



LEGAL NOTICE

INVITATION FOR FORMAL BID IFB 21-077

For

CMAQ 5414 (635)
GGL MO ROUTE 94 TRAFFIC SIGNAL MODIFICATIONS
For

ST. CHARLES COUNTY GOVERNMENT
ST. CHARLES, MISSOURI

St. Charles County is seeking bids for **Gateway Green Light (GGL) MO Route 94 Traffic Signal Modifications**. The County reserves the right to terminate the contract for reasons of violations by the successful proposer of any term or condition of the contract by giving thirty (30) days written notice stating the reasons therefore and giving the party ample time to remedy the deficiencies. The County 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.

BID INSTRUCTIONS

The outside of the envelope containing one [1] signed original and one [1] digitized copy of the bid must be received in a sealed envelope, and designated in the lower left corner of the envelope with:

Sealed bid for:	IFB 21-077 Gateway Green Light (GGL) MO Route 94 Traffic Signal Modifications
BIDDER'S Name:	BIDDER'S Name
BIDDER'S address:	BIDDER'S address
Date and Time of bid opening:	September 8, 2021 at 2:00 PM

An authorized representative of the company/person submitting the statement of qualification must sign it in blue ink.

Bid must be submitted to the St. Charles County Finance Department, 201 North Second Street, Room 541, St. Charles, MO 63301 prior to **09/08/2021 at 2:00 PM**. The bids will thereafter be publicly opened and read aloud in Room 116. **Due to the Coronavirus, all St Charles County bids will be received and opened on the first floor of the St Charles County Administrative Building, 201 North Second Street, Room 116, St. Charles, Missouri 63301. Sealed Bids for IFB 21-077 Gateway Green Light (GGL) MO Route 94 Traffic Signal Modifications will be received until 2:00 PM (prevailing Central Time) on Wednesday, September 8, 2021. The bid will be opened publicly at 2:00 PM in Room 116. It is highly recommended that you mail or have your bid delivered via UPS, FedEx, courier, etc., with plenty of time to arrive prior to the day of the bid opening. If you are delivering your bid the day of the opening and intend to stay. If your bid is dropped off prior to the opening there will be someone in the lobby to receive it.**

St. Charles County reserves the right to accept and/or reject any and all proposals.

Bid results may be obtained by going to our St Charles County Government website @ <http://www.sccmo.org/Bids.aspx> click on "show Closed/Awarded/Cancelled bids", select bid and click on "related documents". No phone calls please. The time it takes for final bid results to be made public depends on the complexity of the project and the cost of the project.

INQUIRIES

Any questions or clarifications concerning this Request for Bid must be submitted in writing to:

Kurt Mandernach, Purchasing Manager
St. Charles County Government - Finance Department
201 North Second Street, Suite 541
St. Charles, Missouri 63301
kmandernach@sccmo.org

For questions or inquiries concerning the specifications please contact:

Jake Becher
St. Charles County Government – Roads & Traffic
201 N. Second St, Suite 560
St. Charles, MO 63301
(636) 949-7900 ext. 7230
Fax: (636) 949-7900 ext. 8950
JBecher@sccmo.org

- ☐ The bid number and title shall be referenced on all correspondence.
- ☐ All questions must be received no later than **5:00 PM** on **08/25/2021**.
- ☐ Any question received after this deadline may not be answered.

Responses to questions/clarifications will be placed on the County's website <http://www.sccmo.org/Bids.aspx>. Check this website frequently for updates and any addendum that are issued.

Prohibited Communication

Contact with any representative, other than through the procedure outlined in the section titled "Inquiries", concerning this request is prohibited PRIOR TO PROPOSAL DUE DATE. Representative shall include, but not be limited to, all elected and appointed officials, and employees of St. Charles County and their Agents within St. Charles County.

Any Offeror engaging in such prohibited communications prior to proposal due date may be disqualified at the sole discretion of St. Charles County.

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TERMS AND CONDITIONS

1. Sealed Bids will be received until 2:00 (Two o'clock) P.M., **September 8, 2021** by:
St. Charles County Finance Department 201 North Second Street, Suite 541 St.
Charles, Missouri 63301

Any bids received after the time and date specified above shall not be considered. The outside of the envelope containing one [1] signed original and one [1] digitized copy of the bid must be received in a sealed envelope, and designated in the lower left corner of the envelope with:

Sealed bid for:	IFB 21-077 Gateway Green Light (GGL) MO Route 94 Traffic Signal Modifications
BIDDER'S Name	BIDDER'S Name
BIDDER'S address	BIDDER'S address
Date and Time of bid opening:	September 8, 2021 at 2:00 PM

If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope, addressed as specified in the bid form.

All bids will be publicly opened and read aloud in 201 North Second Street **Room 116 at 2:00 P.M.**

2. A Bid 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 prior to the date and time for the opening of Bids.
3. No additions, deletions, corrections, or adjustments will be accepted after submissions are opened.
4. All requests for clarifications on these bidding documents must be received in writing no later than **5:00 PM** on **08/25/2021**.

5. Interpretations or Correction of Bidding Documents

It is the responsibility of each BIDDER before submitting a Bid to:

- a. BIDDERS shall promptly notify the COUNTY of any ambiguity, inconsistency or error, which they may discover upon examination of the Bidding Documents or of the site and local conditions.
- b. BIDDERS may request clarification or interpretation of the Bidding Documents by making a written request, which shall reach the COUNTY at least seven (7) days prior to the date for receipt of Bids.
- c. Any interpretation, correction or change of the Bidding Documents will be made by Addendum. Interpretations, corrections or changes of the Bidding Documents made in any other manner will not be binding, and BIDDERS shall not rely upon such interpretations, corrections and changes.
- d. If the COUNTY determines that clarification of the terms and conditions of the Bidding Documents is necessary, an Addendum will be made available to all

BIDDERS setting forth such clarification.

6. A pre-bid meeting will be held on Thursday, August 26, 2021 at 1:00 pm at 201 North Second Street, 5th Floor Training Room (542), St. Charles, Missouri 63301.
7. Required Submittal Forms By Bidder
 - a. These Contract Documents include a complete set of bidding and contract forms which are for the convenience of BIDDERS and are not to be detached from the contract documents, filled out, or executed. Separate copies of bidding forms are furnished for that purpose. All bids must be submitted on the forms provided. The following documents are to be completed by CONTRACTOR and turned in as their Bid.
 1. Bid Form
 2. List of Resources and References
 3. Audit Clause for Contracts
 4. 5% Bid Security
 - b. Within three (3) days of the Bid Opening, the two (2) lowest BIDDERS shall each furnish:
 1. List of Proposed Subcontractors and Suppliers.
 2. Disadvantaged Business Enterprise Contract Provisions DBE Forms 1 of 3 through DBE Forms 3 of 3.
8. The COUNTY intends to issue the Notice to Proceed on or about October 4, 2021.
9. The electronic version of this Bid and the plans and specifications are available by download from the St Charles County website at www.sccmo.org. The document was entered into WORD for Microsoft Windows. The Purchasing Office does not guarantee the completeness and accuracy of any information provided on the electronic version. Therefore, respondents are cautioned that the hard copy of this Bid on file in the Purchasing Office governs in the event of a discrepancy between the information contained in or on the electronic version and that which is on the hard copy.
10. The County of St. Charles 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.
11. Each bid must be accompanied by a cashier's check or certified check, or a Bid Bond executed by the BIDDER and an approved surety company and payable to the COUNTY, in an amount not less than five percent (5%) of the sum total of the base bid.

12. A Performance Bond and Payment and Materials Bond are required.
13. An authorized officer of the company submitting the response must sign all copies, in blue ink.
14. Bidders must submit two [2] signed copy of their bid, one is to be an original and so marked and one [1] digitized copy.
15. St. Charles County reserves the right to accept and/or reject any and all proposals.
16. This project will be awarded to the lowest, responsive, responsible bidder.
17. This project is exempt from all Missouri sales and use tax per Missouri State regulations. Inasmuch as all Missouri sales tax will be exempt, CONTRACTORS shall not include any sales tax in their proposal. Compliance with these tax savings procedures is compulsory and for the benefit of the COUNTY. A copy of the procedure to be followed to obtain this exemption will be furnished to the successful BIDDER. BIDDERS shall include in their proposals any other sales or use taxes which they are required by law to pay.
18. 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: <https://www.fhwa.dot.gov/construction/cqit/buyam.cfm>
19. Prices for services should not be included in submitted responses.
20. Bid Quantities
 - a. It is understood by the undersigned that the quantities given in the following itemized proposal are not guaranteed by the COUNTY 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.
 - b. BIDDER shall complete the schedule of unit prices included in the Bid Form. The total Bid will be determined as the sum of the products of the estimated quantity of each item and the unit price bid for the item.
 - c. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.
 - d. The adjustment unit prices provided for in the Bid Form shall apply only in the

event of a Change Order providing for such increase or decrease in the quantities. The Contract Price will be subject to adjustment according to final measured, used, or delivered quantities, and the adjustment unit prices in the Bid will apply to such final quantities.

21. 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.
22. Missouri Annual Wage Order 28 as amended May 13, 2021 shall be in effect for this project.
23. 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.
24. The DBE goal for this letting is a minimum **12% (twelve percent)** of the total contract amount.
25. All BIDDERS must meet the MoDOT requirements as a CONTRACTOR at least seven days prior to bid opening.
26. All BIDDERS must possess the necessary and appropriate business and/or professional licenses in their field.
27. St. Charles County will not award any proposal to an individual or business having any outstanding amounts due from a prior Contract or business relationship with the County or who owes any amount(s) for delinquent Federal, State or Local taxes, fees and licenses.
28. The successful BIDDER is specifically denied the right of using in any form or medium the names of St. Charles County or any other public agency of St. Charles County Government for public advertising unless express written permission is granted.
29. Insurance
Errors and Omissions (Professional Liability): With limits of not less than \$1.0 million per claim/\$2.0 million aggregate covering all services provided by the Contract. Coverage to be written on a claims-made basis.

Commercial General Liability (CGL): \$1,000,000/\$3,000,000 including Products/Completed Operations. CGL coverage shall cover all liability arising from premises, operations, independent contractor and personal injury and liability assumed under an insured contract.

Automobile Liability: covering liability arising out of the use of any owned, hired, leased or non-owned vehicle in an amount of no less than \$1,000,000 per occurrence.

Workers Compensation/Employer's Liability: Statutory WC limits as required by the Statutes of the State of Missouri, (or a qualified self-insurer) and Employers Liability in an amount of no less than \$1.0 million.

Excess Umbrella: liability with a limit of no less than \$1,000,000 in excess of the above policies.

