractors Annual EEO Report", indicating the number of minority, women and non-minority group employees currently engaged in each work classification required by the contract work.

### **NONDISCRIMINATION IN EMPLOYMENT**

**July 1990**

The following provisions are added by the State to the Required Contract Provisions of Federal-Aid Contracts.

The contractor is advised that the exemptions referred to in the Required Contract Provisions, Federal-Aid contracts under Section II, Nondiscrimination, Paragraph 3g, with respect to contracts and subcontracts, are substantial and are to be found in Chapter 60, Office of Federal Contract Compliance, Equal Employment Opportunity, Department of Labor (33 Federal Register 7804-7812, May 28, 1968, effective July 1, 1968, Chapter 60, Title 41, Code of Federal Regulations), by which contracts and subcontracts of \$10,000 or less and certain contracts and subcontracts for indefinite quantities are exempt.

The two pertinent exemption clauses are as follows:

#### **60-1.5 Exemptions**

- (a) General – (1) Transactions of \$10,000 or under. Contracts and Subcontractors not exceeding \$10,000, other than Government bills of lading, and other than contract and subcontracts with depositories of Federal funds in any amount and with financial institutions which are issuing and paying agents for U.S. savings bonds and savings notes, are exempt from the requirements of the equal opportunity clause. In determining the applicability of this exemption to any federally assisted construction contract, or subcontract thereunder, the amount of such contract or subcontract rather than the amount of the Federal financial assistance shall govern. No agency, contractor, or subcontractor shall procure supplies or services in a manner so as to avoid applicability of the equal opportunity clause: Provided, that where a contractor has contracts or subcontracts with the Government in any 12-month period which have an aggregate total value (or can reasonably be expected to have an aggregate total value) exceeding \$10,000, the \$10,000 or under exemption does not apply, and the contracts are subject to the order and the regulation issued pursuant thereto regardless of whether any single contracts exceeds \$10,000.

**DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM REQUIREMENTS**  
**FOR LOCAL PROGRAMS**

**1.0 Disadvantaged Business Enterprise (DBE) Program Requirements.** The subsequent Sections will apply only to contracts involving U.S. Department of Transportation (USDOT) federal-aid or federal financial participation. Federal-aid or federal financial participation includes, but is not limited to, any funds directly or indirectly received by MoDOT, or authorized for distribution to or through MoDOT, by the USDOT or any operating administration within the USDOT. These provisions will not apply to Commission contracts funded exclusively with state funds, or state and local funds. Any contractor, subcontractor, supplier, DBE firm, and contract surety involved in the performance of a federal-aid contract shall be aware of and fully understand the terms and conditions of the USDOT DBE Program, as the terms appear in Title 49 CFR Part 26 (as amended), the USDOT DBE Program regulations; Title 7 CSR Division 10, Chapter 8 (as amended), the Commission's DBE Program rules.

**2.0 DBE Program Distinguished From Other Affirmative Action Programs.** The USDOT DBE Program established by the U.S. Congress is not the same as, and does not involve or utilize, any of the elements or authority of other state or local affirmative action programs, nor does the program rely upon state legislation or gubernatorial executive orders for implementation or authorization, other than the general authority given the Commission in Section 226.150, RSMo. The USDOT DBE Program is implemented by the Commission and MoDOT, through and in conjunction with the FHWA, FTA and FAA, as a "recipient" defined in Title 49 CFR 26.5.

**3.0 Policy Regarding DBE Firms.** It is the policy of the U. S. Department of Transportation and MoDOT that businesses owned by socially and economically disadvantaged individuals have an opportunity to participate in the performance of contracts financed in whole or in part with federal funds. Consequently, the requirements of 49 CFR Part 26 (as amended) and the Commission's implementing state regulations in Title 7 CSR Division 10, Chapter 8, "Disadvantaged Business Enterprise Program", will apply to any contract with federal funds.

**4.0 Opportunity for DBEs to Participate.** Each contractor, subcontractor and supplier working on a contract financed in whole or in part with federal funds shall take all necessary and reasonable steps to ensure that DBEs have an opportunity to compete for, and participate in performance on project contracts and subcontracts.

**5.0 Required Contract Provision.** The federal-aid contract will include the following provision, as mandated by USDOT at Title 49 CFR 26.13(b):

(a) The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of the contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of the contract, which may result in the termination of the contract or such other remedy, as the recipient deems appropriate. In this provision, "contractor" will be defined as the contractor on the contract; "subrecipient" will be defined as any subcontractor performing the work. For the purposes of any federal-aid contract awarded by the Commission, "the recipient" will be defined as either the Commission, or MoDOT, or both. The contractor shall include this same contract provision in every supply contract or subcontract the contractor makes or executes with a subrecipient.

**6.0 Bank Services.** The contractor, and each subrecipient on a federal-aid contract, is encouraged to use the services of banks owned and controlled by socially and economically disadvantaged individuals. Such banking services, and the fees charged for services, typically will not be eligible for DBE Program contract goal credit. Any questions on this subject should be directed to the MoDOT External Civil Rights Director. See [Sec 7.0](#).

**7.0 DBE Program Information.** DBE Program information may be obtained from the MoDOT External Civil Rights Director, P.O. Box 270, Jefferson City, Missouri 65102-0270. Phone (573) 751-4309, Fax (573) 526-0558, E-Mail: [dbec@modot.mo.gov](mailto:dbec@modot.mo.gov). It will be the duty of each contractor, for the contractor and for the contractor's subrecipients and surety, to take the steps necessary to determine the legal obligations and limitations under the DBE Program, as an element of responsibility. It will be the duty of each certified DBE firm to know, understand and comply with the DBE firm's legal obligations and limitations under the DBE Program, as a requirement of program participation. A surety providing a bid or contract bond will be bound by those bonds to the duties of the surety's principal.

**8.0 DBE Certification, and the Missouri Unified Certification Program.** The Missouri Department of Transportation and other certifying agencies within Missouri have partnered to form the Missouri Regional Certification Committee (MRCC) and developed a Unified Certification Program (UCP) pursuant to 49 CFR 26.81 and 7 CSR 10-8.061. Only DBE

firms certified by the MRCC are eligible to perform work on a federal-aid contract for DBE contract goal credit. It is the contractor's responsibility to ensure firms identified for participation are approved certified DBE firms.

The MRCC DBE Directory can be found at the following link:

[http://www.modot.mo.gov/business/contractor\\_resources/External\\_Civil\\_Rights/DBE\\_program.htm](http://www.modot.mo.gov/business/contractor_resources/External_Civil_Rights/DBE_program.htm)

**9.0 DBE Program-Related Certifications Made By Bidders and Contractors.** If the bidder makes a written, express disclaimer of one or more certifications or assurances in the bid, the bid will be considered non-responsive. By submitting a bid on any call involving USDOT federal financial participation, and by entering into any contract on the basis of that bid, the contractor makes each of the following DBE Program-related certifications and assurances to USDOT, to the Commission, and to MoDOT:

(a) The bidder certifies that management and bidding officers have reviewed and understand the bidding and project construction and administration obligations of the SDOT DBE Program regulations at Title 49 CFR Part 26 (as amended), the USDOT DBE Program regulations; Title 7 CSR Division 10, Chapter 8 (as amended), and the commission's DBE Program rules. The bidder further certifies that the contractors management personnel on the project understand and are familiar with the requirements of these federal and state DBE Program regulations; and if the bidder was not familiar with or did not understand the requirements of these regulations, they have contacted the External Civil Rights Division of MoDOT and have been informed as to their duties and obligations under the DBE Program regulations by MoDOT staff and/or by USDOT DBE Program staff.

(b) The bidder certifies that the bidder has complied with the federal and state DBE Program requirements in submitting the bid, and will comply fully with these requirements in performing any federal-aid contract awarded on the basis of that bid.

(c) The bidder agrees to ensure that certified DBE firms have a full and fair opportunity to participate in the performance of the contract financed in whole or in part with federal funds. The bidder certifies that all necessary and reasonable steps were taken to ensure that DBE firms have an opportunity to compete for, and perform work on the contract. The bidder further certifies that the bidder not discriminate on the basis of race, color, age, national origin or sex in the performance of the contract, or in the award of any subcontract.

(d) The bidder certifies, under penalty of perjury and other applicable penal laws that if awarded the federal-aid contract, the contractor will make a good faith effort to utilize certified DBE firms to perform DBE work at or above the amount or percentage of the dollar value specified in the bidding documents. The bidder further certifies the bidder's understanding that the bidder may not unilaterally terminate, substitute for, or replace any DBE firm that was designated in the executed contract, in whole or in any part, with another DBE, any non-DBE firm or with the contractor's own forces or those of an affiliate of the contractor, without the prior written consent of MoDOT as set out below.

(e) The bidder certifies, under penalty of perjury and other applicable penal laws that a good faith effort was made to obtain DBE participation in the contract, at or above the DBE participation contract goal. The bidder further certifies, under penalty of perjury and other applicable penal laws, that if the bidder is not able to meet the Commission's DBE contract goal, and if the bidder is not able to meet that DBE contract goal by the time the proposed DBE participation information must be submitted, within three business days after bid opening, the bidder has submitted with and as a part of the bid, a true, accurate, complete and detailed written explanation of good faith efforts to meet the DBE Contract Goal.

(f) The bidder understands and agrees that if awarded the contract the contractor is legally responsible to ensure that the contractor and each DBE subcontractor and supplier, comply fully with all regulatory and contractual requirements of the USDOT DBE Program, and that each DBE firm participating in the contract fully perform the designated tasks, with the DBE's own forces and equipment, under the DBE's own direct supervision and management. The bidder certifies, under penalty of perjury and other applicable penal laws, that if it awarded the contract and if MoDOT or the Commission determine that the contractor, a DBE or any other firm retained by the contractor has failed to comply with the DBE Program requirements or federal or state DBE Program regulations, the Commission, through MoDOT, shall have the sole authority and discretion to determine the extent of the monetary value to which the DBE contract goals have not been met, and to assess against and withhold monetary damages from the contractor in the full amount of that breach. The Commission, through MoDOT, may impose any other remedies available at law or provided in the contract in the event of a contract breach. The bidder further understands and agrees that this clause authorizes the Commission, through MoDOT, to determine and fix the extent of the damages caused by a breach of any contractual or regulatory DBE Program requirement and that the damage assessment will be enforced in addition to, and not in lieu of, any other general liquidated damages clause in the

contract. By submitting a bid for a federal-aid contract, and by entering into a contract, the bidder irrevocably agrees to such an assessment of liquidated damages for DBE Program purposes, and authorizes the Commission and MoDOT to make such an assessment of liquidated damages against the contractor, and to collect that assessment from any sums due the contractor under the contract, or any other contract, or by other legal process. The bidder makes this certification, agreement and authorization on behalf of itself, its subcontractors and suppliers, and the bid bond and contract bond sureties, for each federal-aid contract.

(g) The surety upon any bid or contract bond acknowledges the surety is held and firmly bound to the Local Agency for each and every duty of the surety's principal provided in any bid or contract regarding the DBE program.

**10.0 Designation of DBE firms to perform on contract** The bidder states and certifies, under penalty of perjury or other applicable penal laws, that the DBE participation information submitted in the bid or within the stated time thereafter is true, correct and complete and that the information provided includes the names of all DBE firms that will participate in the contract, the specific line item (s) that each DBE firm will perform, and the creditable dollar amounts of the participation of each DBE. The specific line item must reference the MoDOT line number and item number contained in the proposal. The bidder further states and certifies that the bidder has committed to use each DBE firm listed for the work shown to meet the DBE contract goal and that each DBE firm listed has clearly confirmed that the DBE firm will participate in and perform the work, with the DBE's own forces. Award of the contract will be conditioned upon meeting these and other listed requirements of 49 CFR 26.53.

(a) The bidder certifies the bidder's understanding that as the contractor on a contract funded in whole or in part by USDOT federal funds, the bidder may not unilaterally terminate, substitute for, or replace any DBE firm that was designated in the executed contract, in whole or in any part, with another DBE, any non-DBE firm or with the contractor's own forces or those of an affiliate, without the prior written consent of MoDOT. The bidder understands it must receive approval in writing from MoDOT for the termination of a DBE firm, or the substitution or replacement of a DBE before any substitute or replacement firm may begin work on the project in lieu of the DBE firm participation information listed in the executed contract,

(1) The bidder further certifies understanding, that if a DBE firm listed in the bid or approved in the executed contract documents ceases to be certified at any time during the performance of the contract work, and a contract or subcontract with that firm has not yet been executed by the prime and subcontractor, the contractor can not count any work performed by that firm after the date of the firm's loss of eligibility toward meeting the DBE contract goal. However, if the contractor has executed a subcontract with the firm before the DBE lost eligibility and ceased to be a certified DBE, the contractor may continue to receive credit toward the DBE contract goal for that firm's work.

(2) The bidder further certifies understanding, that if a DBE subcontractor is terminated, or fails, refuses or is unable to complete the work on the contract for any reason, the contractor must promptly request authority to substitute or replace that firm. The request shall include written documentation that the DBE firm is unwilling or unable to perform the specified contract work. The contractor shall make good faith efforts to find another DBE subcontractor to substitute or replace the dollar amount of the work that was to have been performed by the DBE firm. The good faith efforts shall be directed at finding another DBE to perform the same, or more, dollar amount of work that the DBE firm that was terminated was to have performed under the executed contract. The substitute or replacement DBE firm may be retained to perform the same or different contract work from that which the terminated firm was to have performed. The contractor shall obtain approval from MoDOT in writing before the replacement or termination of one firm with another before the work will count toward the project DBE goal.

(3) The bidder further certifies the bidder's understanding, that the dollar value of any work completed by a DBE firm prior to approval of the DBE's substitution or replacement, in writing, by MoDOT will not be credited toward meeting the DBE contract goal. The contractor will remain subject to appropriate administrative remedies, including but not limited to, liquidated damages for the full dollar amount that the DBE contract goal is not met. Liquidated damages will also be assessed against the contractor if the original, substitute or replacement DBE firms perform the required contract work, but are not paid in full for some or all of that work by the contractor, including back charges. No credit toward the DBE goal will be given for any amount withheld from payment to the DBE or "back charged" against monies owed to the DBE, regardless of the purpose or asserted debt.

**11.0 Good Faith Effort to Secure DBE Services.** The bidder shall make a good faith effort to seek DBEs in a reasonable geographic area to where the solicitation for subcontracts and material is made. If the bidder cannot meet the goals using



DBEs from that geographic area, the bidder shall, as a part of the effort to meet the goal, expand the search to a wider geographic area.

**11.1 Bidding Procedure.** The following bidding procedure shall apply to the contract, for DBE program compliance purposes.