- a. All insurance to be written through a company duly authorized to do business in the State of Missouri with an A.M. Best Rating of A-IX or higher.
- b. The Professional Liability, CGL, Automobile and Umbrella policies shall be endorsed to include the County as an additional insured and provide for 30 days advance written notice of any material change.
- c. A Waiver of Subrogation in favor of the County shall be endorsed on each of the policies.
- d. The required insurance provided by the "Firm" shall be primary insurance with respect to any other insurance or self-insurance programs maintained by the County.
- e. A Certificate of Insurance evidencing the above coverage(s) together with a copy of the required endorsements shall be provided to the County prior to the commencement of any work.

30. Nondiscrimination and DBE Goal

- a. The undersigned, as BIDDER, understands that in any project involving participation of County funds, the BIDDER awarded the Contract will be required to comply, and to cause his subcontractors, if any, to comply with all County and State statutes, regulations, and directives against discriminations against any person in connection with the Contract, on account of race, color, religion, creed, sex, age, ancestry, or national origin, and that such nondiscrimination extended to procurement of materials and lease of equipment for use in connection with the Contract.
- b. The undersigned, as BIDDER, understands that the BIDDER awarded the Contract will be required to comply with the Executive Order of the Governor of the State of Missouri dated September 10, 1973. This order stipulates that there shall be no discriminatory employment practices by the CONTRACTOR or his subcontractors, if any, based on race, color, religion, creed, national origin, sex, or age. The undersigned CONTRACTOR or his subcontractors, if any, shall give written notice of their commitments under this clause to any labor union with which they have bargaining or other agreements.
- c. DBE Goals for this letting are the utilization of DBE firms listed in the MoDOT DBE directory. Maximum DBE utilization is deemed to have been met when any subcontracting or supplies equal a minimum of **12%** of the total contract amount. If the BIDDER does not meet the established goal, award of contract can be made only if this BIDDER can document and demonstrate good faith effort to meet the goals. The good faith effort will be reviewed and approved by MoDOT. DBE's must be listed on the MoDOT approved listing at the time of the contract letting. All DBE utilization shall be in accordance with the rules and regulations as contained in 49 CFR Part 26.

- d. DBE Forms 1 of 3 through DBE Forms 3 of 3 must be received by 4 P.M. three (3) business days after bid opening from the lowest and 2nd lowest BIDDERS. Failure to submit the required DBE Forms within three days shall be grounds to disqualify the CONTRACTOR and allow the County to take the CONTRACTOR's bid bond as damages for failure of the CONTRACTOR to enter into contract.
31. Employment of Unauthorized Aliens Prohibited (*Missouri Revised Statutes* Section 285.530)
- a. As a condition for the award of any contract or grant in excess of five thousand dollars by St. Charles County to a business entity (Firm), the business entity shall, by sworn affidavit and provision of documentation**, affirm its enrollment and participation in a federal work authorization program (**E-Verify**) with respect to the employees working in connection with the contracted services. Every such business entity shall sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services. [RSMO 285.530 (2)]
- b. An employer may enroll and participate in a federal work authorization program (**E-Verify**) and shall verify the employment eligibility of every employee in the employer's hire whose employment commences after the employer enrolls in a federal work authorization program. The employer shall retain a copy of the dated verification report received from the federal government. Any business entity that participates in such program shall have an affirmative defense that such business entity has not violated subsection 1 of this section. [RSMO 285.530 (4)]
- c. Any entity contracting with St. Charles County shall only be required to provide the referenced affidavit on an annual basis. A copy of the affidavit is included in this Qualification request. Firms may choose to send the required documentation using one of the following options:
- ☐ Send the notarized affidavit and E-Verify MOU signature page to: St. Charles County, Attn: Purchasing Manager, 201 N Second Street, Room 541, St. Charles, MO 63301 prior to responding to any solicitations; **OR**
 - ☐ Send the notarized affidavit and E-Verify MOU signature page along with a Qualification solicitation response.

These documents will be kept on file. The notarized affidavit and E-Verify MOU signature page will remain current for **one year** from the date of the notarized affidavit.

**** PLEASE NOTE: ****

Acceptable enrollment and participation documentation consists of a valid copy of the signature page of the E-Verify Memorandum of Understanding, completed and signed by the Firm, and the Department of Homeland Security - Verification Division

The online address to enroll in the E-verify program is:
<https://e-verify.uscis.gov/enroll/StartPage.aspx?JS=YES>

32. Veteran Friendly Employment Policy

Indicate whether you have developed a veteran friendly employment policy and, if so, attach a copy of such policy to your response as a point of information.

_____ "YES" our company has a veteran friendly employment policy. Please include a copy of your veteran friendly employment policy with your submission.

_____ "NO" our company does not have a veteran friendly employment policy.

33. Open Records

Any and all information contained in or submitted with the bid becomes a public record subject to the Missouri Sunshine Law when the bids are opened. If the bidder believes that any information contained in or submitted with the bid is protected from disclosure by the Missouri Sunshine Law, the bidder must clearly identify what information the bidder believes is so protected and must also clearly identify the legal basis therefor.

NOTICE TO CONTRACTORS

Sealed bids, addressed to St. Charles County, Missouri, 201 N. Second Street, St. Charles, Missouri 63301 for the proposed work will be received by St. Charles County until 2:00 p.m. (prevailing local time) on **September 8, 2021** at the office of St. Charles County, 201 N. Second Street, St. Charles, Missouri 63301. **Due to the Coronavirus, all St Charles County bids will be received and opened on the first floor of the St Charles County Administrative Building, 201 North Second Street, Room 116, St. Charles, Missouri 63301. Sealed Bids for IFB 21-077 Gateway Green Light (GGL) MO Route 94 Traffic Signal Modifications will be received until 2:00 P.M. (prevailing Central Time) on Wednesday, September 8, 2021. The bid will be opened publicly at 2:00 PM in Room 116. It is highly recommended that you mail or have your bid delivered via UPS, FedEx, courier, etc., with plenty of time to arrive prior to the day of the bid opening. If your bid is dropped off prior to the opening there will be someone in the lobby to receive it.**

Bids should be delivered to:
St. Charles County Finance Department
201 N. Second Street, Suite 541
St. Charles, Missouri 63301.

1. Proposed Work

The proposed work, hereinafter called the work, includes: Intersection Improvements and Traffic Signal Modifications at the intersections of: *MO 94 & PRALLE LANE; MO 94 & FRIEDENS ROAD/ZUMBEHL ROAD; MO 94 & SHERMAN DRIVE; MO 94 & I-70 RAMPS.*

2. Definitions

The following terms used at any place in the contract documents shall be construed thus:

BIDDER: The individual or entity who submits a bid directly to the OWNER.

CONSULTING ENGINEER: The design firm of George L. Crawford & Associates d/b/a CBB and their duly authorized agents, such agents acting within the scope of the particular duties entrusted to them in each case.

CONTRACTOR: The individual, partnership, or corporation, which shall enter into the Agreement to perform the work, outlined in the contract documents with the OWNER.

DAY(S): Calendar days, unless otherwise defined.

DBE: Disadvantaged Business Enterprise

ENGINEER/ COUNTY ENGINEER: The County Roads and Traffic Manager, County of St. Charles, Missouri or her duly authorized representative.

MHTC: Missouri Highway Transportation Commission

MoDOT / STATE: Missouri Department of Transportation.

OWNER/COUNTY / LOCAL AGENCY: St. Charles County, Missouri

SUB-BIDDER or SUBCONTRACTOR: A person or entity that submits a Bid to a BIDDER for materials or labor for a portion of the Work.

SUCCESSFUL BIDDER: The lowest qualified, responsible, and responsive BIDDER to whom OWNER (on the basis of OWNER'S evaluation as herein provided) makes an award.

SURETY: Surety shall be a corporate surety company or companies of recognized standing licensed to do business in the State of Missouri and acceptable to the County of St. Charles. A rating in the "A" category from Best's or from Standard and Poor's shall constitute recognized standing. The Surety shall attach a certified and current copy of its authority to do insurance business from the State of Missouri.

3. Trainees

No trainee hours will be required under this contract.

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," and "Missouri Standard Plans for Highway Construction", 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.

The following documents are available on the Missouri Department of Transportation web page at 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 Missouri Std. Plans For Highway Construction (Latest Edition)

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, "St. Charles County, Missouri", and the term "Engineer" is a reference to the County Roads and Traffic Manager.

5. Specifications, Contract, And Bond

The specifications, contract, and bond governing the construction of the work contemplated are those known and designated as the "Missouri Standard Specifications for Highway Construction, current edition", together with the "General Requirements, and Job Special Provisions", attached to this proposal.

6. Plans

The plans herein referred to are drawings entitled: **"IFB 21-077 Gateway Green Light (GGL) MO Route 94 Traffic Signal Modifications,"** bid set dated June 21, 2021.

7. Execution of Contract

The BIDDER to whom the Contract has been awarded shall sign four (4) copies of the County-Contractors Agreement, and return them along with properly executed Performance, Payment and Materials bonds, and all certificates of insurance as set forth in the "General Requirements" within ten (10) days after receipt of the Notice of Intent to Award from the COUNTY. Failure to return the required items above to the COUNTY within ten (10) days after receipt of the Notice of Intent to Award shall be cause for the annulment of the Contract award and the forfeiture of the bid security to the COUNTY.

8. Condition of Work

Each BIDDER must inform himself fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful BIDDER of his obligation to furnish all material and labor necessary to carry out the provisions of his Contract. Insofar as possible the CONTRACTOR in carrying out his work must employ such methods or means as will not cause any interruption of or interference with the work of any other CONTRACTOR.

9. Examination of Bidding Documents and Site

Before submitting a bid, BIDDER shall:

- a. Examine and carefully study the Bidding Documents, including any Addenda and other related data identified in the Bidding Documents;
- b. Visit the Site and become familiar with and satisfy BIDDER as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
- c. Become familiar with and satisfy BIDDER as to all Federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;
- d. Carefully study all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the site;
- e. Obtain and carefully study (or assume responsibility for doing so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by BIDDER, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents and safety precautions and programs incident thereto; Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work

at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;

- f. Become aware of the general nature of the Work to be performed by OWNER or others at the Site that relates to the Work indicated in the Bidding Documents;
- g. Correlate the information known to BIDDER, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
- h. Promptly give OWNER written notice of all conflicts, errors, ambiguities, or discrepancies that BIDDER discovers in the Bidding Documents and confirm that the written resolution thereof by OWNER or CONSULTING ENGINEER is acceptable to BIDDER; and
- i. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.