**11.2 Contract Goal, Good Faith Efforts Specified.** The bidder may submit the completed “DBE Identification Submittal” information in the bid documents at the same time as, and within the sealed bid, at the time the bid is submitted. However, if that information is not completed and submitted with the initial sealed bid, then as a matter of responsiveness and responsibility, the apparent low and second low bidder shall file the completed “DBE Identification Submittal” pages to the Local Agency on or before 4:00 p.m. of the third business day after the bid opening date. The Local Agency may permit telefax transmittal. The complete and signed original documents shall be mailed to the Local Agency no later than the day of the telefax transmission. No extension of time will be allowed for any reason. The means of transmittal and the risk of timely receipt of the information shall be the bidder’s.

The bidder is responsible to ensure that all submittals are checked for accuracy. Any and all omissions, deletions, and/or errors that may affect the end result of the bid package are the sole liabilities of the bidders. The bid may be found non-responsive if the submittal is not complete and/or accurate.

**11.3 Bid Rejection, Bid Security Disposition.** The failure of either the apparent low bidder or the second low bidder to file the completed and executed “DBE Identification Submittal”, listing actual, committed DBE participation equal to or greater than the DBE contract goal percentage specified in the bid by 4:00 p.m. on the third business day after the bid opening, will be cause for rejection of that bid, and the bid surety bond or bid guaranty of that bidder will be forfeited to and become the property of the Local Agency upon demand.

(a) Any bidder rejected for failure to submit the completed and executed “DBE Identification Submittal” information in the bidding documents, with full documentation of sufficient DBE participation to satisfy the DBE contract goal cannot submit a bid on the same, or substantially similar, project, when and if the project is re-advertised for bids. By submitting a bid on a federal-aid project, the bidder accepts and agrees to this provision, and the disposition of the bidders bid bond or guaranty, on behalf of the bidder and the bidders bid surety or guaranty.

(b) The surety separately acknowledges the surety to be held and firmly bound to the Local Agency to immediately upon demand pay the face amount of the bid bond.

**11.4 Good Faith Efforts Described.** Good faith efforts to meet the DBE contract goal may include, but are not limited to, the following:

(a) Attending a pre-bid meeting, if any, scheduled by the department to inform DBEs of contracting and subcontracting opportunities;

(b) Advertising in general circulation trade association and socially and economically disadvantaged business directed media concerning subcontracting opportunities.

(c) Providing written notice to a reasonable number of specific DBEs so that the DBE’s interest in the contract are solicited in sufficient time to allow the firm to participate effectively;

(d) Following-up on initial written notice or solicitations of interest by contacting DBEs to determine with certainty whether the DBEs were interested.

(e) Maintaining documentation of responses received in the effort to solicit DBE participation.

(f) Selecting portions of work to be performed by DBEs to increase the likelihood of meeting the DBE goal, including, where appropriate, breaking down contracts into economically feasible units to facilitate DBE participation.

(g) Providing interested DBEs adequate information about plans, specifications and requirements of the contract.

(h) Negotiating in good faith with interested DBEs, not rejecting DBEs as unqualified without sound business reasons based on a thorough investigation of the DBE’s capabilities.



(i) Making efforts to assist interested DBEs in obtaining bonding, lines of credit or insurance required by the Local Agency or by the bidder.

(j) Making effective use of available disadvantaged business organizations, minority bidders' groups, local, state and federal disadvantaged business assistance offices, MoDOT and other organizations that provide assistance in the recruitment and placement of DBEs.

### **11.5 Documentation, and Administrative Reconsideration of the Bidder's Good Faith**

**Efforts.** In the bidding documents, the bidder has the opportunity and responsibility to provide certified written documentation as to whether the bidder made a good faith effort to meet the DBE contract goal as proposed by MoDOT. Any bidder that has not met the Commission's proposed DBE contract goal at the time of bid opening must submit the completed "Certification of Good Faith Efforts to Obtain DBE Participation". The certification should be included in the bidding documents, fully and in detail, at the time its sealed bid is submitted, however, if that information is not completed and submitted with the initial sealed bid, the bidder must submit the documentation to the Local Agency on or before 4:00 p.m. of the third business day after the bid opening date. The Local Agency may permit telefax transmittal. The complete and signed original documents shall be mailed to the Local Agency no later than the day of the telefax transmission. No extension of time will be allowed for any reason. The means of transmittal and the risk of timely receipt of the information shall be the bidder's responsibility. The bidder shall attach additional pages to the certification, if necessary, in order to fully detail specific good faith efforts made to obtain certified DBE firm participation in the proposed contract work. If the apparent low bidder appears to have failed to adequately document in the bid that the bidder made a good faith effort to achieve sufficient DBE participation in the contract work, that firm will be offered the opportunity for administrative reconsideration upon written request, before the Local Agency and MoDOT reject that bid as non-responsive. However, regardless of the DBE contract goal participation level proposed by the bidder, or the extent of good faith efforts shown, the apparent low and second low bidders shall each timely and separately file their completed and executed "DBE Identification Submittal" or face potential sanctions and the bid bond or guaranty, as specified in [Sec 10.0](#) of these provisions may become the property of the Local Agency subject to the Local Agency's demand.

**12.0 DBE Participation for Contract Goal Credit.** DBE participation on the contract will count toward meeting the DBE contract goal as follows:

(a) The applicable percentage of the total dollar value of the contract or subcontract awarded to the DBE will be counted toward meeting the DBE contract goal, only if that firm is certified by the MRCC as a DBE at the time the contract or subcontract is executed, and only for the value of the work, goods or services that are actually performed, or provided, by the DBE firm itself.

(b) When a DBE performs work as a participant in a joint venture, the contractor may count toward the DBE goal only that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the contract work that the DBE has performed with the DBE's own forces. The MoDOT External Civil Rights Director shall be contacted in advance regarding any joint venture involving both a DBE firm and a non-DBE firm to review and approve the contractor's organizational structure and proposed operation. When a DBE subcontracts part of the work of the contract to another firm, the value of that subcontracted work may be counted toward the DBE contract goal only if the DBE's subcontractor at a lower tier is a MoDOT certified DBE. Work that a DBE subcontracts to a non-DBE firm will not count toward the DBE contract goal. The cost of supplies and equipment a DBE subcontractor purchases or leases from the prime contractor or the prime's affiliated firms, or from another non-DBE subcontractor, will not count toward the DBE contract goal.

(c) The contractor may count expenditures to a DBE subrecipient toward the DBE contract goal only if the DBE performs a commercially useful function (CUF) on that contract.

(d) A contractor may not count the participation of a DBE subcontractor toward the contractor's final compliance with the contractor's DBE contract goal obligations until the amount being counted has actually been paid to the DBE. A contractor may count 60 percent of the contractor's expenditures actually paid for material and supplies obtained from a DBE certified by MoDOT as a regular dealer, and 100 percent of such expenditures actually paid for materials and supplies obtained from a certified DBE manufacturer.

(1) A regular dealer will be defined as a firm that owns, operates, or maintains a store, warehouse or other establishment in which the material, supplies, articles or equipment required and used under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business. To be a regular dealer, the DBE firm shall

be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question. Packagers, brokers, manufacturers' representatives, or other persons who arrange or expedite transactions will not be considered regular dealers.

(2) A DBE firm may be a regular dealer in such bulk items as petroleum products, steel, cement, gravel, stone or asphalt, without owning, operating or maintaining a place of business where it keeps such items in stock, if the DBE both owns and operates distribution equipment for the products it sells and provides for the contract work. Any supplementation of a regular dealer's own distribution equipment shall be by a long-term lease agreement, and not on an ad hoc or contract-by-contract basis.

(3) If a DBE regular dealer is used for DBE contract goal credit, no additional credit will be given for hauling or delivery to the project site goods or materials sold by that DBE regular dealer. Those delivery costs shall be deemed included in the price charged for the goods or materials by the regular dealer, who shall be responsible for their distribution.

(4) A manufacturer will be defined as a firm that operates or maintains a factory or establishment that produces on the premises, the material, supplies, articles or equipment required under the contract and of the general character described by the project specifications. A manufacturer will include firms that produce finished goods or products from raw or unfinished material, or that purchases and substantially alters goods and materials to make them suitable for construction use before reselling them.

(e) A contractor may count toward the DBE contract goal the following expenditures to certified DBE firms that are not "regular dealers" or "manufacturers" for DBE program purposes:

(1) The contractor may count toward the DBE contract goal the entire amount of fees or commissions charged by a certified DBE firm for providing a bona fide service, such as professional, technical, consultant or managerial services, or for providing bonds or insurance specifically required for the performance of the federal-aid contract, if the fee is reasonable and not excessive, compared with fees customarily charged for similar services.

(2) The contractor may count toward the DBE contract goal the entire amount of that portion of the construction contract that is performed by the DBE's own forces and equipment, under the DBE's supervision. This includes the cost of supplies and material ordered and paid for by the DBE for contract work, including supplies purchased or equipment leased by the DBE except supplies and equipment a DBE subcontractor purchases or leases from the prime contractor or its affiliates.

(f) A contractor may count toward the DBE contract goal 100 percent of the fees paid to a certified DBE trucker or hauler for delivery of material and supplies required on a job site, but not for the cost of those materials or supplies themselves, or for the removal or relocation of excess material from or at the job site, when the DBE certified trucking company is not also the manufacturer of or a regular dealer in those material and supplies, provided that the trucking or hauling fee is determined by MoDOT to be reasonable as compared with fees customarily charged by non-DBE firms for similar services. The certified DBE trucking firm shall also perform a CUF on the project and not operate merely as a pass through for the purposes of gaining credit toward the contract DBE goal. Prior to submitting a bid, the contractor shall determine, or contact the MoDOT External Civil Rights Director for assistance in determining, whether a DBE trucking firm will meet the criteria for performing a CUF on the project.

(g) The contractor will receive DBE contract goal credit for the fees or commissions charged by and paid to a DBE broker who arranges or expedites sales, leases or other project work or service arrangements, provided that those fees are determined by MoDOT to be reasonable and not excessive, as compared with fees customarily charged by non-DBE firms for similar services. A broker will be defined as a person or firm that does not own or operate the delivery equipment necessary to transport materials, supplies or equipment to or from a job site; a broker typically will not purchase or pay for the material, supplies or equipment, and if the broker does purchase or pay for those items, those costs will be reimbursed in full. In most instances, the broker is merely the entity making arrangements for delivery of material, supplies, equipment, or arranging project services. To receive DBE contract goal credit, MoDOT must determine that the DBE broker has performed a CUF in providing the contract work or service.

**13.0 Performing a Commercially Useful Function (CUF).** No credit toward the DBE contract goal will be allowed for contract payments or expenditures to a DBE firm, if that DBE firm does not perform a CUF on that contract. A DBE performs a CUF when the DBE is solely responsible for execution of a distinct element of the contract work, and the DBE actually

performs, manages and supervises the work involved with the firm's own forces. To perform a CUF, the DBE alone shall be responsible, and alone must bear the risk, for the material and supplies used on the contract, selecting a supplier or dealer from those available, negotiating price, determining quality and quantity, ordering the material and supplies, installing those materials with the DBE's own forces and equipment and paying for those materials and supplies. The amount the DBE firm is to be paid under the contract shall be commensurate with the work the DBE actually performs and the DBE credit claimed for the DBE's performance.

**13.1 Contractor's Obligation to Monitor CUF Performance.** It shall be solely the contractor's responsibility to ensure that all DBE firms perform a CUF. Further, the contractor is responsible to, and shall ensure that each DBE firm fully performs the DBE's designated tasks, with the DBE's own forces and equipment, under the DBE's own direct supervision and management. MoDOT is under no obligation to warn the contractor that a DBE's participation may not count toward the goal, other than through official notification with an opportunity for administrative reconsideration at the conclusion of the contract work.

**13.2 DBEs Must Perform a Useful and Necessary Role in Contract Completion.** A DBE does not perform a commercially useful function if the DBE's role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of DBE participation.

**13.3 DBEs Must Perform The Contract Work With Their Own Workforces.** If a DBE does not perform and exercise responsibility for at least 30 percent of the total cost of the DBE's contract with the DBE's own work force, or the DBE subcontracts a greater portion of the work of a contract than would be expected on the basis of normal industry practice for the type of work involved, MoDOT will presume that the DBE is not performing a commercially useful function.

**13.4 Factors Used to Determine if a DBE Trucking Firm is Performing a CUF.** The following factors will be used to determine whether a DBE trucking company is performing a commercially useful function (CUF):

(a) To perform a CUF, the DBE trucking firm shall be completely responsible for the management and supervision of the entire trucking operation that the DBE is being paid for on the contract work. There shall not be contrived arrangement, including but not limited to, any arrangement that would not customarily exist under regular construction project subcontracting practices for the purpose of meeting the DBE contract goal.

(b) The DBE must own and operate at least one fully licensed, insured and operational truck used in performance of the contract work. This does not include a supervisor's pickup truck or a similar vehicle that is not suitable for hauling the necessary materials or supplies.

(c) The DBE receives 100 percent contract goal credit for the total reasonable amount the DBE is paid for the transportation services provided on the contract using trucks the DBE owns, insures and operates, using drivers that the DBE employs.

(d) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE firm that leases trucks from another DBE will receive credit for the total fair market value actually paid for of the transportation services the lessee DBE firm provides on the contract.

(e) The DBE may also lease trucks from a non-DBE firm, including an owner-operator. However, the DBE who leases trucks from a non-DBE is entitled to DBE contract goal credit only for the brokerage fee or commission the DBE receives as a result of the lease arrangement. The DBE will not receive credit for the total value of the transportation services provided by the non-DBE lessee. Furthermore, no DBE contract goal credit will be allowed, even for brokerage fees or commissions, where the DBE leases the trucks from the contractor on the project or a firm owned, controlled by, or affiliated by ownership or control to, the contractor.

(f) For purposes of this section, the lease shall indicate that the DBE firm leasing the truck has exclusive use of and control over the truck. This will not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, provided the lease gives the DBE absolute priority for and control over the use of the leased truck. Leased trucks shall display the name and identification number of the DBE firm that has leased the truck at all times during the life of that lease.

**13.5 MoDOT Makes Final Determination On Whether a CUF Is Performed.** MoDOT and the Commission will have the final authority to determine whether a DBE firm has performed a CUF on a federal-aid contract. To determine whether

a DBE is performing or has performed a CUF, MoDOT will evaluate the amount of work subcontracted by that DBE firm or performed by other firms, and the other firms forces and equipment. Any DBE work performed by the contractor, or by employees or equipment of the contractor will be subject to disallowance under the DBE Program, unless the independent validity and need is demonstrated.

#### **14.0 Use of Joint Checks**

Request for joint checks must be made to MoDOT by the contractor. Prior approval must be given before the use of joint checks is allowed. Contact External Civil Rights Division at 573-751-4309 or [dbes@modot.mo.gov](mailto:dbes@modot.mo.gov) to request a Joint Check Request Form.

#### **15.0 Verification of DBE Participation, Liquidated Damages.**

**15.1** Prior to final payment by the Local Agency, the contractor shall file with the Local Agency a detailed list showing each DBE used on the contract work, and the work performed by each DBE. The list shall show the actual dollar amount paid to each DBE for the creditable work on the contract, less any rebates, kickbacks, deductions, withholdings or other repayments made. The list shall be certified under penalty of perjury, or other law, to be accurate and complete. MoDOT and the Commission will use this certification and other information available to determine if the contractor and the contractor's DBEs satisfied the DBE contract goal percentage specified in the contract and the extent to which the DBEs were fully paid for that work. The contractor shall acknowledge, by the act of filing the detailed list, that the information is supplied to obtain payment regarding a federal participation contract.

**15.2** Failure on the part of the contractor to achieve the DBE participation to which the contractor committed in the contract may result in liquidated damages being imposed on the contractor by the Commission for breach of contract and for non-compliance. If the contract was awarded with less than the original DBE contract goal proposed by the Commission, the revised lower amount shall become the final DBE contract goal, and that goal will be used to determine any liquidated damages to be assessed. Additionally, the Commission or MoDOT may impose any other administrative sanctions or remedies available at law or provided by the contract in the event of breach by the contractor by failing to satisfy the contractor's DBE contract goal commitment. However, no liquidated damages will be assessed, and no other administrative sanctions or remedies will be imposed when, for reasons beyond the control of the contractor and despite the good faith efforts made by the contractor, the final DBE contract goal participation percentage was not achieved. The contractor will be offered the opportunity for administrative reconsideration of any assessment of liquidated damages, upon written request. The administrative reconsideration officer may consider all facts presented, including the legitimacy or business reason for back charges assessed against a DBE firm, in determining the final amount of liquidated damages.

**16.0 Prompt Payment Requirements.** In accordance with Title 49 CFR 26.29, the contractor shall comply with the prompt payment requirements of that regulation, Section 34.057, RSMo., the provisions of the Commission's rule 7 CSR 10-8.111 and the contract. By bidding on a federal-aid contract, and by accepting and executing that contract, the contractor agrees to assume these contractual obligations, and to bind the contractor's subrecipients contractually to those prompt payment requirements at the contractor's expense.

**17.0 Miscellaneous DBE Program Requirements.** In accordance with Title 49 CFR Part 26 and the Commission's DBE Program rules in Title 7 CSR Division 10, Chapter 8, the contractor, for both the contractor and for the contractor's subcontractors and suppliers, whether DBE firms or not, shall commit to comply fully with the auditing, record keeping, confidentiality, cooperation and anti-intimidation or retaliation provisions contained in those federal and state DBE Program regulations. By bidding on a federal-aid contract, and by accepting and executing that contract, the contractor agrees to assume these contractual obligations, and to bind the contractor's subrecipients contractually, at the contractor's expense.

## DBE PROGRAM-Monitoring and Enforcement

### Commercially Useful Function

One of the key requirements of the DBE Program is that a **commercially useful function** be performed. This is defined as:

***"Being responsible for execution of a contract or a distinct element of the work by actually performing, managing, and supervising the work involved."***

MoDOT personnel monitor the performance of work to be performed by DBE firms on all federal aid projects. MoDOT personnel review all elements of the work to be performed, including supervision of employees, employee payroll, and equipment used by the DBE firm. Contractors, DBEs, local public agencies, and all employees are required to cooperate with MoDOT personnel conducting investigations.

Failure of a DBE firm to perform a commercially useful function will result in the dollar amount of the work not being credited toward the DBE goal on the project. This can result in MoDOT withholding payment from the prime contractor, or agency, for that amount, or could result in removal of eligibility of the DBE. In cases of deliberate attempts to circumvent the intent of the DBE program, or fraud, these actions may lead to criminal prosecution of both the prime contractor and the DBE firm.

Red Flag situations which may result in an investigation include, but are not limited to, shared employees, supervision of DBE employees by another contractor, use of the prime's equipment, use of other equipment by the DBE without a long-term lease, materials for the DBE ordered, or paid for, by the prime contractor, or an item of work being done jointly by the DBE firm and another contractor.

### Management

The DBE must manage the work that has been contracted. Management includes, but is not limited to, scheduling work operations, ordering equipment and materials, preparing and submitting certified payrolls, and hiring and firing employees. The DBE owner must supervise daily operations, either personally or with a full time, skilled, and knowledgeable superintendent. The superintendent must be under the DBE owner's direct supervision. The DBE owner must make all operational and managerial decisions of the firm. Mere performance of administrative duties is not supervision of daily operations.

### Materials

The DBE shall negotiate the cost, arrange delivery, and pay for the materials and supplies for the project. MoDOT will review invoices to verify billing and payment. The DBE must prepare the estimate, quantity of material, and be responsible for the quality of materials.

Two-party checks for payment may be made to the DBE and the supplier **only** if approved by MoDOT in advance. **No** credit toward the DBE goal will be given for the cost of materials or supplies paid directly by the prime for the DBE firm.



## Employees

In order to be considered an independent business, DBE firms must keep a regular workforce. DBE firms cannot "share" employees with non-DBE contractors, particularly the prime contractor. All work must be performed with a workforce the DBE firm controls, with a minimum of 30% of the work to be performed by the DBE firm's regular employees, or those hired by the DBE firm for the project from a source **other** than the prime contractor.

If a DBE firm does not perform or exercise responsibility for at least thirty (30) percent of the total cost of its contract or subcontract with its own work force, or the DBE subcontracts a greater portion of the work of a contract or subcontract than would be expected on the basis of normal industry practice for the type of work involved, MoDOT shall presume that the DBE is not performing a commercially useful function.

## Sanctions

The failure of a DBE firm to perform a commercially useful function (CUF) will result in the dollar value of that DBE firm's work not being credited toward the contractor's DBE goal for that contract. This may result in MoDOT withholding payment from the prime contractor of the entire amount not credited, if this results in the contractor's failure to achieve the DBE participation goal for that contract.

Deliberate conduct or indifference to the CUF requirements can also lead to the DBE firm's removal of eligibility. In any and all cases of deliberate attempts by the contractor, a DBE firm, or other firms to circumvent the requirements of the USDOT or MoDOT DBE Program, or their related contract requirements, or fraud of any kind, these actions may lead to suspension or debarment of the firms and their affiliates by MoDOT and may result in criminal prosecution and sanctions, plus civil and contractual liability, of any firm or person involved.

## Fraud

MoDOT will notify the USDOT of any suspected false, fraudulent, or dishonest conduct in connection with the DBE program, in order for the USDOT to take the steps (e.g., referral to the Department of Justice for criminal prosecution, referral to the USDOT Inspector General, action under suspension and debarment or Program Fraud and Civil Penalties rules) provided in §26.109. MoDOT will also consider similar action under Missouri legal authorities, including responsibility determinations in future contracts.



## Termination, Removal, Or Substitution Of DBE Firm

A contractor cannot terminate, release, or substitute any DBE firm without the written consent of MoDOT. The contractor must provide documentation to the Resident Engineer that the DBE firm is **unwilling or unable to perform** within 5 working days of notice of the inability to perform by the DBE firm. The Resident Engineer will forward the notice to the External Civil Rights Administrator for approval. If removal of a DBE firm is approved, or a DBE firm withdraws, the contractor must make a good faith effort to find a replacement DBE firm. The contractor must make efforts to replace the dollar value of work to be performed not merely finding a replacement for the work that was to be performed by the DBE firm being replaced. If substitution of a DBE firm is approved, the prime contractor must provide the Resident Engineer and External Civil Rights Administrator copies of new or amended subcontracts.

## DBE Participation

DBE credit will count toward the contractual goal only for work actually performed by the DBE firm and within the Standard Industry Classification (SIC) code approved for that firm. The credit will be counted in the following manner:

### Manufacturer

Credit is given for 100 percent of the value paid for materials furnished which become a permanent part of the project. A manufacturer is a firm that owns and operates the facilities to produce a product required by the project and purchased by the contractor.

### Supplier

Credit is given for 60 percent of the value paid for materials furnished which becomes a permanent part of the project. A supplier sells goods to the general public and maintains an inventory at an owned or leased warehouse or store. Bulk items such as steel, petroleum products, or rock do not have to be maintained in an on-site inventory. Credit will not be given for the cost of the materials and separate credit for the hauling of those same materials. Transportation of the materials is deemed part of the total cost.

### Broker

Credit is given for 100 percent of the **fees** or **commission** received by the DBE firm for materials purchased, services provided, or equipment secured and resold to the contractor. Fees or commissions are defined as the difference between what the DBE firm paid for the materials purchased, services provided, or equipment secured and the price paid by the contractor to the DBE firm for those items. A broker does not manufacture or supply on a regular basis.

### Trucker

Credit is given for 100 percent of the amount paid to the DBE trucker if the majority of the trucking is performed by the DBE, with employees of the DBE, using equipment owned or long-term leased by the DBE. However, if the DBE firm uses leased trucks, at least one truck owned by the firm **must** be used on the project.

Full credit will not be given for leased trucks unless they are leased from another DBE firm, DBE owner

operators, or a recognized commercial leasing operation. Firms licensed by the Missouri Division of Motor Carrier and Railroad Safety as leasing agents qualify as a recognized leasing operation. Lease of trucks from the prime contractor will not be credited toward the DBE goal other than the fees and commissions. This type of relationship will be subject to strict scrutiny.

All trucks used must be labeled clearly and visibly with a sign indicating the firm owning or leasing the vehicle. MoDOT will require submittal of a truck roster report, including ownership and vehicle identification information, on a regular basis. MoDOT project office personnel will review the rosters for verification and will monitor the trucks operating on the project. MoDOT will conduct random verification and report any irregularities to the External Civil Rights Unit for review.

If the DBE firm uses owner-operators to supplement their owned trucks, the DBE must be responsible for management and supervision of the entire trucking operation. The trucking arrangement or contract **cannot** be a contrived arrangement to meet the DBE goal. The DBE will be considered a broker, and only fees or commissions received will count toward the goal, if the DBE is not in full control, or does not have employees or trucks on the project.

In order for the use of a DBE trucker to be credited for the delivered price of materials/ supplies, the trucker must be certified as a supplier or manufacturer of the material, responsible for the quality standards of the material, negotiating the material price, payment, and select the source.

## Contractor

Credit is given for 100 percent of the amount of paid to a DBE contractor for labor and materials provided to perform a defined and clearly measurable portion of the contract. 30 percent of the work must be performed by the DBE's **own** employees and the DBE must order and pay for all supplies and materials.

## Verification

**MoDOT, through Jefferson County, requires submittal of an affidavit of final payment for all DBE firms prior to release of final payment and retainage to the prime contractor. The final original items to be performed, change orders, final quantities, and payments are then reviewed to determine if the contractor has complied with the contractual DBE goal. If the prime does not comply with the goal, MoDOT withholds the amount the contractor failed to achieve as the administrative remedy for non-compliance.**

## **Guidelines for Obtaining Environmental Clearance**

This article provides guidelines for obtaining environmental clearance for disturbed areas such as:

Borrow Sites, Haul Roads, Burn Pits, Staging Areas and Spoil Sites at project-specific locations.

The necessary clearances for disturbed areas such as those referenced above shall be obtained prior to using these areas for projects. The contractor is encouraged to consider using material from previously disturbed locations (substantial disturbance) or disturbed areas that have previously been cleared, precluding the need to address most, if not all, of the issues described below. The contractor should include the federal project number on all correspondence. Once the contractor has obtained all required documentation, it should be provided to Jefferson County & MODOT District contact. The following addresses the primary environmental issues related to clearance of disturbed areas such as borrow sites:

### **1. The Endangered Species Act**

The Federal Endangered Species Act protects rare species and their habitats. The U.S. Fish and Wildlife Service (USFWS) administers the Act. Violations of this act can result in extensive project delays and severe fines. To determine if an activity will impact any rare species or their habitats, contact the Missouri Department of Conservation's Policy and Coordination Section at (573) 751-4115 to request a query of the MDC Heritage Database. All queries must be accompanied by a good quality map illustrating the location of the proposed site with a description of the activity. Allow at least three weeks for a response to all requests.

If there are no known records of rare species or sensitive habitats at the proposed site, and it is unlikely that any will be impacted by the activity, the contractor will be given clearance to proceed. However, if rare species are known or likely to occur at the site, or known critical habitat exists, further coordination with MDC and the USFWS will be necessary. Written clearance from the U.S. Fish and Wildlife Service may be required before the project can proceed.

Missouri Department of Conservation (MDC)  
Planning Division  
P.O. Box 180  
Jefferson City MO 65102-0180  
Telephone Number (573) 751-4115 or FAX (573) 751-4495

U.S. Fish and Wildlife Service (FWS)  
Columbia Field Office  
101 Park DeVille Drive - Suite A  
Columbia, MO 65203-0057  
Telephone Number (573) 234-2131 or Fax (573) 234-2182

## 2. Floodplain/Regulatory Floodway

An evaluation of floodplain impacts is mandated by Executive Order 11988, Floodplain Management, and subsequent federal floodplain management guidelines. When available, flood hazard boundary maps ([National Flood Insurance Program](#)) and flood insurance studies for the project area are used to determine the limits of the base (100-year) floodplain and the extent of encroachment.

The Federal Emergency Management Agency (FEMA) and Federal Highway Administration (FHWA) guidelines 23 CFR 650 have identified the base (100-year) flood as the flood having a one percent probability of being equaled or exceeded in any given year. The base floodplain is the area of 100-year flood hazard within a county or community. The [regulatory floodway](#) is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 100-year flood discharge can be conveyed without increasing the base flood elevation more than a specified amount. FEMA has mandated that projects can cause no rise in the regulatory floodway, and a one-foot cumulative rise for all projects in the base (100-year) floodplain. For projects that involve the state of Missouri, the State Emergency Management Agency (SEMA) issues [floodplain development permits](#). In the case of projects proposed within regulatory floodways, a ["No-Rise" Certification](#), if applicable, should be obtained prior to issuance of a permit.

Questions regarding floodplain and regulatory floodway should be addressed to:

SEMA  
P.O. Box 116  
Jefferson City, MO 65102  
(573) 526-9141

Documentation of consultation with SEMA regarding the presence of 100-year floodplain/regulatory floodway should be included in the final collection of information to be submitted to MoDOT staff.

## 3. Federal Emergency Management Agency (FEMA) Buyout Lands

The Flood Disaster Protection Act of 1973, as amended by the Disaster Relief and Emergency Assistance Act of 1988 (The Stafford Act), identified the use of disaster relief funds under Section 404 for the Hazard Mitigation Grand Program (HMGP), including the acquisition and relocation of flood damaged property. The Volkmer Bill further expanded the use of HMGP funds under Section 404 to "buy out" flood damaged property, which had been affected by the Great Flood of 1993.