10. Substitute and "Or-Equal" Items

- a. The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Application for review of substitute or "or-equal" materials or equipment will not be considered by ENGINEER until after the Effective Date of the County-Contractors Agreement.
- b. The materials, products, systems and equipment described in the Bidding Documents establish a minimum standard of required function, dimension, appearance and quality, which must be met by any proposed substitution.
- c. No substitution of the materials, products, systems and equipment described in the Bidding Documents will be considered prior to receipt of Bids unless written request for approval has been received by the COUNTY at least seven (7) days prior to the date for receipt of Bids. Each such request shall include the name of the material, product, system or equipment for which substitution will be made and a complete description of the proposed substitute including drawings, costs, performance and test data and any other information necessary for an evaluation. A statement setting forth any changes in other materials, products, systems, equipment, or other Work that incorporation of the substitute would require shall be included in each such request. The COUNTY, at its sole discretion, may approve or disapprove the proposed substitute.
- d. If the COUNTY approves any proposed substitution prior to receipt of Bids, such approval will be set forth in an Addendum. BIDDERS shall not rely upon approvals made in any other manner.
- e. No substitutions will be considered after the Contract is awarded unless specifically provided in the Contract Documents.

11. Addenda

- a. No interpretation of the meaning of the plans, specifications, or other pre-bid documents will be made to any BIDDER orally. Every request for such interpretation should be in writing addressed to:

Jake Becher
201 N. Second St, Suite 560
St. Charles, MO 63301
(636) 949-7900 ext. 7230
JBecher@sccmo.org

and to be given consideration must be received at least seven (7) days prior to the date fixed for the opening of bids. All addenda shall be posted to the County website.

- b. Any and all such interpretations to the specifications which, if issued, will be faxed, delivered by courier, or mailed by certified mail with return receipt requested to all prospective BIDDERS (at the respective addresses furnished for such purposes), not later than four (4) days prior to the date fixed for the opening of bids. Failure of any BIDDER to receive any such addendum or interpretation shall not relieve such BIDDER from any obligation under his bid as submitted. All addenda so issued shall become part of the Contract documents.

12. Power of Attorney

Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

13. Laws and Regulations

The BIDDER'S attention is directed to the fact that all applicable federal and state laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the Contract throughout, and they will be deemed to be included in the Contract the same as though herein written in full.

14. Notice To Bidders of Third-Party Concurrence In Award (DSP-98-19a)

- a. Bidders are advised that COUNTY is party to a contract with Federal Highway Administration (FHWA) and Missouri Department of Transportation (MoDOT) which provides that FHWA/MoDOT shall provide substantial funds for construction of Job No. CMAQ 5414(635) by reason of which FHWA/MoDOT has the right to concur or not concur in COUNTY's award of a contract for this job.
- b. Bidders acknowledge that their bids are made with knowledge of and subject to the condition of FHWA/MoDOT concurrence in and prior authorization of any award of a contract for this job by COUNTY.
- c. Bidders agree that they shall be stopped, both in law and equity, to assert any right to award of a contract for this job by COUNTY should FHWA/MoDOT not concur in that award for any reason.

15. Award of Contract

- a. Since this project has federal funds the OWNER must obtain MoDOT/FHWA concurrence/approval prior to awarding or rejecting any bid.
- b. OWNER reserves the right to reject any or all Bids, including without limitation the rights to reject any or all nonconforming, non-responsive, unbalanced, or conditional Bids. OWNER further reserves the right to reject the Bid of any BIDDER whom it finds, after reasonable inquiry and evaluation, to be non-responsive. OWNER also reserves the right to waive all informalities not involving price, time, or changes in the Work.
- c. More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any BIDDER has an interest in more than one Bid for the Work may be cause for disqualification of that BIDDER and the rejection of all Bids in which that BIDDER has an interest.
- d. In evaluating Bids, OWNER will consider whether or not the Bids comply with the prescribed requirements, and with such alternatives, unit prices, and other data as may be requested in the Bid Form or prior to the Notice of Award.
- e. OWNER reserves the right to cancel the contract without penalty if MoDOT and/or FHWA do not concur with the award.
- f. St. Charles County will not award any bid to an individual or business having any outstanding amounts due from a prior Contract or business relationship with the County or who owes any amount(s) for delinquent taxes, fees or licenses.

16. Available Land

The lands upon which the Work is to be performed, rights-of-way and easements for access thereto, and other lands designated for use by CONTRACTOR in performing the Work are identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities or storage of materials and equipment are to be provided by CONTRACTOR. Easements for permanent structures or permanent changes in existing structures are to be obtained and paid for by OWNER unless otherwise specified in.

17. 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:

Calendar Days: 180

18. 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 \$700.00

19. Bid Guaranty

The bidder shall submit a Bid Guaranty meeting the requirements of Section 102 of the Missouri Standard Specifications for Highway Construction. 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

20. Prime Contractor Requirements

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.

21. Subcontractor Disclosure

Requirements contained within Sec 102.7.8 of the Missouri Standard Specification for Highway Construction shall be waived for this contract.

22. 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.

23. 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

24. 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.

25. Addendum Acknowledgement

The undersigned states that the 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.

26. Preparation of Bid Form

- a. Each bid must be submitted on the prescribed Bid Form. All blank spaces for bid prices must be filled-in with indelible ink or typewritten. The "Total" must be completed in both words and figures on the Bid Form.
- b. Signature of BIDDER based on type of business shall be as follows:
 - A Bid by a Corporation shall be executed in the corporate name by the president or the vice-president or by another corporate officer, accompanied by evidence of authority to sign for the corporation. The corporate seal shall be imprinted with the signature of bidder.
 - A Bid by a Partnership shall be executed in the partnership name and signed by a partner, accompanied by evidence of authority to sign.
 - A Bid by a Limited Liability Company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm shall be shown below the signature.
 - A Bid by an Individual shall show the BIDDER's full name.
 - A Bid by a Joint Venture shall be executed by each joint venture in the manner indicated on the Bid Form.
- c. The names of all persons signing shall be legibly printed below their signatures.
 - A Bid by a person who affixes to its signature the word "president", "secretary", "agent", or other designation without disclosing its principal may be held to be the Bid of the individual signing. When requested by OWNER, evidence of the authority of the person signing shall be furnished.
- d. The Bid shall contain an acknowledgment of receipt of all Addenda, the numbers and dates of which shall be filled in on the Bid Form.
- e. No alterations in a Bid by erasures, interpolations, or otherwise, will be acceptable unless each such alteration is signed or initialed by BIDDER; if initialed, OWNER may require BIDDER to identify any alteration so initialed.

27. 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 venture (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

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.

Exception Sheet

If the item(s) and/or services proposed in the response to this Request for Qualifications is in any way different from that contained in this Request for Qualifications, the Firm is responsible to clearly identify all such differences in the space provided below. Otherwise, it will be assumed that the Firm's offer is in total compliance with all aspects of the proposal or Qualification.

Below are the exceptions or differences to the stated specifications (attach additional sheets as needed):

Date: _____

Signature: _____

Title: _____

Company: _____

THIS FORM MUST BE COMPLETED AND ENCLOSED WITH THE BID

Audit Clause for Contracts

Examination of Records

The Contractor's records must include, but not be limited to, accounting records (hard copy, as well as computer readable data), written policies and procedures, subcontractor files, indirect cost records, overhead allocation records, correspondence, instructions, drawings, receipts, vouchers, memoranda, and any other data relating to this contract shall be open to inspection and subject to audit and/or reproduction by the County Auditor, or a duly authorized representative from the County, at the County's expense. The contractor must preserve all such records for a period of three years, unless permission to destroy them is granted by the County, or for such longer period as may be required by law, after the final payment. Since the Contractor is not subject to the Missouri Sunshine Law (Chapter 610, RSMo), information regarding the Contractor's operations, obtained during audits, will be kept confidential.

The Contractor will require all subcontractors under this contract to comply with the provisions of this article by including the requirements listed above in written contracts with the subcontractors.

Vendor Information

Company Name: _____

Business Address: _____

Business Hours: _____

Phone: _____ Fax: _____

Email address: _____

Contact Person: _____

Authorized Signature: _____

(Indicates acceptance of all bid terms and conditions)

Date: _____

AFFIDAVIT OF WORK AUTHORIZATION

The bidder/contractor who meets the section 285.525, RSMo definition of a business entity must complete and return the following Affidavit of Work Authorization.

Comes now _____ (**Name of Business Entity Authorized Representative**) as _____ (**Position/Title**) first being duly sworn on my oath, affirm _____ (**Business Entity Name**) is enrolled and will continue to participate in the E-Verify federal work authorization program with respect to employees hired after enrollment in the program who are proposed to work in connection with the services related to contract(s) with the County for the duration of the contract(s), if awarded in accordance with subsection 2 of section 285.530, RSMo. I also affirm that _____ (**Business Entity Name**) does not and will not knowingly employ a person who is an unauthorized alien in connection with the contracted services provided to the contract(s) for the duration of the contract(s), if awarded.

In Affirmation thereof, the facts stated above are true and correct. (The undersigned understands that false statements made in this filing are subject to the penalties provided under section 575.040, RSMo.)

Authorized Representative's Signature

Printed Name

Title

Date

Email Address

Subscribed and sworn to before me this _____ day of _____, 20_____.

I am commissioned as a notary public within the County of _____, State of _____, and my commission expires on _____

Notary public signature

**BIDDER CHECKLIST
FINAL CHECKLIST BEFORE SUBMITTING BID**

- ☐ 1. 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's to Bid of Certain Contractors". Questionnaire and Contact information are provided on MoDOT's website.
- ☐ 2. For submittal of paper bids, the complete set of bidding documents includes all information through the DBE form (for DBE forms see #8). The Technical Specifications/Job Special Provisions are for the bidder's information only and is not to be returned with the bid.
- ☐ 3. If submitting the bid by mail, it is to be completed, executed, and submitted in a sealed envelope addressed to St. Charles County Highway Department.
- ☐ 4. Please read all items in the bidding document carefully. For paper bids, complete all items in ink or by typing in the information.
- ☐ 5. 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.
- ☐ 6. For paper bids submit the provided bid bond executed by bidder and surety or attach cashier's check to the bid bond form.
- ☐ 7. Submit the Subcontractor Disclosure Form within 3 business days of the Bid Opening.
- ☐ 8. Submit the DBE Identification Submittal within 3 business days of the Bid Opening.
- ☐ 9. For paper bids, staple addenda 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.



Below is a list of common mistakes made by bidders leading to non-responsive bids: Please refer to the Standard Specifications for the appropriate procedures for completing and submitting a bid.

- a) Not signing the bid
- b) Not incorporating the addendum into the bidding documents, including attaching the letter to the bid
- c) Using a different bid bond form than the one provided, or not providing a bid bond
- d) Using pencil to fill out the bid
- e) Using white out to make corrections to the itemized bid sheets
- f) Not initialing changes made

All project specific questions concerning the bid can be directed to:

Jake Becher

201 N. Second St, Suite 560

St. Charles, MO 63301

(636)949-7900 ext. 7230

JBecher@sccmo.org

Special Needs: If you have special needs addressed by the Americans with Disabilities Act, please notify St Charles County as noted below, at least five (5) working days prior to the bid opening.