There are numerous restrictions on these FEMA buyout properties. No structures or improvements may be erected on these properties unless they are open on all sides. The site shall be used only for open space purposes, and shall stay in public ownership. These conditions and restrictions (among others), along with the right to enforce same, are deemed to be covenants running with the land in perpetuity and are binding on subsequent successors, grantees, or assigns. Any decision involving these properties should take into consideration that 2-3 years is necessary to process an exemption from FEMA to utilize this parcel. This exemption would likely be a permanent easement rather than a transfer of property. If any proposed site is located on a FEMA buyout property, an alternative site should be chosen.

## 4. Farmland Protection

In order to comply with the Farmland Protection Policy Act, which has the purpose of minimizing Federal programs' contributions to the unnecessary and irreversible conversion of farmland caused by nonagricultural uses, the Form AD-1006 will need to be completed. This can be accomplished through coordination with United States Department of Agricultural (USDA)-Natural Resources Conservation Service (NRCS), and the completion of Form AD-1006. To receive the Form AD-1006, call the NRCS State office in Columbia at (573) 876-9411. An aerial map of the site or sites will also be required with the area to be disturbed identified on the map. This aerial map can be obtained from the local SCS office. In some areas of the state this office may be located in an adjoining county.

The contractor will need to complete Parts I and III of Form AD-1006. The form should then be sent to the NRCS State Office for completion of Parts II, IV and V. The address for NRCS State Office is:

Mr. Dennis Potter  
State Soil Scientist  
Natural Resource Conservation Service  
601 Business Loop 70 West  
Parkade Center, Suite 250  
Columbia, MO 65203  
1-573-876-9411

After the NRCS office returns the form, the contractor will complete remaining Parts VI and VII. The contractor will provide a copy of the completed form to the MoDOT district contact to document compliance with the Farmland Protection Policy Act.

## **5. Wetlands**

Federal executive order has decreed a national policy of "no net loss of wetlands." Under this policy, impacts to wetlands must be avoided if at all practical. Where wetlands are impacted, these impacts must be mitigated by construction or enhancement of a like quantity **and** quality of new wetlands. For these reasons, avoiding impacts to wetlands is a primary goal.

To determine whether wetlands occur on a site, contact the USDA, NRCS. The NRCS has identified and mapped wetlands as a requirement under the Food Security Act. These maps are available from county NRCS offices, usually located in the county seat. For all other non-farmland sites, consult the [US Fish and Wildlife Service's Wetlands Map](#). If wetlands are identified on Food Security Act wetland maps, a site visit may be needed to confirm the location of wetlands. If there are no wetland impacts, no other action need be taken.

If there are any questions about the extent of wetlands in the event that wetlands cannot be avoided, contact the U.S. Army Corps of Engineers (COE). If wetlands cannot be avoided, a COE Section 404 permit would be processed through the appropriate COE district. There are five COE districts in Missouri. Information about COE district locations, addresses and phone numbers is available on [the COE website](#).

## **6. Water Quality/Land Disturbance**

The National Pollutant Discharge Elimination Systems (NPDES) program regulates construction activities where 1 acre or more of land is disturbed. If the project proponent has a general NPDES permit for all of their construction activities, this is adequate. If the project proponent does not have a valid general permit and the site to be disturbed is greater than 1 acre in size, a project-specific NPDES permit from DNR is required. If the project is entirely within MoDOT right of way, the sponsor may use MoDOT's general permit. In either case, the sponsor will need to develop a site-specific stormwater pollution prevention plan for the project. The sponsor shall contact the Missouri Department of Natural Resources (DNR) NPDES Storm Water Program office at (573) 751-1300 or (800) 361-4827 for further directions. A few cities (Kansas City, Columbia, and others) and counties have obtained their own land disturbance permits from DNR for generic land disturbance purposes; see additional discussion on stormwater and erosion control in 136.4 Environmental and Cultural Requirements of the LPA Policy.

## **7. Hazardous Waste Sites**

More than likely, areas to be disturbed will be located in rural areas that have been used for agriculture or similar purposes. Hazardous wastes are most typically associated with commercial or previous industrial properties.

If the proposed area is basically farmland or pasture, and has not been used for any commercial activity or dumping, hazardous wastes are unlikely. The contractor should simply document the existing and historic land use of the parcel and tell how this assessment was obtained.

In nonrural, suburban or commercial areas a nonintrusive investigation may be used to "diagnose" the environmental conditions of a selected site. The following is a list of suggested items, but not inclusive, for a cursory nonintrusive investigation.

- Examine any noticeable contamination in the form of surface staining, oil sheen, odors, stressed vegetation, spills, leaks, illegal dumping, etc.
- Conduct interviews of local citizens and current owners to identify past land use practices and hazardous waste management practices.
- Consult with local and state (Missouri Department of Natural Resources, Hazardous Waste Program, 573-751-3176) environmental regulatory agencies to identify if any past problems (complaints, citations, etc.) have occurred at the site, if any permits/licenses have been filed for the site, or if enforcement actions have occurred.

If the above analyses produce negative results, the contractor should provide documentation to the MoDOT Design Division-Environmental Section as to who was contacted and the results of the contact. However, if through the search for information described above, potential problems are identified, it would be wise to locate another site.

The potential to encounter wastes from sites that are unknown should always be a consideration. Any unknown sites that are found will be handled in accordance with Federal and State Laws and Regulations.



## 8. Historic Preservation

All jobs requiring environmental clearance for historic preservation (archaeological sites, buildings, and structures) must be reviewed and approved by the State Historic Preservation office (SHPO), Department of Natural Resources. To initiate SHPO's review and clearance of a proposed site for cultural resources, a "Section 106 Project Information Form" must be completed and submitted to SHPO along with a copy of a United States Geological Survey (USGS) topographic map indicating the location of the project. In addition, photographs of any structures that will be impacted must be provided. The "Section 106 Project Information Form" can be obtained from the SHPO website or requested from the SHPO by telephone, (573) 751-7858, or mail:

Missouri Department of Natural Resources  
State Historic Preservation Office  
Attn: Section 106 Review  
P.O. Box 176  
Jefferson City, MO, 65102-0176

Based on the information supplied, SHPO may clear the project at that time or request that the contractor acquire the services of an archaeological consultant to conduct a historic preservation survey of the proposed area. A listing of currently acceptable and available archaeological consultants who can complete a survey if required can be viewed at the SHPO's website. Any questions can be directed to the Design Division-Historic Preservation Section, at (573) 751-0473.

## 9. Public Land

If borrow sites are proposed on any publicly owned land, contact the MoDOT district representative before proceeding. Section 4(f) of the Department of Transportation Act of 1966 (now codified as 49 U.S.C. 303 and 23 U.S.C. 138) protects certain public lands. Section 4(f) requires that all U.S. DOT-funded transportation projects must avoid impacts to public parkland and wildlife refuges (and cultural resources deemed eligible for the National Register of Historic Places), unless it is successfully demonstrated that no feasible and prudent alternative exists that avoid "use" or impacts to the park or refuge. It is strongly recommended that public lands not be considered as potential borrow sites.

Once the contractor has obtained all of the above information, it should be provided to the MoDOT district contact. The transmittal letter must include **county, route and job number** of the project, along with a map depicting the location and limits of the site(s).

**ENVIRONMENTAL/CULTURAL PERMITS,  
LAND DISTURBANCE PERMIT(s),  
APPROVAL LETTERS RAILROADS, ETC.**

**The following permits have been acquired and are included herein:**

- 1. Cultrual Resource Assessment - 106**
- 2. Jefferson County Land Disturbance Permit**
- 3. Request for Environmental Review – Final Review**
- 4. Threatened & Endangered Species Review**
  - a. Missouri Dept of Conservation Report**
  - b. U.S. Fish and Wildlife Service Report**
  - c. Threatened and Endangered Species List**

## CULTURAL RESOURCE ASSESSMENT

### Section 106 Review

**CONTACT PERSON/ADDRESS**

Mr. Jason Dohrmann, PE  
HR Green, Inc.  
16020 Swingley Ridge Road, Suite 205  
Chesterfield, MO 63017

**C:**

Ms. Raegan Ball, FHWA  
Mr. Michael Meinkoth, MoDOT  
Mr. Taylor Peters, FHWA

**PROJECT:**

STP-5462(608) – Intersection Improvements Old State Route 21 as East/West Four Ridge Road - Project Limits Change

**FEDERAL AGENCY**

FHWA

**COUNTY:**

Jefferson

The State Historic Preservation Office has reviewed the information submitted on the above referenced project. Based on this review, we have made the following determination:



After review of initial submission, the project area has a low potential for the occurrence of cultural resources. A cultural resource survey, therefore, is not warranted.



Adequate documentation has been provided (36 CFR Section 800.11). There will be "no historic properties affected" by the current project.



An adequate cultural resource survey of the project area has been previously conducted. It has been determined that for the proposed undertaking there will be "no historic properties affected".

For the above checked reason, the State Historic Preservation Office has no objection to the initiation of project activities. PLEASE BE ADVISED THAT, IF THE CURRENT PROJECT AREA OR SCOPE OF WORK ARE CHANGED, A BORROW AREA IS INCLUDED IN THE PROJECT, OR CULTURAL MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, APPROPRIATE INFORMATION MUST BE PROVIDED TO THIS OFFICE FOR FURTHER REVIEW AND COMMENT. Please retain this documentation as evidence of compliance with Section 106 of the National Historic Preservation Act, as amended.

By: Toni M. Prawl

Toni M. Prawl, Ph.D., Deputy State Historic Preservation Officer

February 27, 2019

Date

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
STATE HISTORIC PRESERVATION OFFICE  
P.O. Box 176, Jefferson City, Missouri 65102

For additional information, please contact Amy Rubingh, (573) 751-4589.

Please be sure to refer to the project number: 038-JE-17

## Jefferson County Land Disturbance Permit

### Permit Number: MO-JCSWLD-19-06

In compliance with Jefferson County Unified Development Order Chapter 505 Land Disturbance and as amended hereinafter, the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Owner: Jefferson County  
Address: P.O. Box 100  
Hillsboro, MO 63050

Continuing Authority: Same as Above  
Address:

Site Name: Old State Route 21 at E & W Four Ridge  
Site Address: Intersection of Old 21 at East/West Four Ridge Road Intersection  
Jefferson County

Parcel Number: 08-3.0-07.01-003-028 & Jefferson County Right of Way

**The north portion of the project flows to a different drainage area than the south portion of the project.**

Receiving Stream: North: Tributary to Rock Creek – South: Tributary to Glaize Creek

First Classified Stream and ID: North: Rock Creek - South: Heads Creek

USGS Basin & Sub-watershed No.: North: 07140101 – 0601 - South: 07140104 - 0406

NPDES Outfall Number: NA

Owner is authorized to discharge from the site described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

All outfall in accordance with final plans dated: **April 5, 2019**

Construction or land disturbance activity (e.g., clearing, grubbing, excavating, grading, and other activity that results in the destruction of the root zone and/or land disturbance activity that is reasonably certain to cause pollutions to the waters of the state and county).

This permit authorizes storm water discharged under Jefferson County Unified Development Order Chapter 505 Land Disturbance, The Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas.

Issue Date: April 5, 2019

Expiration Date: **Upon Termination**

  
Jason Jonas, P.E.  
Public Works Director



This RER has been completed, only administrators may edit this document now, they will contact you if any information changes.

Date Completed: 03/06/2019

Completed By: Matthew Burcham

## Request for Environmental Review

### Form#:2017-06-00172

#### Project Information

Prefix:	STP	Project Number:	5462608	Bridge Number:	
District:	St. Louis	County:	Jefferson	Sponsor:	
TIP Number:	6604A 17	Rte/Street:	OLD STATE RT 21 null		
MoDOT Job Number:		TIGER Grant Funds:		Is this project on or adjacent to MoDOT Right of Way:	No
Location/Stream Crossing :	AT EAST/WEST FOUR RIDGE RD				
TMS Project Description - termini (no stations):	INTERSECTION IMPROVEMENTS OLD STATE RT 21 AT EAST/WEST FOUR RIDGE ROAD				
Describe RER project improvements in full detail:	This project consists of the realignment of East/West Four Ridge Road at Old State Route 21 in order to increase deficient sight distance which will in turn greatly increase motorists' safety through the corridor. Old State Route 21 will undergo a pavement resurfacing, while East/West Four Ridge Road will be relocated on a completely new alignment requiring excavation, potential rock cuts, and new full-depth pavement within the project limits. The current project has an excess amount of material that would have been hauled off the project but now the proposed work includes extending a soccer field by filling in the ravine and tying into the existing ground with a 3:1 slope on a property that is adjacent to the project. Jefferson County has negotiated this with the property owner and we are getting started on the plan revisions for the additional work.				
District Liason:	Cynthia Simmons - 314-453-1833	Contact:	None selected		
Contact:	None selected	Contact:	None selected		
Date Desired:	07/08/2017	Submit Date:	06/08/2017		
Desired A-Date:					
Responsible Individual:	Kori Neely - (6/7/2017 8:09:09 AM)	Submitted By:	- (6/8/2017 12:00:00 AM)		
<b>Existing Condition</b>					
ADT:	4938	Speed Limit:	50		
Number of Travel Lanes:	Varies (2 to 4)	Lane Width:	12		
Shoulder Width:	8	Curb and Gutter:	No		
Bridge width, measured from gutterline to gutterline:		Sidewalks:	None		
<b>Proposed Design Improvement</b>					
ADT:	8919	Speed Limit:	50	Design Speed:	55
Number of Travel Lanes:	Varies (2 to 5)	Lane Width:	12		
Shoulder Width:	Varies (4 to 8)	Curb and Gutter:	No		
Bridge width, measured from gutterline to gutterline:		Sidewalks:	None		

Bridge Length:

Roadway length: 0.35

Railroad Crossing No

Drainage District (If  
Applicable): Choose One...**Program Year:**

Preliminary Engineering: 2017

Right of Way: 2018

Construction: 2019

Has the district  
documented that the  
project has: 1.  
Independent utility, 2.  
Logical termini, and 3.  
Does not restrict  
consideration of  
alternatives for other  
reasonably foreseeable  
transportation  
improvements?:

☐ Yes ☐ No

☐ Project breakout from  
previous or larger  
project? *If checked explain:*

**Acres - From all sources (e.g. donated from public or private entities):****Additional R/W:** 0.52**Temp Easement:** 0.6**Permanent Easement:** 0

Is there a possibility that  
Sponsor will purchase  
any uneconomic  
remnants?

Unknown

Is ANY Federally-owned  
land impacted by the  
project?

☐ Yes ☐ No**Land Disturbance:**

Will project involve 1  
acre but less than 5  
acres of land  
disturbance:

No

Will project involve 5  
acres or more of land  
disturbance:

No

**Acres of Tree Clearing:** 0.69 acres**Number of Displacements(do not include partial takes that do not displace):**Residential: ☐ Yes ☒ NoCommercial: ☐ Yes ☒ No

No. of People: Residences:

No. of Employees: Businesses:

Public Hearing/Meeting  
Information:**Average Daily Traffic:**

ADT Construction Year: 4938

ADT Design Year: 8919

**Traffic Impacts:**Road Closure Planned: ☐ Yes ☒ NoBridge Closure Planned: ☐ Yes ☒ No

Detour Info:

Days/Months Closed:



**Bicycle / Pedestrian Consideration**

Pedestrian facilities  
considered: No

Bicycle facilities  
considered: Yes

**National Flood Insurance Program (NFIP) and Hydraulic Design Data:**

☐ Project is in a FEMA-identified zone "subject to 100-year flooding": *If so, what zone?:*

Project is in a FEMA-defined "floodway" No

☐ Project involves land purchased through FEMA Hazard Mitigation Grant Program (Flood buyout property)

*If checked, give details:*

Is ANY construction taking place on MoDOT owned property under this project?

☐ Yes ☐ No

☐ Is highway improvement located within 4 miles of an existing airport?

**Known Concerns: Provide information you have about these resources that you have observed in the area.**

Parkland:

Wetland/404 Permit:

Stormwater/Water  
Quality:

Farmland:

Threatened &  
Endangered Species:

Roughly 0.28 acres along the West side of Old State Route 21 (North of the existing intersection), 0.54 acres along the East side of Old State Route 21 (North of the existing intersection), and 0.07 acres along the North side of the existing West Four Ridge Road are to be cleared. Clearing will be less than 100' from the road in all areas. The Gray Bat, Indiana bat, and Northern Long-eared Bat are listed as threatened or endangered on the official species list. However, impacts to these bats are not expected, as each species lives in cool caves. The Northern Long-eared Bat inhabits trees and under bark in the summer, so clearing should only take place from November 1-March 31. The following species of clams are endangered: Scaleshell Mussel, Sheepnose Mussel, and Spectaclecase (mussel). None of these shall be impacted from this job.

Migratory Birds: Are  
there birds nesting on  
the structure?

No, There are no structures on this job, so no action is needed to protect migratory birds.

Hazardous Waste:

Cultural Resources:

LPA Comments:

**Project Attachments:**

**\*\*NOTE: If making updates to an attachment, please use a different filename than the original.**

**\*\*The combined size of attachments in one upload must be less than 100MB**

## Attachments:

- ✖ [022719\\_Section106\\_Approval.pdf](#)
- ✖ [02042019\\_IPaC\\_USFWS\\_Species-List.pdf](#)
- ✖ [122818\\_STP-5462\(608\)\\_Exhibit.pdf](#)
- ✖ [080317-MoDOC\\_Natural-Heritage-Review-Report.pdf](#)
- ✖ [IPaC\\_USFWS\\_Species-List.pdf](#)
- ✖ [MoDOC\\_Natural-Heritage-Review.pdf](#)
- ✖ [IPaC\\_Tree-Clearing-Photos.pdf](#)
- ✖ [070717\\_Section106\\_Clearance.pdf](#)
- ✖ [060617\\_STP-5462-608\\_PrelimPlans.pdf](#)

**Required Information to be attached for each RER stage:**

- **Loc/Concp.:** Location map (county map) & topographic map or aerial photo showing project limits – pre-plan sheets or other preliminary maps showing alternatives, if available
- **Prel. Plan:** Prel. Plan sheets
- **R/W:** R/W Plan sheets
- **Final Design:** Final Plans [Location map (county map) & topographic map or aerial photo showing project limits if this is first RER submittal]

## RER Environmental Screenings

### Farmland Impact

Status Information:

☒ N/A ☐ Pending ☐ Cleared

Clearance Date:

Environmental Response: The project is located in a designated urbanized area as indicated on the U.S. Census Bureau Urban Area Reference Map. Therefore, the project is not subject to the Farmland Protection Policy Act.

LPA Action: None

## Attachments:

☒ Farmland Impact Submitted - Mark submitted when this review is ready to be sent to district staff.

Last Updated: Matthew Burcham - 7/5/2017 2:53:57 PM

### Floodplain/Regulatory Floodway

Status Information:

☒ N/A ☐ Pending ☐ Cleared

Clearance Date:

Environmental Response: According to the current FEMA flood insurance rate map, the project is not located in the 1% floodplain or the regulatory floodway. The project is not subject to floodplain permitting requirements.

LPA Action: None

## Attachments:

☒ Floodplain/Regulatory Floodway Submitted - Mark submitted when this review is ready to be sent to district staff.

Last Updated: Matthew Burcham - 7/5/2017 2:55:05 PM

**Stormwater/Water Quality**

Status Information:

☒ N/A ☐ Possible Issues Noted

Clearance Date:

Environmental Response: If the project is in a regulated MS4 area, you must adhere to the MS4 requirements as defined in the respective MS4 permit specific to that municipality. Stormwater routed into MoDOT's drainage system (e.g., ditches and stormwater conveyance systems) must be treated for water quality and/or quantity before entering the system.

LPA Action: Contact the MoDOT Environmental Office if any land disturbance on MoDOT property is 1 acre or more.

**Attachments:**☒ Stormwater/Water Quality Submitted - *Mark submitted when this review is ready to be sent to district staff.**Last Updated: Matthew Burcham - 7/5/2017 2:55:20 PM***FEMA/SEMA Buyout**

Status Information:

☒ N/A ☐ Pending ☐ Cleared

Clearance Date:

Environmental Response: According to the TMS FEMA buyout layer, there are no FEMA/SEMA buyout sites in or near the project area.

LPA Action: None

**Attachments:**☒ FEMA/SEMA Buyout Submitted - *Mark submitted when this review is ready to be sent to district staff.**Last Updated: Matthew Burcham - 7/5/2017 2:55:33 PM***Socioeconomic Impact**

Status Information:

☒ N/A ☐ Possible Issues Noted

Clearance Date:

Environmental Response: There will be no significant socioeconomic impacts associated with this project. The project requires new right of way/ temporary easements/permanent easements that are subject to the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended.

LPA Action: Conduct the acquisition of affected properties in accordance with the procedures established in the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended.

**Attachments:**☒ Socioeconomic Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.**Last Updated: Matthew Burcham - 7/5/2017 2:55:51 PM*

## Threatened &amp; Endangered Species

Status Information:

☐ No Effect
 ☐ Pending
 ☒ Cleared

Clearance Date:

02/27/2019

Environmental  
Response:

Stephanie, The U.S. Fish and Wildlife Service has reviewed your February 26, 2018 email and enclosures requesting consultation on the proposed intersection project in Jefferson County, Missouri and submits these comments pursuant to the Endangered Species Act of 1973, as amended (16 U.S.C. 1531-1544). Based on the information the Service concurs with your determination that the proposed work is not likely to adversely affect federally listed species. Should the scope, timing, or manner of activity change, please contact this office. Thank you for the opportunity to review the proposed project. Sincerely, Andy Roberts Hi Andy, Attached is a Biological Assessment for a LPA intersection project in Jefferson County. Consultation was initially completed under the Programmatic Range-wide Agreement in September 2017. The project initially included one acre of tree clearing; the project now includes 2.5 acres of tree clearing. A total of 18 suitable roost trees have been identified in the limits of clearing; six of them are beyond 100 feet from existing roadway. These trees will be removed before March 31, 2019. MoDOT has determined that this project may affect, but is not likely to affect, Indiana or northern long-eared bats. In addition to the BA, the IPaC Official Species List and a PDF showing the project limits are also attached. Because the County would like to remove the trees before March 31, 2019, could you please expedite review of this project if at all possible? Please let me know if you need any additional information that would help in your review! Thank you, Stephanie McLerran Environmental Specialist Wetlands, T&E, Stormwater (Central District Consultation code: 03E14000-2017-SLI-1981 Species listed: scaleshell mussel, sheepnose mussel, spectaclecase mussel, gray bat, Indiana bat, northern long-eared bat MoDOT is submitting the documentation for Section 7 ESA consultation for Indiana and northern long-eared bats for an intersection improvement project at East Four Ridge Rd and Old Rt 21 in northeastern Jefferson County. This minor federal aid transportation project is sponsored by Jefferson County, Missouri and is categorized as a Programmatic Categorical Exclusion for NEPA documentation. I have attached the programmatic consultation document, IPaC Official Species List, project area map, plans, and photos. MoDOT reviewed all documentation, the Missouri Department of Conservation Natural Heritage Database, and the MO Speleological Survey Cave Database for natural resource information. MoDOT has determined there will be No Effect on scaleshell, sheepnose, spectaclecase, gray bats or any federally designated critical habitat. This project will relocate the existing intersection of Four Ridge Road and Old Hwy 21 approximately 150 feet to the north between House Springs and Imperial, MO. This will remove a curve that exists immediate to the east of the intersection, increasing sight distance. This project will require clearing and grubbing, excavation, potential rock cuts, and new pavement. The consultant for the sponsor and MoDOT assessed forested habitat in the field in September 2017. Less than 1.0 ac of trees will be removed and a few potentially suitable summer bat roost trees were identified. All suitable summer bat roost trees are within 100? of the existing road. The sponsor has committed to only clear suitable bat roost trees between Nov 1 and Mar 31 and plans to begin construction in Spring 2018. As the designated non-federal representative for Federal Highway Administration in Missouri, MoDOT has determined that this project May Affect, but is Not Likely to Adversely Affect the Indiana bat or northern long-eared bat. This project meets the criteria for Programmatic Range-wide Consultation for Indiana and northern long-eared bats. USFWS has responded to programmatic consultation for bat habitat with no additional comments. The sponsor must follow the tree clearing restriction dates, either prior to or during construction contract. A job special provision will be needed. If the consultant/sponsor would like me to return this winter to mark individual trees, I can do that. This completes the USFWS Section 7 ESA requirements for this federally funded project. Bree K. McMurray Threatened and Endangered Species Specialist Missouri Dept. of Transportation

LPA Action: No further action required.

## Attachments:

☒ Threatened & Endangered Species Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Matthew Burcham - 3/6/2019 9:22:16 AM

## Migratory Birds

Status Information:

☒ N/A
 ☐ Pending
 ☐ Cleared

Clearance Date:

Environmental  
Response:

No bridge work no impacts to migratory birds.

LPA Action: None

## Attachments:

☒ Migratory Birds Submitted - *Mark submitted when this review is ready to be sent to district staff.*

Last Updated: Matthew Burcham - 7/5/2017 2:56:47 PM

### Hazardous Waste Impact

Status Information:

☒ N/A ☐ Pending ☐ Cleared

Clearance Date:

Environmental Response: Based on the project description and/or observation, there should be no hazardous waste site concerns. The potential to encounter wastes from sites unknown to the LPA and MoDOT should always be a consideration. Any unknown sites that are found during project construction will be addressed by the LPA in accordance with Federal and State Laws and Regulations.

LPA Action: Any unknown sites that are found during project construction will be addressed by the LPA in accordance with Federal and State Laws and Regulations. If any hazardous waste concerns arise, notify MoDOT's environmental specialist as soon as possible.

#### Attachments:

☒ Hazardous Waste Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

*Last Updated: Matthew Burcham - 7/5/2017 2:59:07 PM*

### Wetland Impact (Section 404/401)

Status Information:

☒ N/A ☐ Pending ☐ Cleared

Clearance Date:

Environmental Response: According to the USFWS National Wetlands Inventory Mapper, there are no wetlands, blue line streams, lakes, ponds, or other waters of the U.S. in or around the project area. A review of Google Earth and ArcMap also did not reveal the presence of any water bodies in the project area. The project will have no impact on wetlands or waters of the U.S.

LPA Action: None

Wetland Permit  
Information:

404 Permit Number

Permit Submitted

Permit Received

Permit Expiration

Compliance Certification Sent

Compliance Certification Received

#### Attachments:

☒ Wetland Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

*Last Updated: Matthew Burcham - 7/5/2017 3:01:41 PM*

### Noise Impact

Status Information:

☒ N/A ☐ Pending ☐ Cleared

Clearance Date:

Environmental Response: The project's improvements to not meet the criteria to make it a Type I project therefore this is a Type III project and a noise analysis is not required.

LPA Action: None

#### Attachments:

☒ Noise Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

*Last Updated: Matthew Burcham - 7/5/2017 3:03:08 PM*

### Cultural Resources Impact (Section 106)

Status Information:

☐ Pending ☒ Cleared

Clearance Date:

02/27/2019

Environmental Response: A Section 106 Review in consultation with the State Historic Preservation Office (SHPO) determined no historic properties affected for original project and recent addition. 38-JE-17

LPA Action: No further action is required.

#### Attachments:

☒ Cultural Resources Impact Submitted - *Mark submitted when this review is ready to be sent to district staff.*

*Last Updated: Matthew Burcham - 3/6/2019 9:17:46 AM*

**Public Land Impact (Section 4f/6f)**

Status Information:

☒ N/A ☐ Pending ☐ Cleared

Clearance Date:

Environmental Response: According to Google Earth there are no Section 4(f) or Section 6(f) protected resources in or in the vicinity of the project area. The project will have no impact on Section 4(f) or 6(f) protected resources. Project scope change will add fill from project to private landowner German Cultural Society. It is not public, therefore there are no Section 4f or 6f impacts.

LPA Action: None

**Attachments:**

☒ Based on the review of the project location and description noted above, there are no identified 4(f) or 6(f) resources affected that would preclude the setting of an A-date.

Checked by: Matt Burcham on 01/11/2019

☒ Public Land Impact Submitted - Mark submitted when this review is ready to be sent to district staff.

Last Updated: Matthew Burcham - 1/11/2019 8:44:51 AM

**NEPA Classification**

NEPA Right-Of-Way Permission: Can Proceed to Buy R/W

as determined or approved by: MATTHEW.BURCHAM@MODOT.MO.GOV

NEPA Approval/Proceed to A-date Request: 03/06/2019

NEPA Classification: PCE

This project qualifies for the programmatic categorical exclusion under Item#:

14

All Environmental Issues Cleared: 03/06/2019

Comments To District: FINAL Environmental Review Completed Please note that if there are any changes in the scope of the project, the Environmental Section should review those changes. The sponsor is ultimately responsible for complying with all applicable state and federal laws. The environmental review is now complete.

**Attachments:**

Last Submitted: 03/06/2019 by Matthew Burcham





## United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Missouri Ecological Services Field Office  
101 Park Deville Drive  
Suite A  
Columbia, MO 65203-0057  
Phone: (573) 234-2132 Fax: (573) 234-2181



In Reply Refer To:

February 04, 2019

Consultation Code: 03E14000-2017-SLI-1981

Event Code: 03E14000-2019-E-01717

Project Name: Old State Route 21 and East/West Four Ridge Road Intersection Improvements

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

This response has been generated by the Information, Planning, and Conservation (IPaC) system to provide information on natural resources that could be affected by your project. The U.S. Fish and Wildlife Service (Service) provides this response under the authority of the Endangered Species Act of 1973 (16 U.S.C. 1531-1543), the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d), the Migratory Bird Treaty Act (16 U.S.C. 703-712), and the Fish and Wildlife Coordination Act (16 U.S.C. 661 *et seq.*).