Kurt Mandernach, Purchasing Manager

St. Charles County Government - Finance Department

201 North Second Street, Suite 541

St. Charles, Missouri 63301

Fax: (636)949-7589

purchasing@sccmo.org

BID FORM

ITEMIZED BID: 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.

BID FORM
Federal Project No. CMAQ 5414 (635)
Project Title: Gateway Green Light Phase MO Route 94 & Signal Improvements
MO Route 94 Traffic Signal Modification Improvements

BID PACKAGE #1 - MO Route 94 Traffic Signal Modification Improvements

Line	Item No.	Item Description	Unit	Quantity	Unit Price	Extension
Roadway Items						
100.00	202-20.10	REMOVAL OF IMPROVEMENTS	L SUM	1		
110.00	304-05.04	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SQ YD	442		
120.00	502-11.08	CONCRETE PAVEMENT (8 IN. NON-REINF)	SQ YD	416		
130.00	608-30.06	6 IN. CONCRETE MEDIAN STRIP	SQ YD	18		
140.00	609-20.11	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A	LF	233		
150.00	616-10.98A	CHANGABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED	EA	2		
160.00	616-99.01a*	TRAFFIC CONTROL	LS	1		
170.00	616-99.01b*	MAINTENANCE OF TRAFFIC CONTROL ITEMS	LS	1		
180.00	618-10.00	MOBILIZATION	LS	1		
190.00	627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1		
200.00	710-10.10	EPOXY COATED TIE BARS (DRILLED AND INSTALLED)	LBS	671.9		
					Roadway Subtotal:	
Signing Items						
210.00	903-10.10	CONCRETE FOOTINGS, EMBEDDED	CU YD	0.52		
220.00	903-12.20	PIPE POST	LB	447.22		
230.00	903-12.40	BREAKAWAY ASSEMBLY	EA	4		
240.00	903-50.04A	SH-FLAT SHEET	SQ FT	21		
250.00	903-99.02*	RELOCATE SIGNS	EA	2		
					Signing Items Subtotal:	
Striping Items						
260.00	620-00.09	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN, WHITE	LF	184		
270.00	620-61.06	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6 IN, WHITE	LF	401		
280.00	620-61.22	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 12 IN, WHITE	LF	146		
290.00	620-61.24	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN, WHITE	LF	179		
300.00	620-60.01b	4 IN. YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT	LF	721		
310.00	620-51.30	TYPE 2 PREFORMED MARKING TAPE (GROOVED), LEFT/RIGHT ARROW	EA	2		
320.00	620-51.40	TYPE 2 PREFORMED MARKING TAPE (GROOVED), YIELD TRIANGLES	EA	10		
					Striping Items Subtotal:	
Electrical Items						
330.00	902-02.13	SIGNAL HEAD, TYPE 3S	EA	2		
340.00	902-02.14	SIGNAL HEAD, TYPE 4S	EA	1		
350.00	902-05.13	SIGNAL HEAD, TYPE 3B	EA	4		
360.00	902-08.33	SH-FLAT SHEET - SIGNAL SIGN	SQ FT	9		
370.00	902-08.34	SIGNAL SIGN - MOUNTING HARDWARE	EA	1		
380.00	902-27.15	POST, SIGNAL 15 FT.	EA	1		
390.00	902-32.55	TYPE C POST, 55 FT ARM	EA	1		
400.00	902-49.75	VIDEO DETECTION SYSTEM	EA	4		
410.00	902-53.00	CONDUIT, 3" IN TRENCH W/TRACE WIRE	LF	17		
420.00	902-72.00	CONDUIT, 2" PUSHED W/TRACE WIRE	LF	675		
430.00	902-73.00	CONDUIT, 3" IN PUSHED W/TRACE WIRE	LF	279		
440.00	902-74.00	CONDUIT, 4" IN PUSHED W/TRACE WIRE	LF	10		
450.00	902-82.08	CABLE, 8 AWG 1 CONDUCTOR, POWER	LF	1050		
460.00	902-83.11	CABLE, 16 AWG 7 CONDUCTOR	LF	1830		
470.00	902-88.11	PULLBOX, CLASS 2	EA	3		
480.00	902-88.16	PULLBOX, CLASS 5	EA	1		
490.00	902-91.00	BASE, CONCRETE	CU YD	3.8		
500.00	902-99.01	RELOCATE EXIST. SIGNAL & NETWORK EQUIPMENT	L SUM	1		
510.00	902-99.01	DISPOSITION OF EXIST. SIGNAL & NETWORKS EQUIPMENT	L SUM	1		
520.00	902-99.01	ADVANCED DETECTION SYSTEM	L SUM	1		
530.00	902-99.01	WIRELESS IN PAVEMENT DETECTION	L SUM	1		
540.00	902-99.02	ATC TRAFFIC SIGNAL CONTROLLER	EA	4		
550.00	902-99.02	INTEGRATE NEW CONTROLLERS TO SPM SYSTEM	EA	4		
560.00	902-99.02	DRILL PULLBOX & ATG	EA	2		
570.00	910-37.00	CCTV CAMERA ASSEMBLY	EA	2		
580.00	910-86.10	POWER SUPPLY ASSEMBLY, TYPE 2, ITS	EA	1		
590.00	910-99.01	MODIFY HIGH MAST LIGHTING FOR CCTV	L SUM	1		
600.00	910-99.01	ITS ASSET MANAGEMENT TOOL	L SUM	1		
610.00	910-92.00	ITS TYPE 7 CABINET	EA	1		
620.00	910-99.03	FIBER OPTIC CABLE, 24 SM	LF	1425		
					Electrical Subtotal:	

Bid Package #1 Base Bid Total

* Authenticated by Engineer of record.

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS, that we _____

as principal and _____
as surety, are held and firmly bound unto the county of St Charles Missouri (acting by and through the St Charles County Roads and Traffic) in the penal sum of _____
Dollars (\$ _____) to be paid to the County to be credited to the county road fund, the principal and surety binding themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____

THE CONDITION OF THIS OBLIGATION is such that

WHEREAS the principal is submitting herewith a bid to St Charles County on _____

in St Charles County, for project (s)

for construction or improvement of county roadway as set out in said bid;

NOW THEREFORE, if the County shall accept the bid of the principal and if the principal shall properly execute and deliver to the County the contract, contract bond, and evidence of insurance coverage in compliance with the requirements of the bid, the specifications, and the provisions of section 227.100 RSMo, to the satisfaction of the County, then this obligation shall be void and of no effect, otherwise to remain in full force and effect.

In the event the said principal shall, in the judgment of the County, fail to comply with any requirement as set forth in the preceding paragraph, then St Charles County, acting by and through the Highway Department, shall immediately and forthwith be entitled to recover the full penal sum above set out, together with court costs, attorney's fees, and any other expense of recovery.

The principal and surety hereby certify that the document is the original or a verbatim copy of the bid bond form furnished by the County, in accordance with Sec 102.9 of the St Charles County Standard Specifications for Arterial Highway Construction.

Principal

SEAL

By _____
Signature

Surety

SEAL

By _____
Signature of Attorney in Fact

NOTE: This bond must be executed by the principal, and by a corporate surety authorized to conduct surety business in the state of Missouri.

Subcontractor Disclosure Form: The bidder shall submit with this bid any subcontracts that meet the requirements of Sec 102.

List below the name of each subcontractor that will be furnishing labor or labor and materials, the category of work that the subcontractor will be performing (e.g. asphalt, concrete, earthwork, bridges...) and the dollar value of the subcontract. Enter "NONE" if there are no subcontractors that need to be disclosed.

If the information is not available at the time of bid the bidder shall submit the "Subcontractor Disclosure Form" pages with the Contracting Authority on or before 4:00 p.m. of the third business day after the bid opening date, directly to St. Charles County, 201 N. Second Street, St. Charles, Missouri 63301. Telefax transmittal to the Contracting Authority will be permitted at fax no. 636-949-7307. The complete signed original documents do not need to be mailed to the Contracting Authority, but the bidder shall have it available if requested by the Contracting Authority.

(ATTACH ADDITIONAL SHEETS IF NEEDED.)

SUBCONTRACTOR NAME	DOLLAR VALUE OF SUBCONTRACT	CATEGORY OF WORK

Company	Date	By (Signature)	Title
---------	------	----------------	-------

By (Please Print name of person signing)

SUBCONTRACTOR CERTIFICATION REGARDING AFFIRMATIVE ACTION

Project: _____
Job No. _____
Route: _____
County: _____

Certification Regarding Affirmative Action and Equal Opportunity: The bidder (prospective prime contractor) or proposed subcontractor certifies:

1. Affirmative Action Program: That it has developed and has on file at each of its establishments affirmative action programs pursuant to 41 CFR Part 60-2.
2. Equal Opportunity Clause: That it has participated in a previous contract or subcontract subject to the equal opportunity clause set forth in 41 CFR Part 69-1.4 and executive order no. 11246.
3. Compliance Reports: That it has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance Programs and his designate, or the Equal Employment Opportunity Commission, all reports due under the applicable filing requirements contained in 41 CFR Part 60-1.

If the text of the certification above is incorrect, the bidder or subcontractor making the certification shall correct it below:

NOTE: This certification applies to and must be executed by each bidder (prospective prime contractor) or proposed subcontractor if its proposed contract or subcontract on this project will equal or exceed \$10,000 or that contractor or subcontractor has contracts or subcontracts on federally assisted projects in any 12-month period which have or can reasonably be expected to have, an aggregate total value exceeding \$10,000 41 CFR Part 60-1.5(a)(1). It is a duty and contract obligation of the prime contractor to ensure that each of its subcontractors, which meet this criterion, executes and submits to the commission this certification also.

Company: _____

By: _____

Date: _____

Title: _____

DBE SUBMITTAL FORMS

1. DBE Submittal Form: 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 « 12 »% 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).

[illegible]

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 St Charles County Transportation Department by 4:00 p.m. on the third working day after the bid opening. Fax or email transmittal is permitted. The fax number is 636-949-7307 and the email address for submittal is jbecher@sccmo.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 (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)
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: _____

DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM REQUIREMENTS FOR LOCAL PROGRAMS

1. **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. **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. **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. **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. **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. **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 Administrator. See Sec 7.
7. **DBE Program Information.** DBE Program information may be obtained from the MoDOT External Civil Rights Administrator, P.O. Box 270, Jefferson City, Missouri 65102-0270. Phone (573) 526-2978, Fax (573) 526-0558, E-Mail: dbe@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. **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
9. **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 USDOT 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 Unit 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 does 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. **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 cannot 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 that it is 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. **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 bidders.

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 guarantee 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 guarantee, on behalf of the bidder and the bidders bid surety or guarantee.
- 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 is 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 guarantee, as specified in Sec 10 of these provisions may become the property of the Local Agency subject to the Local Agency's demand.