### Threatened and Endangered Species

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and may be affected by your proposed project. The species list fulfills the requirement for obtaining a Technical Assistance Letter from the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. **Note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days.** The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

## Consultation Technical Assistance

Refer to the Midwest Region [S7 Technical Assistance](#) website for step-by-step instructions for making species determinations and for specific guidance on the following types of projects: projects in developed areas, HUD, pipelines, buried utilities, telecommunications, and requests for a Conditional Letter of Map Revision (CLOMR) from FEMA.

### Federally Listed Bat Species

Indiana bats, gray bats, and northern long-eared bats occur throughout Missouri and the information below may help in determining if your project may affect these species.

*Gray bats* - Gray bats roost in caves or mines year-round and use water features and forested riparian corridors for foraging and travel. If your project will impact caves, mines, associated riparian areas, or will involve tree removal around these features particularly within stream corridors, riparian areas, or associated upland woodlots gray bats could be affected.

*Indiana and northern long-eared bats* - These species hibernate in caves or mines only during the winter. In Missouri the hibernation season is considered to be November 1 to March 31. During the active season in Missouri (April 1 to October 31) they roost in forest and woodland habitats. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags 5 inches diameter at breast height (dbh) for Indiana bat, and 3 inches dbh for northern long-eared bat, that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Tree species often include, but are not limited to, shellbark or shagbark hickory, white oak, cottonwood, and maple. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat and evaluated for use by bats. If your project will impact caves or mines or will involve clearing forest or woodland habitat containing suitable roosting habitat, Indiana bats or northern long-eared bats could be affected.

Examples of unsuitable habitat include:

- Individual trees that are greater than 1,000 feet from forested or wooded areas;
- Trees found in highly-developed urban areas (e.g., street trees, downtown areas);
- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees; and
- A stand of eastern red cedar shrubby vegetation with no potential roost trees.

## Using the IPaC Official Species List to Make No Effect and May Affect Determinations for Listed Species

1. If IPaC returns a result of “There are no listed species found within the vicinity of the project,” then project proponents can conclude the proposed activities will have **no effect** on any federally listed species under Service jurisdiction. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example ["No Effect" document](#) also can be found on the S7 Technical Assistance website.

2. If IPaC returns one or more federally listed, proposed, or candidate species as potentially present in the action area of the proposed project other than bats (see #3 below) then project proponents can conclude the proposed activities **may affect** those species. For assistance in determining if suitable habitat for listed, candidate, or proposed species occurs within your project area or if species may be affected by project activities, you can obtain [Life History Information for Listed and Candidate Species](#) through the S7 Technical Assistance website.

3. If IPaC returns a result that one or more federally listed bat species (Indiana bat, northern long-eared bat, or gray bat) are potentially present in the action area of the proposed project, project proponents can conclude the proposed activities **may affect** these bat species **IF** one or more of the following activities are proposed:

- a. Clearing or disturbing suitable roosting habitat, as defined above, at any time of year;
- b. Any activity in or near the entrance to a cave or mine;
- c. Mining, deep excavation, or underground work within 0.25 miles of a cave or mine;
- d. Construction of one or more wind turbines; or
- e. Demolition or reconstruction of human-made structures that are known to be used by bats based on observations of roosting bats, bats emerging at dusk, or guano deposits or stains.

If none of the above activities are proposed, project proponents can conclude the proposed activities will have **no effect** on listed bat species. Concurrence from the Service is not required for **No Effect** determinations. No further consultation or coordination is required. Attach this letter to the dated IPaC species list report for your records. An example ["No Effect" document](#) also can be found on the S7 Technical Assistance website.

If any of the above activities are proposed in areas where one or more bat species may be present, project proponents can conclude the proposed activities **may affect** one or more bat species. We recommend coordinating with the Service as early as possible during project planning. If your project will involve removal of over 5 acres of suitable forest or woodland habitat, we recommend you complete a Summer Habitat Assessment prior to contacting our office to expedite the consultation process. The Summer Habitat Assessment Form is available in Appendix A of the most recent version of the [Range-wide Indiana Bat Summer Survey Guidelines](#).

## Other Trust Resources and Activities

*Bald and Golden Eagles* - Although the bald eagle has been removed from the endangered species list, this species and the golden eagle are protected by the Bald and Golden Eagle Act and the Migratory Bird Treaty Act. Should bald or golden eagles occur within or near the project area please contact our office for further coordination. For communication and wind energy projects, please refer to additional guidelines below.

*Migratory Birds* - The Migratory Bird Treaty Act (MBTA) prohibits the taking, killing, possession, transportation, and importation of migratory birds, their eggs, parts, and nests, except when specifically authorized by the Service. The Service has the responsibility under the MBTA to proactively prevent the mortality of migratory birds whenever possible and we encourage implementation of recommendations that minimize potential impacts to migratory birds. Such measures include clearing forested habitat outside the nesting season (generally March 1 to August 31) or conducting nest surveys prior to clearing to avoid injury to eggs or nestlings.

*Communication Towers* - Construction of new communications towers (including radio, television, cellular, and microwave) creates a potentially significant impact on migratory birds, especially some 350 species of night-migrating birds. However, the Service has developed [voluntary guidelines for minimizing impacts](#).

*Transmission Lines* - Migratory birds, especially large species with long wingspans, heavy bodies, and poor maneuverability can also collide with power lines. In addition, mortality can occur when birds, particularly hawks, eagles, kites, falcons, and owls, attempt to perch on uninsulated or unguarded power poles. To minimize these risks, please refer to [guidelines](#) developed by the Avian Power Line Interaction Committee and the Service. Implementation of these measures is especially important along sections of lines adjacent to wetlands or other areas that support large numbers of raptors and migratory birds.

*Wind Energy* - To minimize impacts to migratory birds and bats, wind energy projects should follow the Service's [Wind Energy Guidelines](#). In addition, please refer to the Service's [Eagle Conservation Plan Guidance](#), which provides guidance for conserving bald and golden eagles in the course of siting, constructing, and operating wind energy facilities.

### Next Steps

Should you determine that project activities **may affect** any federally listed species or trust resources described herein, please contact our office for further coordination. Letters with requests for consultation or correspondence about your project should include the Consultation Tracking Number in the header. Electronic submission is preferred.

If you have not already done so, please contact the Missouri Department of Conservation (Policy Coordination, P. O. Box 180, Jefferson City, MO 65102) for information concerning Missouri Natural Communities and Species of Conservation Concern.

We appreciate your concern for threatened and endangered species. Please feel free to contact our office with questions or for additional information.

Karen Herrington

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Wetlands

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Missouri Ecological Services Field Office**

101 Park Deville Drive

Suite A

Columbia, MO 65203-0057

(573) 234-2132



## Project Summary

Consultation Code: 03E14000-2017-SLI-1981

Event Code: 03E14000-2019-E-01717

Project Name: Old State Route 21 and East/West Four Ridge Road Intersection Improvements

Project Type: TRANSPORTATION

Project Description: Old State Route 21 is a minor arterial roadway in Jefferson County. It is a former MoDOT route that Jefferson County took ownership of and responsibility for after Route 21 was extended. It then became more of a rural connection for the County.

The intersection of Old State Route 21 and East/West Four Ridge Road is on a horizontal curve in full superelevation that is in need of increased sight distance for safety reasons. The project consists of a complete realignment of East/West Four Ridge Road, relocating the intersection approximately 110 feet north of the existing intersection. With this realignment comes considerable excavation, potential rock cuts, and steep grades. The deepest cut is approximately 24'. East/West Four Ridge Road is a two-lane road, with 12' lanes and 1' shoulders (26' wide total).

The pavement surface on Old State Route 21 is in need of a rehabilitative surface treatment. The project extends south approximately 545 feet from the proposed intersection to approximately 405 feet north of the proposed intersection. The project length is approximately 0.35 miles, as seen on the Preliminary Plan set attached as an Appendix to this submittal.

02/01/2019

The project limits have changed to include placing the excess excavated material from the intersection realignment on a property adjacent to Old State Route 21 at the northeast corner of the intersection. Instead of hauling off the excess amount of material the plan is to extend the soccer field on the adjacent property by placing the excess material in the ravine and tying into existing ground with 3:1 slopes. The improvements will require additional tree clearing in order to place the fill. These limits are located outside of existing right-of-way but an agreement is in place to access the private property.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/38.39350074432079N90.49703314968895W>



Counties: Jefferson, MO

## Endangered Species Act Species

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## Mammals

NAME	STATUS
Gray Bat <i>Myotis grisescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6329">https://ecos.fws.gov/ecp/species/6329</a>	Endangered
Indiana Bat <i>Myotis sodalis</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Threatened

## Clams

NAME	STATUS
<b>Scaleshell Mussel</b> <i>Leptodea leptodon</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5881">https://ecos.fws.gov/ecp/species/5881</a>	Endangered
<b>Sheepnose Mussel</b> <i>Plethobasus cyphus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6903">https://ecos.fws.gov/ecp/species/6903</a>	Endangered
<b>Spectaclecase (mussel)</b> <i>Cumberlandia monodonta</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7867">https://ecos.fws.gov/ecp/species/7867</a>	Endangered

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

## USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

## Wetlands

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.



"General Decision Number: M020190001 07/19/2019

Superseded General Decision Number: M020180001

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 \$10.60 for calendar year 2019 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 \$10.60 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 2019. 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](http://www.dol.gov/whd/govcontracts).

Modification Number	Publication Date
0	01/04/2019
1	02/15/2019
2	03/08/2019
3	03/22/2019
4	04/12/2019
5	05/10/2019
6	05/24/2019
7	06/07/2019
8	06/21/2019
9	07/05/2019
10	07/19/2019

CARP0002-002 05/01/2019

#### ST. LOUIS COUNTY AND CITY

	Rates	Fringes
Carpenters.....	\$ 38.02	17.77
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CARP0005-006 05/03/2015		

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

	Rates	Fringes
Carpenters:		
CARPENTERS & LATHERS.....	\$ 36.34	15.55
MILLWRIGHTS & PILEDRIVERS...	\$ 36.34	15.55
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	Rates	Fringes
Carpenter and Piledriver		
ADAIR, AUDRAIN (West of Hwy 19), BOONE, CALLAWAY, CHARITON, COLE, COOPER, HOWARD, KNOX, LINN, MACON, MILLER, MONITEAU, MONROE, OSAGE, PUTNAM, RANDOLPH, SCHUYLER, SHELBY AND SULLIVAN COUNTIES.....\$ 32.28	17.77	
ATCHISON, ANDREW, BATES, CALDWELL, CARROLL, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY, ST. CLAIR, SALINE AND WORTH COUNTIES.....\$ 30.76	17.77	
AUDRAIN (East of Hwy.19), RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES.\$ 32.29	17.77	
BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES.\$ 30.36	17.77	
BENTON, MORGAN AND PETTIS...\$ 30.81	17.77	
BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, STE. GENEVIEVE, SCOTT, STODDARD AND WAYNE COUNTIES.....\$ 32.14	17.77	
BUCHANAN, CLINTON, JOHNSON AND LAFAYETTE COUNTIES.....\$ 31.49	17.77	
CARTER, HOWELL, OREGON AND RIPLEY COUNTIES.....\$ 31.09	17.77	
CRAWFORD, DENT, GASCONADE, IRON, MADISON, MARIES, MONTGOMERY, PHELPS, PULASKI, REYNOLDS, SHANNON AND TEXAS COUNTIES.....\$ 32.13	17.77	
FRANKLIN COUNTY.....\$ 35.56	17.77	
JEFFERSON AND ST. CHARLES COUNTIES.....\$ 38.02	17.77	
LINCOLN COUNTY.....\$ 34.00	17.77	
PIKE, ST. FRANCOIS AND WASHINGTON COUNTIES.....\$ 32.92	17.77	
WARREN COUNTY.....\$ 34.44	17.77	
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ELEC0001-002 06/03/2018		
BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, DUNKLIN, FRANKLIN, IRON, JEFFERSON, LINCOLN, MADISON, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, ST. LOUIS (City and County), STE. GENEVIEVE, SCOTT, STODDARD, WARREN, WASHINGTON AND WAYNE COUNTIES		

	Rates	Fringes
Electricians.....\$ 38.12	15.60	
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ELEC0002-001 09/01/2018		

ADAIR, AUDRAIN, BOONE, CALLAWAY, CAMDEN, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, FRANKLIN, GASCONADE, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, MACON, MARIES, MARION, MILLER, MONITEAU, MONROE, MONTGOMERY, MORGAN, OREGON, OSAGE, PERRY, PHELPS, PIKE, PULASKI, PUTNAM,

# Old State Route 21 @ Four Ridge

Jefferson County, MO

IN CLAY, CRAWFORD, DENT, GASCONADE, HOWARD, MARIES,  
ST. CHARLES, ST. FRANCOIS,  
ST. LOUIS (City and County), STE. GENEVIEVE, SCHUYLER,  
SCOTLAND, SHANNON, SHELBY, SULLIVAN, TEXAS, WARREN AND  
WASHINGTON COUNTIES

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

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ELEC0053-004 09/02/2018

	Rates	Fringes
Line Construction: (ANDREW, ATCHINSON, BARRY, BARTON, BUCHANAN, CALDWELL, CEDAR, CHRISTIAN, CLINTON, DADE, DALLAS, DAVIES,, DEKALB, DOUGLAS, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, JASPER, LACLEDE, LAWRENCE, LIVINGSTON, MCDONALD, MERCER, NEWTON, NODAWAY, OZARK, POLK, ST. CLAIR, STONE, TANEY, VERNON, WEBSTER, WORTH AND WRIGHT COUNTIES)		
Groundman Powderman.....	\$ 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 Powderman.....	\$ 31.56	14.90
Groundman.....	\$ 29.46	14.29
Lineman Operator.....	\$ 42.24	18.00
Lineman.....	\$ 45.70	19.00

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ELEC0095-001 06/01/2017

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

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 25.40	12.19
Electricians.....	\$ 26.79	13.86

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ELEC0124-007 08/27/2018

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

	Rates	Fringes
Electricians.....	\$ 39.45	22.51

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ELEC0257-003 03/01/2019

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

## Electricians:

Cable Splicers.....	\$ 30.42	16.085
Electricians.....	\$ 33.25	18.18

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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

Rates	Fringes
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Electricians.....	\$ 31.50	17.20
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ELEC0453-001 09/01/2017

Rates	Fringes
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## Electricians:

CHRISITAN, DALLAS,		
DOUGLAS, GREENE, HICKORY,		
HOWELL, LACLEDE, OREGON,		
OZARK, POLK, SHANNON,		
WEBSTER and WRIGHT COUNTIES..	\$ 26.15	14.56
PULASKI and TEXAS COUNTIES..	\$ 30.80	15.03
STONE and TANEY COUNTIES...	\$ 21.94	13.75

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ELEC0545-003 06/01/2019

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

Rates	Fringes
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Electricians:.....	\$ 32.00	17.30
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ELEC0702-004 01/01/2019

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

Rates	Fringes
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## Line Construction:

Groundman - Class A.....	\$ 29.48	14.55
Groundman-Equipment		
Operator Class II (all		
other equipment).....	\$ 37.35	16.83
Heavy-Equipment Operator		
Class I (all crawler type		
equipment D-4 and larger)...	\$ 42.59	18.35
Lineman.....	\$ 51.88	21.04

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ENG10101-001 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

Rates	Fringes
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## Power equipment operators:

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

GROUP 3: (a) Oiler;

(b) Oiler driver

(c) Mechanic.