12. **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 MoDOT 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 Administrator 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 purchase and substantially alter 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 Administrator 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. **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 firm's 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. **Verification of DBE Participation, Liquidated Damages.**

- 14.1 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.

- 14.2 **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.

15. **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.

16. **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.

CONTRACT AGREEMENT

**GATEWAY GREEN LIGHT
MO ROUTE 94 TRAFFIC SIGNAL MODIFICATIONS
CMAQ 5414 (635)**

COUNTY-CONTRACTORS AGREEMENT

This agreement, made by and between _____,
hereinafter called the CONTRACTOR, and the COUNTY of St. Charles, St. Charles,
Missouri, hereinafter called the COUNTY.

Now therefore, CONTRACTOR and COUNTY, in consideration of mutual covenants
herein set forth, agree as follows:

1. CONTRACT PRICE

COUNTY shall pay CONTRACTOR in current funds, for completion of the work designated
in Article 2 in accordance with the Contract Documents, an amount equal to the sum of the
established unit prices for each separately identified item of Unit Price Work multiplied by
the quantity of that item as indicated in the CONTRACTOR'S Bid, for the total amount of:

(in words)

(\$ _____)
(in figures)

2. SCOPE OF THE WORK

Intersection Improvements and Traffic Signal Modifications at the intersections of: MO 94 &
PRALLE LANE; MO 94 & FRIEDENS ROAD/ZUMBEHL ROAD; MO 94 & SHERMAN DRIVE;
MO 94 & I-70 RAMPS.

3. TIME OF COMPLETION

The CONTRACTOR shall commence clearing and grubbing operations upon receiving the
written Notice to Proceed from the COUNTY. Project completion shall be defined as 100%
completion of all items of the project including correction of deficiencies. The project shall be
fully complete under this contract within

180 Calendar Days

from the date of the written "Notice to Proceed". The rate of progress and the time of completion
are essential conditions of this Contract. Liquidated damages will be charged as specified
herein.

Should the CONTRACTOR, or in case of default, the surety fail to complete the work within
the calendar days specified, a deduction of the amount will be made for each and every
calendar day that the contract remains uncompleted in accordance with the requirements of
Standard Specifications Section 108.8.

In addition to the Liquidated Damages that shall be charged for failure to achieve project completion as specified, a Disincentive Clause has also been established. The Clause is further defined under Article 13 Liquidated Damages and in Section 2.3 "Contract Time for Completion of Work" of the Job Special Provisions. Failure to reach the date established in accordance with the Clause will result in disincentives being charged as specified herein.

4. PAY QUANTITIES AND UNIT PRICES

The COUNTY shall pay the CONTRACTOR for all work done on the basis of final computations for all work acceptably completed according to this Contract, at the unit price shown on the BID FORM for the quantity actually installed.

5. PROGRESS PAYMENT PROCEDURES

CONTRACTOR shall submit Applications for Payment monthly according to "General Requirements" section entitled "Progress Payments". Applications for Payment will be processed by the COUNTY. OWNER shall make progress payments on account of the Contract Price on the basis of CONTRACTOR'S Applications for Payment as approved by the ENGINEER. All progress payments will be on the basis of the progress of the work measured by the schedule of values, and in the case of Unit Price work based on the number of units completed. No progress payments will be made if the CONTRACTOR does not have a current progress schedule accepted by the COUNTY.

6. FINAL PAYMENT AND ACCEPTANCE

When all work provided for under this contract has been completed in conformance with the specifications and requirements of this contract, and accepted without regard to the provisions of guarantee as provided under the terms of this contract, a final cost estimate shall be prepared by the CONTRACTOR and approved by the COUNTY ENGINEER and filed with the COUNTY and with the CONTRACTOR within fifteen (15) days after the date of acceptance of the work as a statement of the amount due the CONTRACTOR. This estimate shall be based on appropriate unit quantities of material placed, including any charges for extra work ordered and properly chargeable under this contract, and deducting any sum properly deductible under this contract.

7. THE CONTRACT DOCUMENTS

Up to four (4) full sets of drawings and two (2) full sets of specifications will be provided to the successful CONTRACTOR by St. Charles County at no cost to the CONTRACTOR. Additional sets may be purchased by the CONTRACTOR at the printing cost plus ten percent (10%) for handling.

The Contract Documents which comprise the entire agreement between OWNER and CONTRACTOR concerning the work consist of the following:

- a. This County-Contractors Agreement.
- b. Exhibits to this County-Contractors Agreement.
- c. Performance and Payment Bonds.
- d. Notice of Award.

- e. Notice to Proceed.
- f. Specification Sections defined in the Table of Contents
- g. Drawings with each sheet bearing the following general title:
GGL MO Route 94 Traffic Signal Modifications: MO 94 & Pralle Lane; MO 94 & Friedens Road/Zumbehl Road; MO 94 & Sherman Drive; MO 94 & I-70 Ramps

Sheet titles are listed on the cover sheet.

- h. Addenda _____ through _____.
- i. Bid Form.
- j. All Written Amendments and other documents amending, modifying, or supplementing the Contract Documents, which may be delivered or issued after the Effective Date of the Agreement, and are not attached hereto.

There are no Contract Documents other than those listed in this article. The Contract Documents may be amended, modified, or supplemented only in one or more of the following ways: (i) a Written Amendment; (ii) a Change Order; or (iii) a Work Change Directive.

The requirements of the Contract Documents may be supplemented and minor variations and deviations in the work may be authorized, by a Field Order, or ENGINEER'S written interpretation or clarification.

8. **RATES OF PAY**

The CONTRACTOR hereby agrees that the prevailing rates of pay shall be paid to skilled and unskilled labor employed under the terms of this contract. The CONTRACTOR shall forfeit to the COUNTY ten (10) dollars for each workman employed, for each calendar day, or portion thereof, such workman is paid less than the said stipulation rates for any work done under said contract, by him or by any Subcontractor under him.

9. **PERFORMANCE OF THE WORK**

The CONTRACTOR, acting as an independent CONTRACTOR, shall furnish all supervision, labor, equipment, tools, materials, and supplies necessary to perform and shall perform all work in accordance with the Contract Documents and any applicable County ordinances, and state and federal laws. CONTRACTOR represents and warrants that he has special skills which qualify him to perform the work in accordance with the Contract and that he is free to perform all such work and is not a party to any other agreement, written or oral, the performance of which would prevent or interfere with the performance, in whole or in part, of the work. The prime CONTRACTOR must perform, with its own organization, contract work amounting to not less than 40% of the total original contract.

10. **SUPERVISION**

The CONTRACTOR shall supervise and direct the work, using the CONTRACTOR'S best skill and attention. The CONTRACTOR shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the work under the Contract, unless Contract Documents give other specific instructions concerning those matters.

11. SAFETY

The COUNTY and the CONSULTING ENGINEER may have personnel on the project site from time to time. All information and/or instructions shall be requested in writing by the CONTRACTOR and responded to in writing. No opinion or instructions will be given to the CONTRACTOR on safety.

The CONTRACTOR shall be solely responsible for the safety on and around the project site including shoring, ladders, drop cords, scaffolding, barricades, construction means, methods, techniques, sequences and procedures.

12. INDEMNITY

To the fullest extent permitted by law, the CONTRACTOR shall indemnify and hold harmless the COUNTY, CONSULTING ENGINEER, their consultants, and agents and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property other than the work itself, including loss of use resulting there from, but only to the extent caused in whole or in part by negligent acts or omissions of the CONTRACTOR, a Subcontractor, or anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity, which would otherwise exist as to a party or person described in this Section.

In claims against any person or entity indemnified under the above paragraph by an employee of the CONTRACTOR, a Subcontractor, or anyone directly or indirectly employed by them or anyone whose acts they may be liable, the indemnification obligation under this paragraph shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the CONTRACTOR or a Subcontractor under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

The obligations of the CONTRACTOR under this Section shall not extend to the liability of the ENGINEER, the ENGINEER'S consultants, and agents and employees of any of them arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, Change Orders, designs or specifications, or (2) the giving of or the failure to give directions, after requested in writing by the CONTRACTOR, or instructions by the ENGINEER, the ENGINEER'S consultants, and agents and employees of any of them provided such instructions or failure to give is the primary cause of the injury or damage.

13. LIQUIDATED DAMAGES

Whenever time is mentioned in this contract, time shall be and is of the essence of this contract. The COUNTY would suffer loss should the CONTRACTOR fail to have the work embraced in this contract fully completed on or before the time above specified: THEREFORE, in order to adjust satisfactorily the damage on account of such failure, and the parties hereto realizing that it might be impossible to compute accurately or estimate the

amount of such loss or damages which the COUNTY would sustain by reason of failure to complete fully said work within the time required by this contract, the CONTRACTOR hereby covenants and agrees to pay the COUNTY, as and for liquidated damages for each and every calendar day during which work remains incomplete and unfinished. Any sum which may be due the COUNTY for such damages shall be deducted and retained by the COUNTY from any balance which may be due the CONTRACTOR for progress payments or when said work shall have been finished and accepted. But such provisions shall not release the bond of the CONTRACTOR from liability according to its terms. In case of failure to complete, the COUNTY will be under no obligation to show or prove any actual or specific damage.

Therefore, the CONTRACTOR will be charged with liquidated damages specified in the amount of **\$700** per calendar day for each full day that all work for the construction of: **Traffic Signal Modifications at the intersections of: MO 94 & PRALLE LANE; MO 94 & FRIEDENS ROAD/ZUMBEHL ROAD; MO 94 & SHERMAN DRIVE; MO 94 & I-70 RAMPS.**

is not completed in excess of the limitation as specified elsewhere in this special contract. It shall be the responsibility of the ENGINEER to determine the quantity of excess days.

The said liquidated damages specified will be assessed regardless of whether it would otherwise be charged as liquidated damages under the Missouri Standard Specification for Highway Construction, as amended elsewhere in this contract.

14. **TERMINATION BY COUNTY OR CONTRACTOR**

- a. If the CONTRACTOR is adjudged to be bankrupt, or if the CONTRACTOR makes a general assignment for the benefit of creditors, or if a receiver is appointed on account of the CONTRACTOR's insolvency, or if the CONTRACTOR fails, except in cases for which extension of time is provided, to make progress in accordance with the Construction Schedule, or if the CONTRACTOR fails to make prompt payment to Subcontractors or prompt payment for material or labor, or disregards laws, ordinances or the instructions of the COUNTY, or otherwise breaches any provision of the Contract, the COUNTY may, without prejudice to any other right or remedy, terminate the Contract by giving written notice to the CONTRACTOR and his surety. Upon such notification the COUNTY shall be entitled to take possession of the work and of all materials and equipment thereon and finish the work by whatever method the COUNTY may deem expedient, which may include, but is not limited to, the COUNTY itself completing the work or the COUNTY hiring others to complete said work. In such case, the CONTRACTOR shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Contract Sum shall exceed the expenses of finishing the work, including additional engineering, architectural, managerial and administrative expenses, and liquidated damages, such excess shall be paid to the CONTRACTOR. If such expenses and damages exceed the unpaid balance of the Contract Sum, the CONTRACTOR shall pay the difference to the COUNTY promptly upon demand. In the event of termination pursuant to this paragraph, the CONTRACTOR, upon the request of the COUNTY, shall promptly:

1. Assign to the COUNTY in the manner and to the extent directed by the COUNTY all right, title and interest of the CONTRACTOR under any subcontracts, purchase orders and construction equipment leases to which the CONTRACTOR is a party and which relate to the work or to construction equipment required therefore, and
 2. Make available to the COUNTY to the extent directed by the COUNTY all construction equipment owned by the CONTRACTOR and employed in connection with the work.
- b. Performance of the work hereunder may be terminated by the COUNTY by giving three (3) days prior written notice to the CONTRACTOR if the COUNTY, in its sole discretion, decides to discontinue or suspend construction. In the event of such termination, as opposed to termination pursuant to paragraph (a) of this Article 15, the Contract Sum shall be reduced in an equitable manner by agreement between the parties.

15. **AUDIT CLAUSE**

Examination of Records

The CONTRACTOR's records which shall include, but not be limited to, accounting records (hard copy, as well as computer readable data), written policies and procedures, Subcontractor files, indirect cost records, overhead allocation records, correspondence, instructions, drawings, receipts, vouchers, memoranda, and any other data relating to this contract shall be open to inspection and subject to audit and/or reproduction by the County Auditor, or a duly authorized representative from the COUNTY, at the COUNTY's expense. The CONTRACTOR shall preserve all such records for a period of three years, unless permission to destroy them is granted by the COUNTY, or for such longer period as may be required by law, after the final payment. Since the CONTRACTOR is not subject to the Missouri Sunshine Law (Chapter 610, RSMo), information regarding the CONTRACTOR's operations obtained during audits will be kept confidential.

[Remainder of page left blank intentionally.]

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED IN FOUR (4) ORIGINAL COUNTERPARTS AS OF THE DAY AND YEAR LAST WRITTEN BELOW.

Executed by the County this _____ day of _____, 20____

Executed by the Contractor this _____ day of _____, 20____

CONTRACTOR

ST. CHARLES COUNTY, MISSOURI

By _____

By _____

Title _____

Title _____

ATTEST:

ATTEST:

By _____

By _____

Title _____

County Registrar

CERTIFICATE OF DIRECTOR OF FINANCE

I certify that there is a balance otherwise unencumbered to the credit of the appropriation to which this contract is chargeable, and a cash balance otherwise unencumbered in the treasury to the credit of the fund from which payment is to be made, each sufficient to meet this obligation.

SIGNED: _____

Bob Schnur, Director of Finance

DATED: _____

PAYMENT / PERFORMANCE BONDS

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the Undersigned _____

_____ of _____
(Firm*)

*a (corporation) (partnership) duly authorized by law to do business as a construction CONTRACTOR.(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 the County of St. Charles, (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:

Traffic Signal Modifications at the intersections of: MO 94 & PRALLE LANE; MO 94 & FRIEDENS ROAD/ZUMBEHL ROAD; MO 94 & SHERMAN DRIVE; MO 94 & I-70 RAMPS. for the Gateway Green Light Phase MO Route 94 Traffic Signals Project.

NOW THEREFORE, if the said Principal shall faithfully and properly perform the foregoing contract according to all 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 the County of St. Charles, 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 _____

Traffic Signal Modifications at the intersections of: *MO 94 & PRALLE LANE; MO 94 & FRIEDENS ROAD/ZUMBEHL ROAD; MO 94 & SHERMAN DRIVE; MO 94 & I-70 RAMPS.* for the Gateway Green Light Phase MO Route 94 Traffic Signals Project.

and

WHEREAS the OBLIGEE requires that 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 of the _____ day of _____, 20_____.

BY: _____
PRINCIPAL

BY: _____
SURETY

(ACKNOWLEDGMENT FOR PRINCIPAL)

(ACKNOWLEDGMENT AND POWER OF ATTORNEY FOR SURETY)

GENERAL REQUIREMENTS

GENERAL REQUIREMENTS

1. SUMMARY OF WORK

The work to be performed under this Contract shall consist of:
Traffic Signal Modifications at the intersections of: MO 94 & PRALLE LANE; MO 94 & FRIEDENS ROAD/ ZUMBEHL ROAD; MO 94 & SHERMAN DRIVE; MO 94 & I-70 RAMPS for the Gateway Green Light Phase MO Route 94 Traffic Signals Project.

2. GENERAL

The Federal Government is participating in the cost of construction of this project. St. Charles County reserves the right to add or reduce any quantity of all Contract bid items at the Contract unit price for that item.

3. DRAWINGS

Accompanying these specifications are the following drawings, which are to illustrate and become a part of these specifications:

Description	Sheet Number
Title Sheet	1
General Notes	2
Summary and Schedule of Quantities	3-4
Intersection Plans	5-11, 16-22
Traffic Control Plans	12-15, 23-27
CCTV Plans	28-30
Video Detection Upgrades	28-30
Wireless Travel Time Detection Plans	28-30

MoDOT and St. Charles County Standard Plans are not included in the construction plans but are included by reference. St Charles County Standard Plans shall be considered first in order of precedence, followed by the MoDOT Standard Plans. A listing of the necessary Standard Plans is included in the supplemental Standard Drawings section of these specifications. These drawings and specifications are intended to be so coordinated that any work included in one and not in the other, shall be executed as if included in both.

All work contemplated and described in the specifications shall be carried out in accordance with the general and detail drawings made a part thereof and with such additional detail drawings and directions as may be given from time to time during the progress of the work. On all drawings, computed dimensions shall take precedence over measurements by scale and full-sized details over scale drawings.

The CONTRACTOR shall maintain a record set of drawings at the site and mark thereon any changes as the work proceeds. These drawings shall indicate the vertical and horizontal location of improvements in plan and profile view.

Upon completion of the work, these "as-built" changes shall be transferred, with changes clearly identified, onto blueprint drawings which will be furnished to the COUNTY. These "as-built" drawings, certified by a Land Surveyor or ENGINEER registered in the State of Missouri shall be delivered to the Project ENGINEER for his review and approval prior to final payment.

4. **INSURANCE**

- a. Errors and Omissions (Professional Liability): With limits of not less than \$1.0 million per claim/\$2.0 million aggregate covering all services provided by the Contract. Coverage to be written on a claims-made basis.
- b. Commercial General Liability (CGL): \$1,000,000/\$3,000,000 including Products/Completed Operations. CGL coverage shall cover all liability arising from premises, operations, independent contractor and personal injury and liability assumed under an insured contract.
- c. Automobile Liability: covering liability arising out of the use of any owned, hired, leased or non-owned vehicle in an amount of no less than \$1,000,000 per occurrence.
- d. Workers Compensation/Employer's Liability: Statutory WC limits as required by the Statutes of the State of Missouri, (or a qualified self-insurer) and Employers Liability in an amount of no less than \$1.0 million.
- e. Excess Umbrella: liability with a limit of no less than \$1,000,000 in excess of the above policies.
 1. All insurance to be written through a company duly authorized to do business in the State of Missouri with an A.M. Best Rating of A-IX or higher.
 2. The Professional Liability, CGL, Automobile and Umbrella policies shall be endorsed to include the County as an additional insured and provide for 30 days advance written notice of any material change.
 3. A Waiver of Subrogation in favor of the County shall be endorsed on each of the policies.
 4. The required insurance provided by the "Firm" shall be primary insurance with respect to any other insurance or self-insurance programs maintained by the County.
 5. A Certificate of Insurance evidencing the above coverage(s) together with a copy of the required endorsements shall be provided to the County prior to the commencement of any work.

5. **PERFORMANCE BOND**

A bond will be required for the full amount of the contract price with a surety company, conditioned for the faithful performance of this Contract and the guarantee of the work. Both Contract and bond shall be executed in quadruplicate and in a form acceptable to the COUNTY. The cost of the performance bond shall be incidental to the price bid.

6. **PAYMENT AND MATERIALS BOND**

A bond will be required for the full amount (100 percent Labor and Material) of the contract price with a surety company. The bond shall be executed in quadruplicate and in a form acceptable to the COUNTY. The cost of the payment and materials bond shall be incidental to the price bid.

7. **GOVERNING STANDARD SPECIFICATIONS AND DEFINITION CHANGES**

The general requirements, provisions and technical specifications governing the completion of the work contemplated shall be the **Missouri Standard Specifications for Highway Construction, current edition** (hereinafter referred to as the Standard Specifications) for the roadway and insurance requirements. The Missouri Standard Specifications for Highway Construction, current edition, shall take precedence over other specifications.

8. **REFERENCE STANDARDS**

Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to the Laws or Regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated. However, no provision of any referenced standard, specification, manual, or code (whether or not specifically incorporated by reference in the Contract Documents) shall be effective to change the duties and responsibilities of Owner, CONTRACTOR, or ENGINEER, or any of their Consultants, agents, or employees from those set forth in the Contract Documents, nor shall it be effective to assign to ENGINEER, or any of ENGINEER's Consultants, agents, or employees, any duty or authority to supervise or direct the furnishing or performance of the Work.

9. **COORDINATION WITH OTHER CONTRACTORS**

There is a possibility that other CONTRACTORS may be working in the vicinity during the construction of this Contract. The CONTRACTOR shall inform himself fully of the conditions relating to construction and labor under which the work will be or is now being performed, and the CONTRACTOR must employ as far as possible such methods and means in carrying out his work as will not cause any interruptions or interference to any other CONTRACTOR.

When necessary for proper prosecution of work, each CONTRACTOR shall permit the other access through the overlapping construction areas and the use of any access or haul roads constructed by others.

10. **SHOP DRAWINGS**

In all cases where details or shop drawings are required, the CONTRACTOR shall submit (five copies) to the COUNTY ENGINEER, St. Charles County, Missouri for review before any of the work is begun. Should extensive changes be necessary, corrected drawings shall be submitted for final review. Five (5) copies of the final reviewed drawings will be required. (Two (2) copies will be returned to the CONTRACTOR.)

The CONTRACTOR shall thoroughly review the shop drawings for compliance with the Contract drawings and specifications before submitting them to the COUNTY ENGINEER. The shop drawings shall be stamped "reviewed" by the CONTRACTOR BEFORE submitting them to the COUNTY ENGINEER.