## HOURLY PREMIUMS:

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$ .25) ABOVE

GROUP 1 RATE: Dragline operator - 3 yds. & over; shovel 3 yds. & over; clamshell 3 yds. & over; Crane, rigs or piledrivers, 100' of boom or over (incl. jib.), hoist - each additional active drum over 2 drums

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$ .50) ABOVE

GROUP 1 RATE: Tandem scoop operator; crane, rigs or piledrivers 150' to 200' of boom (incl. jib.)

THE FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$ .75) ABOVE

GROUP 1 RATE: Crane rigs, or piledrivers 200 ft. of boom or over (including jib.)

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ENGI0101-005 04/01/2018

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 36.22	17.99
GROUP 2.....	\$ 35.18	17.99
GROUP 3.....	\$ 30.71	17.99
GROUP 4.....	\$ 34.06	17.99

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

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

GROUP 3: Oilers

GROUP 4: Oiler Driver (All Types)

#### FOOTNOTE:

HOURLY PREMIUMS FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$1.00) ABOVE GROUP 1 RATE:  
Clamshells - 3 yd. capacity or over; Cranes or rigs, 80 ft. of boom or over (including jib); Draglines, 3 yd. capacity or over;  
Piledrivers 80 ft. of boom or over (including jib);  
Shovels & backhoes, 3 yd. capacity or over.

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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, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES and CITY OF SPRINGFIELD

Rates Fringes

Power equipment operators:

GROUP 1.....	\$ 30.82	13.30
GROUP 2.....	\$ 29.88	13.30



GROUP 1.....	\$ 28.27	13.30
GROUP 4.....	\$ 28.22	13.30

## 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 gauge; 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); Ullmac, Ullric 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.).

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ENG10513-004 05/06/2019

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

Rates Fringes

## Power equipment operators:

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

## POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Backhoe, Cable; Backhoe, Hydraulic (2 cu yds bucket and under regardless of attachment, one oiler for 2 or 3, two oilers for 4 through 6); Backhoe, Hydraulic over 2 cu yds; Cableway; Crane, Crawler or Truck; Crane, Hydraulic - Truck or Cruiser mounted, 16 tons and over; Crane, Locomotive; crane with boom including jib over 100 ft from pin to pin; Crane using rock socket tool; Derrick, Steam; Derrick Car and Derrick Boat; Dragline, 7 cu yds and over; Dredge; Gradall, Crawler or tire mounted; Locomotive, Gas, Steam & other powers; Pile Driver, Land or Floating; Scoop, Skimmer; Shovel, Power (Electric, Gas, Steam or other powers); Shovel, Power (7 cu yds and over); Switch Boat; Whirley; Air Tugger with air compressor; Anchor Placing Barge; Asphalt Spreader; Athey Force Feeder Loader, self-propelled; Backfilling Machine; Boat Operator - Push Boat or Tow Boat (job site); Boiler, High Pressure Breaking in Period; Boom Truck, Placing or Erecting; Boring Machine, Footing Foundation; Bullfloat; Cherry Picker; Combination Concrete Hoist and Mixer (such as Mixermobile); Compressor, Two 125 CFM and under; Compressor, Two through Four over 125 CFM; Compressor when operator runs throttle; Concrete Breaker (Truck or Tractor mounted); Concrete Pump (such as Pumpcrete machine); Concrete Saw (self-propelled); Concrete Spreader; Conveyor, Large (not selfpropelled) hoisting or moving brick and concrete into, or into and on floor level, one or both; Crane, Climbing (such as Linden); Crane, Hydraulic - Rough Terrain, self-propelled; Crane, Hydraulic - Truck or Cruiser mounted - under 16 tons; Drilling machine - Self-powered, used for earth or rock drilling or boring (wagon drills and any hand drills obtaining power from other 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

operator, 2 through 6; 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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ENG10513-006 05/01/2019

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 29.69	27.16
GROUP 2.....	\$ 29.34	27.16
GROUP 3.....	\$ 29.14	27.16
GROUP 4.....	\$ 25.49	27.16

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

GROUP 3: Spreader box operator, self-propelled not asphalt;  
tractor operator (50 h.p. or less); boilers one; chip  
spreader (front man); churn drill operator; compressor over  
105 CFM 2-3 pumps 4" & over; 2-3 light plant 7.5 KWA or any  
combination thereof; clef plane operator; compressor

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; subgrading machine operator; tank car heater (combination boiler & booster); ulmac, ulric or similar spreader; vibrating machine operator; hydrobroom.

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

FOOTNOTE: HOURLY PREMIUMS

Backhoe hydraulic, 2 cu. yds. or under Without oiler - \$2.00

Certified Crane Operator - \$1.50;

Certified Hazardous Material Operator \$1.50;

Crane, climbing (such as Linden) - \$0.50;

Crane, pile driving and extracting - \$0.50;

Crane, with boom (including jib) over 100' from pin to pin add \$0.01 per foot to maximum of \$4.00;

Crane, using rock socket tool - \$0.50;

Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above the ground) - \$0.50;

Dragline, 7 cu. yds. and over - \$0.50;

Hoist, three or more drums in use - \$0.50; Scoop, Tandem - \$0.50;

Shovel, power - 7 cu. yds. or more - \$0.50;

Tractor, tandem crawler - \$0.50;

Tunnel, man assigned to work in tunnel or tunnel shaft - \$0.50;

Wrecking, when machine is working on second floor or higher - \$0.50;

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ENG10513-007 05/06/2019

ST. LOUIS CITY AND COUNTY

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

GROUP 2: Air tugger w/air compressor; anchor-placing barge; asphalt spreader; atney 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

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

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

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

## HOURLY PREMIUMS:

Backhoe, hydraulic	
2 cu. yds. or under without oiler	\$2.00
Certified Crane Operator	1.50
Certified Hazardous Material Operator	1.50
Crane, climbing (such as Linden)	.50
Crane, pile driving and extracting	.50
Crane, with boom (including jib) over 100' (from pin to pin) add \$.01 per foot to maximum of	4.00
Crane, using rock socket tool	.50
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above ground)	.50
Dragline, 7 cu. yds. and over	.50
Hoist, three (3) or more drums in use	.50
Scoop, Tandem	.50
Shovel, power - 7 cu. yds. or more	.50
Tractor, tandem crawler	.50
Tunnel, man assigned to work in tunnel or tunnel shaft	.50
Wrecking, when machine is working on second floor or higher	.50

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IRON0010-012 04/01/2018

Rates	Fringes
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## Ironworkers:

ANDREW, BARTON, BENTON,  
CAMDEN, CEDAR, CHARITON,  
CHRISTIAN, COOPER, DADE,

ADAMS, BATES, CLARK, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, HOWARD, LACLEDE, LINN, LIVINGSTON, MERCER, MONITEAU, MORGAN, NODAWAY, PETTIS, POLK, PUTNAM, RANDLOPH, ST. CLAIR, SULLIVAN, TANEY, VERNON, WEBSTER, WRIGHT and WORTH Counties and portions of ADAIR, BOONE, MACON, MILLER and RANDOLPH Counties.....\$ 30.30                      29.44 ATCHISON, BATES, BUCHANAN, CALDWELL, CARROLL, CASS, CLAY, CLINTON, HENRY, JACKSON, JOHNSON, LAFAYETTE, PETTIS, PLATTE, SALINE, AND RAY COUNTIES...\$ 33.30                      29.44		
-----		
IRON0321-002 09/01/2018		
DOUGLAS, HOWELL and OZARK COUNTIES		
	Rates	Fringes
Ironworker.....	\$ 19.95	18.36
-----		
IRON0396-004 08/01/2018		
ST. LOUIS (City and County), ST. CHARLES, JEFFERSON, IRON, FRANKLIN, LINCOLN, WARREN, WASHINGTON, ST. FRANCOIS, STE. GENEVIEVE, and REYNOLDS Counties; and portions of MADISON, PERRY, BOLLINGER, WAYNE, and CARTER Counties		
	Rates	Fringes
Ironworker.....	\$ 33.96	26.61
-----		
IRON0396-009 08/01/2018		
AUDRAIN, CALLAWAY, COLE, CRAWFORD, DENT, GASCONADE, MARIES, MONTGOMERY, OSAGE, PHELPS, PIKE, PULASKI, TEXAS and WRIGHT Counties; and portions of BOONE, CAMDEN, DOUGLAS, HOWELL, LACLEDE, MILLER, MONROE, OREGON, SHANNON and RALLS Counties		
	Rates	Fringes
Ironworker.....	\$ 29.49	26.61
-----		
IRON0577-005 08/01/2018		
ADAIR, CLARK, KNOX, LEWIS, MACON, MARION, MONROE, RALLS, SCHUYLER, SCOTLAND, AND SHELBY COUNTIES		
	Rates	Fringes
Ironworker.....	\$ 26.25	23.10
-----		
IRON0584-004 06/01/2018		
BARRY, JASPER, LAWRENCE, MCDONALD, NEWTON AND STONE Counties		
	Rates	Fringes
Ironworkers:.....	\$ 25.00	15.25
-----		
IRON0782-003 05/01/2018		
CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD Counties; and portions of BOLLINGER, BUTLER, CARTER, DUNKLIN,		

	Rates	Fringes
Ironworkers:		
Locks, Dams, Bridges and other major work on the Mississippi and Ohio River only.....	\$ 31.63	24.27
All Other Work.....	\$ 26.53	22.39

LAB00042-003 03/06/2019

ST. LOUIS (City and County)

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

LAB00042-005 03/06/2019

ST. LOUIS (City and County)

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

LAB00424-002 05/01/2016

	Rates	Fringes
LABORER		
ADAIR, AUDRAIN, BOONE, CALLAWAY, CHARITON, CLARK, COLE, COOPER, HOWARD, IRON, KNOX, LEWIS, LINN, MACON, MADISON, MARION, MILLER, MONITEAU, MONROE, PERRY, PIKE, PUTNAM, RALLS, RANDOLPH, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SHELBY AND SULLIVAN COUNTIES		
GROUP 1.....	\$ 27.96	13.17
GROUP 2.....	\$ 27.96	13.17
BOLLINGER, BUTLER, CAPE GIRARDEAU, CARTER, CRAWFORD, DENT, DUNKLIN, GASCONADE, HOWELL, MARIES, MISSISSIPPI, NEW MADRID, OREGON, OSAGE, PEMISCOT, PHELPS, PULASKI, RIPLEY, SCOTT, SHANNON, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES		
GROUP 1.....	\$ 27.96	13.17
GROUP 2.....	\$ 27.96	13.17
FRANKLIN COUNTY		
GROUP 1.....	\$ 29.71	13.17
GROUP 2.....	\$ 30.31	13.17
JEFFERSON COUNTY		
GROUP 1.....	\$ 29.76	13.17
GROUP 2.....	\$ 30.36	13.17
LINCOLN, MONTGOMERY AND WARREN COUNTIES		
GROUP 1.....	\$ 31.18	13.32
GROUP 2.....	\$ 31.18	13.32
ST.CHARLES COUNTY		
GROUP 1.....	\$ 3.18	13.32



## LABORERS CLASSIFICATIONS

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

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

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LAB08579-085 05/01/2019

	Rates	Fringes
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

## 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 buggy man; material batch hopper man; material mixer man (except on manholes); coffer dams; riprap pavers - rock, block or brick; signal man; scaffolds over ten feet not self-supported from ground up; skipman on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoline, oil drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator, all work in connection with hydraulic or general dredging operations; puddlers (paving only); straw blower nozzle man; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material or materials (where special protection is required); rubbing concrete; topper of standing trees; batter board man on pipe and ditch work; feeder man on wood pulverizers; board and willow mat weavers and cable tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 feet where compressed air is not used; abutment and pier hole men working six (6) feet or more below ground; men working in coffer dams for bridge piers and footings in the river; ditchliners; pressure groutmen; caulker; chain or concrete saw; cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground; mortarmen on brick or block manholes; toxic and hazardous waste work.

GROUP 2: Skilled Laborers - Head pipe layer on sewer work; laser beam man; Jackson or any other similar tamp; cutting torch man; form setters; liners and stringline men on concrete paving, curb, gutters; hot mastic kettleman; hot tar applicator; sandblasting and gunite nozzle men; 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.

LAB08663-002 04/01/2019

## CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 30.73	15.98
GROUP 2.....	\$ 31.94	15.98

## 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

GROUP 1: Skilled Laborer - 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, ditchliners, pressure groutmen, caulker and chain or  
concrete saw, cliffscalers working from scaffolds, bosuns'  
chairs or platforms on dams or power plants over (10) feet  
above ground, mortarmen on brick or block manholes, signal  
man.

GROUP 2: Skilled Laborer - spreader or screed man on  
asphalt machine, asphalt raker, grade checker, vibrator  
man, concrete saw over 5 hp., laser beam man, barco tamper,  
jackson or any other similar tamp, wagon driller, churn  
drills, air track drills and other similar drills, cutting  
torch man, form setters, liners and stringline men on  
concrete paving, curb, gutters and etc., hot mastic  
kettleman, hot tar applicator, hand blade operators, 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.

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PAIN0002-002 09/01/2007

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

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

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PAIN0002-006 04/01/2018

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

	Rates	Fringes
Painters:		
Bridges, Dams, Locks or Powerhouses.....	\$ 25.93	12.79
Brush and Roll; Taping, Paperhanging.....	\$ 23.93	12.79
Epoxy or Any Two Part Coating; Sandblasting; Stage or other Aerial Work - Platforms over 50 feet high; Lead Abatement.....	\$ 24.93	12.79
Spray; Structural Steel		

Com. Tool Fringe.....	\$ 24.93	12.79
Tapers using Ames or		
Comparable Tools.....	\$ 24.68	12.79
-----		
PAIN0003-004 04/01/2017		
CASS, CLAY, CLINTON, JACKSON, JOHNSON, LAFAYETTE, PLATTE & RAY		
COUNTIES		

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement;		
Sandblast; Storage Bin &		
Tanks.....	\$ 31.96	16.96
Brush & Roller.....	\$ 29.34	16.96
Drywall.....	\$ 30.34	16.96
Paper Hanger.....	\$ 29.84	16.96
Stageman; Beltman;		
Steelman; Elevator Shaft;		
Bazooka, Boxes and Power		
Sander; Sprayman; Dipping...	\$ 30.96	16.96
Steeplejack.....	\$ 35.53	16.96
-----		
PAIN0003-011 04/01/2011		

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

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement;		
Sandblast; Storage Bin &		
Tanks.....	\$ 24.06	14.04
Brush & Roller.....	\$ 22.67	14.04
Drywall.....	\$ 22.84	14.04
Paper Hanger.....	\$ 23.07	14.04
Stageman; Beltman;		
Steelman; Elevator Shaft;		
Bazooka, Boxes and Power		
Sander; Sprayman; Dipping...	\$ 23.56	14.04
Steeplejack.....	\$ 26.82	14.04
-----		
PAIN0203-001 04/01/2012		

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

	Rates	Fringes
Painters:		
Finisher.....	\$ 20.18	11.33
Painter.....	\$ 19.75	11.76
Sandblaster, High Man,		
Spray Man, Vinyl Hanger,		
Tool Operator.....	\$ 21.18	11.33
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PAIN1265-003 07/01/2013		

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

	Rates	Fringes
Painters:		
Brush and Roller.....	\$ 25.64	13.27
Floor Work.....	\$ 26.14	13.27

# Old State Route 21 @ Four Ridge

Jefferson County, MO

Work.....	\$ 27.89	13.27
Spray.....	\$ 27.14	13.27
Structural Steel, Sandblasting and All Tank Work.....	\$ 26.89	13.27
Taping, Paperhanging.....	\$ 26.64	13.27

PAIN1292-002 09/01/2016

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

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

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

PAIN1292-003 09/01/2017

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

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

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

PAIN2012-001 04/01/2017

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

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 30.46	16.96
Sandblaster.....	\$ 31.96	16.96
Steeplejack.....	\$ 35.53	16.96

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

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 24.30	11.61

PLAS0518-007 04/01/2019

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

	Rates	Fringes
Cement Masons:.....	\$ 32.32	17.89
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PLAS0518-011 04/01/2019		

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

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 32.00	20.13
-----		
PLAS0527-001 04/01/2018		

	Rates	Fringes
CEMENT MASON		
FRANKLIN, LINCOLN AND		
WARREN COUNTIES.....	\$ 30.74	18.07
JEFFERSON, ST. CHARLES		
COUNTIES AND ST. LOUIS		
(City and County).....	\$ 32.66	18.62
-----		
PLAS0527-004 06/01/2017		

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

	Rates	Fringes
CEMENT MASON.....	\$ 28.10	18.07
-----		
PLAS0908-001 05/01/2017		

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

	Rates	Fringes
CEMENT MASON.....	\$ 27.60	15.73
-----		
PLAS0908-005 05/01/2017		

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

	Rates	Fringes
CEMENT MASON.....	\$ 27.60	15.73
-----		
PLUM0008-003 06/01/2018		

CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES

	Rates	Fringes
Plumbers.....	\$ 45.34	21.39
-----		
PLUM0008-017 06/01/2018		

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

	Rates	Fringes
Plumbers.....	\$ 45.34	21.39
-----		
PLUM0045-003 09/01/2018		
ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, HARRISON, HOLT, NODAWAY AND WORTH COUNTIES		

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 36.40	23.00
-----		
PLUM0178-003 11/01/2018		
BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND WRIGHT COUNTIES		

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 30.90	15.35
-----		
PLUM0178-006 11/01/2018		
BARTON, JASPER, MCDONALD AND NEWTON COUNTIES		

	Rates	Fringes
Plumbers and Pipefitters		
Projects \$750,000 & under...	\$ 27.93	15.35
Projects over \$750,000.....	\$ 30.90	15.35
-----		
PLUM0533-004 06/01/2019		
BATES, BENTON, CARROLL, CASS, CLAY, HENRY, HICKORY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY, SALINE, ST. CLAIR AND VERNON COUNTIES		

	Rates	Fringes
Pipefitters.....	\$ 46.68	22.55
-----		
PLUM0562-004 07/01/2018		
ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAMDEN, CAPE GIRARDEAU, CARTER, CHARITON, CLARK, COLE, COOPER, CRAWFORD, DENT, DUNKLIN, FRANKLIN, GASCONADE, GRUNDY, HOWARD, HOWELL, IRON, JEFFERSON, KNOX, LEWIS, LINCOLN, LINN, LIVINGSTON, MACON, MADISON, MARIES, MARION, MERCER, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY, NEW MADRID, OREGON, OSAGE, PEMISCOTT, PERRY, PHELPS, PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST. CHARLES, ST. FRANCOIS, STE. GENEVIEVE, ST. LOUIS, SCHUYLER, SCOTLAND, SCOTT, SHANNON, SHELBY, STODDARD, SULLIVAN, TEXAS, WARREN, WASHINGTON, AND WAYNE COUNTIES.		

	Rates	Fringes
Plumbers and Pipefitters		
Mechanical Contracts		
including all piping and		
temperature control work		
\$7.0 million & under.....	\$ 38.91	22.09
Mechanical Contracts		
including all piping and		
temperature control work		
over \$7.0 million.....	\$ 40.25	27.68
-----		
PLUM0562-016 07/01/2018		



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

	Rates	Fringes
Plumbers		
Mechanical Contracts		
including all piping and		
temperature control work		
\$7.0 million & under.....	\$ 38.91	22.09
Mechanical Contracts		
including all piping and		
temperature control work		
over \$7.0 million.....	\$ 40.25	27.68
-----		
TEAM0013-001 05/01/2017		

	Rates	Fringes
Truck drivers (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES)		
GROUP 1.....	\$ 28.54	12.00
GROUP 2.....	\$ 28.44	12.00
GROUP 3.....	\$ 28.69	12.00
GROUP 4.....	\$ 28.81	12.00
Truck drivers (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES)		
GROUP 1.....	\$ 29.14	12.85
GROUP 2.....	\$ 29.04	12.85
GROUP 3.....	\$ 29.29	12.85
GROUP 4.....	\$ 29.41	12.85
Truck drivers (FRANKLIN, JEFFERSON and ST. CHARLES COUNTIES)		
GROUP 1.....	\$ 31.63	12.00
GROUP 2.....	\$ 31.74	12.00
GROUP 3.....	\$ 31.74	12.00
GROUP 4.....	\$ 31.85	12.00
Truck drivers (LINCOLN and WARREN COUNTIES)		
GROUP 1.....	\$ 30.28	12.00
GROUP 2.....	\$ 30.39	12.00
GROUP 3.....	\$ 31.43	12.00
GROUP 4.....	\$ 30.50	12.00

## 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

Truck drivers; Distributor drivers & 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

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TEAM0056-001 05/01/2017

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

GROUP 1.....	\$ 29.57	12.85
GROUP 2.....	\$ 29.73	12.85
GROUP 3.....	\$ 29.72	12.85
GROUP 4.....	\$ 29.84	12.85

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

GROUP 1.....	\$ 28.84	12.85
GROUP 2.....	\$ 29.00	12.85
GROUP 3.....	\$ 28.99	12.85
GROUP 4.....	\$ 29.11	12.85

Truck drivers; (BUCHANAN,  
JOHNSON AND LAFAYETTE  
COUNTIES)

GROUP 1.....	\$ 30.78	12.85
GROUP 2.....	\$ 30.89	12.85
GROUP 3.....	\$ 30.93	12.85
GROUP 4.....	\$ 31.00	12.85

#### 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.

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TEAM0245-001 03/26/2012

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

	Rates	Fringes
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Traffic Control Service		
Driver.....	\$ 20.45	0.00
PAID HOLIDAYS: New Year's Day, Decoration Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day, employee's birthday and 2 personal days.		
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* TEAM0541-001 04/01/2019		
CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES		
	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 33.01	15.75
GROUP 2.....	\$ 32.44	15.75
GROUP 3.....	\$ 31.92	15.75
TRUCK DRIVERS CLASSIFICATIONS		
GROUP 1: Mechanics and Welders, Field; A-Frame Low Boy-Boom truck Driver.		
GROUP 2: Articulated Dump Truck; Insley Wagons: Dump Trucks, Excavating, 5 cu yds and over; Dumpsters; Half-Tracks: Speedace: Euclids & similar excavating equipment Material trucks, Tandem Two teams; Semi-Trailers; Winch trucks-Fork trucks; Distributor Drivers and Operators; Agitator and Transit Mix; Tank Wagon Drivers, Tandem or Semi; One Team; Station Wagons; Pickup Trucks; Material Trucks, Single Axle; Tank Wagon Drivers, Single Axle		
GROUP 3: Oilers and Greasers - Field		
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TEAM0682-002 05/01/2017		
ST LOUIS CITY AND COUNTY		
	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 33.30	13.79+a+b+c+d
GROUP 2.....	\$ 33.50	13.79+a+b+c+d
GROUP 3.....	\$ 33.60	13.79+a+b+c+d
a. PENSION: 5/1/2012 - \$182.20 per week.		
b. HAZMAT PREMIUM: If Hazmat certification on a job site is required by a state or federal agency or requested by project owner or by the employer, employees on that job site shall receive \$1.50 premium pay.		
TRUCK DRIVERS CLASSIFICATIONS		
GROUP 1 - Pick-up trucks; forklift, single axle; flatbed trucks; job site ambulance, and trucks or trailers of a water level capacity of 11.99 cu. yds. or less		
GROUP 2 - Trucks or trailers of a water level capacity of 12.0 cu yds. up to 22.0 cu yds. including euclids, speedace and similar equipment of same capacity and compressors		
GROUP 3 - Trucks or trailers of a water level capacity of 22.0 cu. yds & over including euclids, speedace & all floats, flatbed trailers, boom trucks, winch trucks, including small trailers, farm wagons tilt-top trailers, field offices, tool trailers, concrete pumps, concrete conveyors & gasoline tank trailers and truck mounted mobile concrete mixers		
FOOTNOTE FOR TRUCK DRIVERS:		

and holidays: Christmas Day, Independence Day, Labor Day, Memorial Day, Veterans Day, New Years Day, Thanksgiving Day

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

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

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

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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,

the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

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

#### Survey Rate Identifiers

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

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

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

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

#### WAGE DETERMINATION APPEALS PROCESS

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

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

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

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

Branch of Construction Wage Determinations  
Wage and Hour Division

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

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

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

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

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

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

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

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END OF GENERAL DECISION"

# Missouri

## Division of Labor Standards

### WAGE AND HOUR SECTION



MICHAEL L. PARSON, Governor

## Annual Wage Order No. 26

Section 050  
**JEFFERSON COUNTY**

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by

Taylor Burks, Director  
Division of Labor Standards

Filed With Secretary of State: March 8, 2019

Last Date Objections May Be Filed: April 8, 2019

Prepared by Missouri Department of Labor and Industrial Relations



Building Construction Rates for  
JEFFERSON County

## REPLACEMENT PAGE

## Section 050

OCCUPATIONAL TITLE	** Date of Increase	Basic Hourly Rates
Asbestos Worker		\$60.15
Boilermaker		\$21.70*
Bricklayer		\$56.61
Carpenter		\$54.69
Lather		
Linoleum Layer		
Millwright		
Pile Driver		
Cement Mason		\$51.42
Plasterer		
Communications Technician		\$53.56
Electrician (Inside Wireman)		\$63.89
Electrician Outside Lineman		\$63.50
Lineman Operator		
Lineman - Tree Trimmer		
Groundman		
Groundman - Tree Trimmer		
Elevator Constructor		\$21.70*
Glazier		\$21.70*
Ironworker		\$60.46
Laborer		\$44.62
General Laborer		
First Semi-Skilled		
Second Semi-Skilled		
Mason		\$50.10
Marble Mason		
Marble Finisher		
Terrazzo Worker		
Terrazzo Finisher		
Tile Setter		
Tile Finisher		
Operating Engineer		\$60.79
Group I		
Group II		
Group III		
Group III-A		
Group IV		
Group V		
<b>Painter</b>		<b>\$48.30</b>
Plumber		\$67.39
Pipe Fitter		
<b>Roofer</b>		<b>\$50.68</b>
<b>Sheet Metal Worker</b>		<b>\$66.30</b>
Sprinkler Fitter		\$68.95
Truck Driver		\$21.70*
Truck Control Service Driver		
Group I		
Group II		
Group III		
Group IV		

\*The Division of Labor Standards received less than 1,000 reportable hours as required by RSMo 290.257.4(b). Public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center, in accordance with RSMo 290.257.2.

Heavy Construction Rates for  
JEFFERSON County

## REPLACEMENT PAGE

## Section 050

OCCUPATIONAL TITLE	** Date of Increase	Basic Hourly Rates
Carpenter		\$57.18
Millwright		
Pile Driver		
Electrician (Outside Lineman)		\$63.50
Lineman Operator		
Lineman - Tree Trimmer		
Groundman		
Groundman - Tree Trimmer		
Laborer		\$48.06
General Laborer		
Skilled Laborer		
<b>Operating Engineer</b>		<b>\$61.65</b>
Group I		
Group II		
Group III		
Group IV		
Truck Driver		\$46.73
Truck Control Service Driver		
Group I		
Group II		
Group III		
Group IV		

Use Heavy Construction Rates on Highway and Heavy construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(3).

Use Building Construction Rates on Building construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(2).

If a worker is performing work on a heavy construction project within an occupational title that is not listed on the Heavy Construction Rate Sheet, use the rate for that occupational title as shown on the Building Construction Rate Sheet.

\*The Division of Labor Standards received less than 1,000 reportable hours as required by RSMo 290.257.4(b). Public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center, in accordance with RSMo 290.257.2.

# OVERTIME and HOLIDAYS

## OVERTIME

For all work performed on a Sunday or a holiday, not less than twice (2x) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work.

For all overtime work performed, not less than one and one-half (1½) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work or contractual obligation. For purposes of this subdivision, "**overtime work**" shall include work that exceeds ten hours in one day and work in excess of forty hours in one calendar week; and

A thirty-minute lunch period on each calendar day shall be allowed for each worker on a public works project, provided that such time shall not be considered as time worked.

## HOLIDAYS

January first;  
The last Monday in May;  
July fourth;  
The first Monday in September;  
November eleventh;  
The fourth Thursday in November; and  
December twenty-fifth;

If any holiday falls on a Sunday, the following Monday shall be considered a holiday.