When it is required to submit material or equipment, shop drawings, manufacturer's brochures, or samples for review, said submittals are to be made to the COUNTY ENGINEER through the General CONTRACTOR.

Each item submitted for approval must be identified by reference to specification paragraph number and/or plan drawing number.

If the item described or submitted is not exactly as specified by the plans and/or specifications, the procedure shall be as follows:

With the submittal CONTRACTOR shall state in writing that the item is not exactly as specified by the plans and/or specifications and he shall state the difference.

At least five (5) copies of the shop drawings, manufacturer's brochures, or samples shall be submitted to the COUNTY ENGINEER

The COUNTY ENGINEER will then evaluate the submittal and will transmit the accepted or rejected submittal to the CONTRACTOR.

When substitutions for the specified items are approved, the submitting CONTRACTOR will be responsible for all costs incurred due to the changes from plans and/or specifications. This includes additional design costs, material and equipment costs and any appurtenant cost that may be incurred by other trades.

The COUNTY and/or CONSULTING ENGINEER will not be responsible for errors in the shop drawings which their examination and scrutiny many have failed to detect, and the CONTRACTOR shall be absolutely responsible for the correctness of the drawings furnished by him or his subcontractors.

Within two (2) weeks after signing the Contract between the COUNTY and the CONTRACTOR, the CONTRACTOR shall submit a complete list of shop drawings and samples for items of work and the approximate dates on which they will be submitted

for approval. The CONTRACTOR'S first payment can be withheld if this requirement is not met.

The following shop drawings and/or manufacturers data shall be required:

Concrete Mix Design (each type to be used)	Fiber Optic Cables
Asphalt Mix Design (each type to be used)	Sign Materials
DMS Equipment	DMS Structural Equipment ITS
Surveillance and Detection Devices	
Communication Network Switches and Equipment	

11. **TRUCK TICKETS**

All items, except reinforcing, structural and fabricated steel, to be paid for on the basis of weight, shall be weighed on a licensed scale and the weight ticket issued at the scale for each load of material shall be furnished to the ENGINEER at the time of delivery of the material.

Tickets shall show the following information:

Date

CONTRACTOR's Name

Job Name

Gross and Tare Weights or Volume Time Left Plant

Ticket Number Load Number

Type of Material Delivered

12. **RIGHTS-OF-WAY**

All improvements will be constructed within the public right-of-way shown on the plans.

Upon completion of the contract work, the CONTRACTOR shall restore, without additional cost to the COUNTY, all improvements within the right-of-way to substantially the same conditions as they were at the commencement of the construction work, unless otherwise noted.

At Project Closeout, the ENGINEER will ensure the conditions of areas located outside of the Existing right-of-way were not damaged, and if damaged were repaired to the same as at the commencement of the work. Non-approval can result in the withholding of final payment.

All costs resulting from the maintenance or improvement of areas outside the construction limits depicted on the plans – such as incidental grading, and the repair of improvements damaged by the CONTRACTOR – shall be borne by the CONTRACTOR.

13. INSPECTIONS

The CONTRACTOR shall assure that representatives of the COUNTY, MoDOT and FHWA shall have the privilege of inspecting and reviewing work done by the CONTRACTOR or his subcontractors on this project, in accordance with Section 105.10 of the Standard Specifications.

The CONTRACTOR shall also assure that all of his subcontractors, if any, maintain all books, documents, papers and other evidence pertaining to cost incurred in connection with the Contract and make such materials available at such CONTRACTOR's office at all reasonable times during the contract period.

The COUNTY ENGINEER or his representative on the following items of work will generally make inspections and job control tests. It shall be the responsibility of the CONTRACTOR to notify the COUNTY ENGINEER or his representative by 3:00 P.M. of the day preceding any operation that affects these items.

All Earthwork Operations	Backfill (soil against concrete)
All Concrete Operations	All storm sewer pipe installation
All Asphalt Operations	All aggregate base installation
Backfill (storm sewer)	Temporary pavement installation
Seeding & Sodding	Striping and signage installation
Erosion control installation	Communication Network Devices Fiber
Optic Cables	ITS Devices and Equipment (incl.
Guardrail installation	DMS)

If any operation which affects the above-mentioned items is to be performed on a Monday, notification must be made to the COUNTY ENGINEER or his representative by 3:00 P.M. of the preceding Friday. The lack of supervision or inspection by the COUNTY ENGINEER or his representative shall not relieve the CONTRACTOR of the responsibility to construct the project according to the plans and specifications. Any work performed or materials used without authorization by the COUNTY ENGINEER or his representative may be ordered removed and replaced at the CONTRACTOR'S expense.

The COUNTY, MoDOT and FHWA shall also reserve the right to inspect any fabricated or manufactured items at the place of fabrication and/or manufacture, in accordance with Section 105.10 of the Standard Specifications. The COUNTY'S representative shall be notified in advance of the beginning of the shop work so the COUNTY'S representative may be present if the COUNTY'S representative desires. Requests for shop inspection shall be made a minimum of five (5) working days in advance of the need for inspection. The COUNTY'S, MoDOT's and FHWA's representative shall have full access to all parts of the shop or project site where material is being fabricated or assembled for inspection, and shall be provided with every reasonable facility for determining the character of material, acceptability of fabrication, and the masses of the pieces.

14. **LABOR RECORDS**

The prime CONTRACTOR and each subcontractor on all projects are required to submit one certified copy of labor payrolls for each week that work is in progress. In the event that work is temporarily suspended, the last payroll shall be marked appropriately to note that it will be the last payroll until work is resumed.

Payrolls to be submitted shall be checked for compliance with the contract requirements. All payrolls shall be retained by the local agency for a period of three years after the date on which the local agency received reimbursement of their final invoice from MoDOT, during which time they shall be open to inspection by MoDOT.

A certified copy of each weekly payroll must be submitted by the prime CONTRACTOR within 7 days of the payment date of the payroll. The certification may be attached to the payroll or may be on the payroll itself. The prime CONTRACTOR will be responsible for the submittal of payrolls and certifications for all subcontractors on the project.

The local agency shall check payrolls, with the following checks being made to ensure proper labor compliance:

- a. The employee's full name as shown on his social security card, his address and social security number shall be entered on each payroll;
- b. Check the payroll for correct employee classification;
- c. Check the payroll for correct hourly wage and, where applicable, the correct overtime hourly rate;
- d. Check the daily and weekly hours worked in each classification including actual overtime hours worked (not adjusted hours);
- e. All deductions are listed, and the net wage shown. The Form WH-347 (explained in a subsequent paragraph) is to be used where fringe benefits are paid into established programs. However, if fringe benefits are paid in cash to the employee, the amount shall be indicated on the payroll.
- f. To assure that the payrolls are arithmetically correct, approximately 10% of the extensions on the first three payrolls shall be checked. The CONTRACTOR is to be advised of any violations noted on the labor payroll. All the errors are to be corrected by means of a supplementary payroll.
- g. All checking by the local agency shall be made in red pencil and initialed by the checker.
- h. Final payrolls shall be marked "Final" or "Last Payroll".

- i. A record of all payrolls is to be maintained by the local agency.

The prime CONTRACTOR and each subcontractor are required to submit a weekly statement of compliance within seven days of the payment date of each payroll period. This statement, Form WH-347, is to be submitted in the prescribed form as set out in the "Required Contract Provisions" included in the contract. A record of all statements is to be maintained by the COUNTY.

15. **LABOR POSTINGS**

The following information is required to be posted on the project and in the St. Charles County Highway Department office. Postings of any such other information as required by State and/or Federal wage/labor laws shall also be made.

- a. In the COUNTY ENGINEER'S office:
 - 1. Missouri Equal Employment Opportunity Notice
 - 2. PR-206, Title 18, Section 1020, Notice on False Statements
- b. On the project:
 - 1. Federal Equal Employment Opportunity Notice
 - 2. Federal Wage Rates
 - 3. PR-206, Title 18, Section 1020, Notice on False Statement
 - 4. Form PR-809, Wage Rate Information
 - 5. CONTRACTOR's and Subcontractor's EEO Policy Statements and name, address and telephone number of designated EEO Officers

16. **COORDINATION OF WORK**

The CONTRACTOR shall cooperate with and so coordinate his work under this Contract to minimize cross-interference with the following:

- a. Utility relocation arranged or constructed by the COUNTY.
- b. Any utility relocation performed by any private utility. CONTRACTOR needs to show on his schedule how he plans to work with the utility relocations. Utility scheduling is further addressed in Section 2.1.4 of the Job Special Provisions. CONTRACTOR's attention is directed to Section 105.7 of the Standard Specifications regarding coordination with utility companies.
- c. Local access to abutting property owners.
- d. Mail delivery service. CONTRACTOR must coordinate with the Post Office to ensure that mail delivery is not interrupted on any parcel at any time during the project. If temporary mailboxes are required, the CONTRACTOR will be responsible for procuring, installing, and maintaining. All work associated with providing mail service is considered incidental and no direct payment will be made. Reinstallation of the permanent mailboxes will be done in such a manner that the mailbox is in equal or better condition than at the beginning of

construction. No direct payment for mailbox construction will be made.

- e. **Project J6P3418** which will construct a new interchange at Muegge Road / Route 94 / Route 364, add an additional lane along Route 94 eastbound to Friedens Rd. / Zumbuhl Rd., and add an additional lane westbound from Pralle Lane to the interchange.

17. **CONFLICT WITH PERSONNEL**

If a conflict between personnel of the CONTRACTOR and the COUNTY escalates to the point that it hinders the progress of the Work and cannot be settled amicably, the CONTRACTOR's personnel involved in the conflict shall be removed from the project.

A personnel conflict shall not give cause for the CONTRACTOR to terminate this Contract nor to pull off employees from active job sites. If the CONTRACTOR withdraws crews, the COUNTY may, at its sole discretion, consider the Contract to be terminated under the provisions of Article 15 of the County-CONTRACTORS Agreement. If the COUNTY so determines, notices shall be given as set forth therein.

18. **NOTICE TO OWNERS AND AUTHORITIES**

CONTRACTOR shall notify owners of adjacent property and utilities when prosecution of the Work may affect them.

When it is necessary to temporarily deny access to property, or when any utility service connection must be interrupted, CONTRACTOR shall give notices sufficiently in advance to enable the affected persons to provide for their needs. Notices shall conform to any applicable local ordinance and, whether delivered orally or in writing, shall include appropriate information concerning the interruption and instructions on how to limit inconvenience caused thereby.

19. **CONSTRUCTION AND TRAFFIC CONTROL SIGNS AND BARRICADES**

All signs and barricades as detailed on the Plans and in Job Special Provisions shall be furnished, installed, and maintained by the CONTRACTOR. The CONTRACTOR shall meet all requirements of the FHWA "Manual on Uniform Traffic Control Devices". No traffic switches will be made without the necessary temporary or permanent signage and/or striping in place meeting the requirements of the Standard Specifications and/or the "MUTCD".

20. **TESTS**

The CONTRACTOR shall notify the COUNTY ENGINEER of the sources of all materials in order that required tests and approval of source materials can be made without delaying the project. The COUNTY shall perform its own testing or employ a testing agency to make soil, compaction asphalt, and other tests identified in these specifications. Concrete cylinders will be made in accordance to ASTM C 39. Unless otherwise directed, the cylinders shall be tested at the following intervals:

1 at 7 days

- 1 at 14 days
- 1 at 28 days
- 1 held until completion of project

CONTRACTOR may request additional cylinders be made and broken early. The cost of the additional cylinders and testing will be borne by the CONTRACTOR.

The COUNTY at their discretion and at their cost may make additional concrete tests and the CONTRACTOR shall cooperate. The CONTRACTOR is responsible to certify that all necessary tests have been performed on prefabricated assemblies such as precast box culverts and modular wall units.

21. EMERGENCY PROVISIONS AND INCIDENT MANAGEMENT (DSP-90-11F)

- a. 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 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 COUNTY ENGINEER's office shall also be notified when the CONTRACTOR requests emergency assistance.

- b. 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 Highway Patrol: (314) 416-2180
Fire and Ambulance: 911
St. Charles County Police: (636) 949-3000

- c. 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.
- d. 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.
- e. 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.

22. EROSION CONTROL MEASURES

The COUNTY will provide as a part of the Construction Plans an Erosion Control Plan, but the CONTRACTOR shall provide adequate erosion control features in accordance with any local, state and federal regulations, this includes the St. Charles County

Erosion Control and Sediment Guidelines as well as in accordance with the Construction Plans. The CONTRACTOR shall submit any additions or deletions from the provided erosion control plan to the COUNTY for approval prior to the start of construction.

23. **PROGRESS SCHEDULE**

The CONTRACTOR shall, prior to or at the preconstruction meeting, prepare and submit to the COUNTY ENGINEER for approval a detailed schedule of all operations showing the following:

- a. The anticipated time of commencing and completion of various operations to be performed under this Contract.
- b. The estimated time required for fabrication and/or delivery of all materials and equipment required for the work.
- c. Utilities relocations by others and how it affects CONTRACTOR schedules.

The COUNTY ENGINEER may require the CONTRACTOR to adjust his plan, equipment, or construction forces, if progress falls behind the approved schedule such that completion within the specified time appears doubtful.

The CONTRACTOR must update the progress schedule and resubmit to the County for acceptance anytime work falls behind the current accepted schedule.

24. **PROGRESS REPORTS**

The CONTRACTOR shall submit progress reports on a monthly basis beginning the first Friday after award of the project and continuing through closeout of the project. The reports shall briefly describe work accomplished during the time period and projected work for the next time period. They shall indicate the project number, and the days the CONTRACTOR was unable to work due to conditions beyond his control (list specific reason, i.e. rain, cold, etc.). They shall be in a neat, legible form and submitted to the COUNTY (four copies).

25. **PROGRESS PAYMENTS**

CONTRACTOR shall submit original signed monthly pay requests to the COUNTY ENGINEER by the tenth of the month. Payment will be made by the first of the next month. The pay request will reflect the following changes and totals made on past invoices for:

Contract Amount

Total Change Order amounts

Pay Item quantities of work completed that month Additional pay items

Previously paid invoices Total retainage to date Total amount due this pay request

Retainage shall be administered in accordance with Section 109.9 of the *Missouri Standards Specifications for Highway Construction, 2011*. All references therein to "Commission" are understood as replaced with "County." Section 109.9.1.2 shall be disregarded in its entirety.

Retainage, as defined per the *Missouri Standards Specifications for Highway Construction, 2011*, shall be further administered in accordance with RSMo 34.057, which is included in its entirety for informational purposes as follows:

34.057 RSMo

Nothing in this section shall prevent the owner from withholding payment or final payment from the CONTRACTOR, or a subcontractor or material supplier. Reasons for withholding payment or final payment shall include, but not be limited to, the following: liquidated damages; unsatisfactory job progress; defective construction work or material not remedied; disputed work; failure to comply with any material provision of the contract; third party claims filed or reasonable evidence that a claim will be filed; failure to make timely payments for labor, equipment or materials; damage to a CONTRACTOR, subcontractor or material supplier; reasonable evidence that a subcontractor or material supplier cannot be fully compensated under its contract with the CONTRACTOR for the unpaid balance of the contract sum; or citation by the enforcing authority for acts of the CONTRACTOR or subcontractor which do not comply with any material provision of the contract and which result in a violation of any federal, state or local law, regulation or ordinance applicable to that project causing additional costs or damages to the owner.

First payment will not be made until the following items have been approved by the COUNTY.

Project Schedule Erosion Control Plan Traffic Control Plan

Subsequent progress payments will be suspended unless the CONTRACTOR's project schedule is up to date and acceptable to the County, and weekly payroll statements of compliance are current.

26. HOURS OF WORK

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. Work in the roadway should be limited to off-peak hours. This is comprised of weekdays between 9am – 3pm.

27. PROTECTION DURING CONSTRUCTION

During the progress of the work, the CONTRACTOR shall protect all existing and new work from injury or defacement and particular care shall be taken of all finished parts. Any damage occurring to the work from any cause, including any damage caused by others and utilities, shall be properly repaired and/or replaced at the CONTRACTOR'S expense to the satisfaction of the COUNTY ENGINEER.

The CONTRACTOR is also responsible for any repair and/or maintenance required throughout the project from Notice to Proceed until final acceptance. These maintenance items or repairs include but are not limited to pothole repair, resurfacing temporary roads, maintenance of utility cuts, mowing, etc.

28. **CLEANING UP**

The CONTRACTOR shall have all rubbish and debris removed from the premises from time to time as directed by the COUNTY ENGINEER. Upon the completion of the work, the premises shall be left in a neat and presentable condition.

29. **TEMPORARY FACILITIES**

Temporary Toilet For Workmen --The CONTRACTOR shall provide temporary toilet facilities conforming to requirements of all Health and Sanitation Codes for use by workmen employed on the project. The location of the toilet shall be as directed by the COUNTY ENGINEER and the facilities shall be kept in a clean, sanitary condition at all times. The cost for the temporary toilet shall be included in the bid price for other work.

Temporary Light and Power -- The CONTRACTOR shall provide and pay all charges for temporary light and power, as required for the work.

Temporary Water -- The CONTRACTOR shall provide and pay for temporary water service, as required for the work.

Temporary Field Office -- The CONTRACTOR may provide and maintain a temporary field office for his use. The COUNTY ENGINEER shall approve the location of the proposed office. No direct payment will be made for this work.

30. **HAULING OVER STREETS**

All streets over which hauling is performed shall be kept reasonably clean of spilled or tracked-on materials at all times and shall be thoroughly cleaned of such materials daily, within one hour after the suspension of hauling operations if said street is used by the traveling public.

The CONTRACTOR will be required to secure from the proper City, County, and State authority any permits which may be required to haul over city, County or state streets, and any hauling operation shall be subject to the requirements of such permits and to any applicable City, County or State regulations and ordinances governing hauling and the movement of equipment over said city, County, or state streets. CONTRACTOR is reminded that they must follow posted weight limits for bridges.

31. **PROJECT SUBMITTALS AND CLOSEOUT**

- a. Although not an all-inclusive list, the following submittals shall be required by the CONTRACTOR prior to the start of construction:

<input type="checkbox"/> Bid Guaranty (IB-5)	Submitted:_____
<input type="checkbox"/> Contract Agreement	Submitted:_____
<input type="checkbox"/> Performance Bond (PB-1&2, GR-2)	Submitted:_____
<input type="checkbox"/> Payment & Materials Bond (PMB-1, GR-2)	Submitted:_____
<input type="checkbox"/> Certificate of Insurance (GR-3)	Submitted:_____
<input type="checkbox"/> Preliminary Work Schedule (GR-10)	Submitted:_____

- ☐ List of Desired Substitutions (IB-8&9) Submitted: _____
- ☐ List of Subcontractors (IB-2-4, IB-6, P-9, P-12-14) Submitted: _____

b. The following documents are required from the CONTRACTOR to make Final Payment and to submit with the Final Reimbursement Request to MoDOT:

- ☐ Prevailing Wage Affidavit (Prime & Subcontractors) Submitted: _____
- ☐ CONTRACTOR's Certification Regarding Settlement of Claims (Prime) Submitted: _____
- ☐ CONTRACTOR's Final Lien Waiver (Prime) Submitted: _____
- ☐ CONTRACTOR's Final Pay Invoice (Prime) Submitted: _____
- ☐ CONTRACTOR's Final Breakdown of D.B.E. DBE Participation. If goals were not met, include documentation as to why (Prime). Submitted: _____

c. The CONTRACTOR shall close out the project in the following manner or as otherwise directed by the COUNTY ENGINEER:

- ☐ Final inspection and approval by the COUNTY ENGINEER.
- ☐ Any claim from his subcontractors, utilities, or adjacent property owners must be cleared.
- ☐ Final inspection and approval from all State and COUNTY agencies involved in the project.
- ☐ CONTRACTOR shall supply as-built markups, if required, on a clean set of drawings to the COUNTY ENGINEER at closeout.
- ☐ CONTRACTOR, including all subcontractors, shall supply final lien waivers for all material, labor, and equipment with final pay request.

d. The following documents are required to final out a Federal-aid Contract.

The CONTRACTOR shall ensure that all the documents from paragraph 31.2 above are submitted in a timely manner and shall assist the COUNTY in completing the items in paragraph 31.4.a below as required.

The Local Agency will provide these documents:

- ☐ Final Change Order (If needed.) – Submit enough copies for MoDOT to retain two (2). This item may be submitted ahead of time to secure Federal Funding.
- ☐ Final Inspection and Acceptance Letter - On Local Entity (Sponsor) Letterhead (LPA Manual Pg. XI-11, items 1 and 2)
- ☐ Final Certification Letter - On Local Entity (Sponsor) Letterhead. (Conformity of materials, field tests, project construction. See LPA Manual Pg. XI-11, Item 3a, b and c)
- ☐ Local Agencies Recommendation regarding the CONTRACTOR's fulfillment of DBE requirements (LPA Manual Pg. XI-11, item 4b)
- ☐ Final Invoice - On Local Entity Letterhead

Refer to sections XI and XII of the Local Public Agency Manual for further explanation and examples of required certifications.

32. 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 existing conditions as shown upon, or reasonably implied by the plans and specifications and as may be directed by the ENGINEER.

Any cost caused by defective or ill-timed work shall be borne by the party responsible therefore as determined by the COUNTY.

The CONTRACTOR shall not endanger any work by cutting, digging, or otherwise, and shall not cut or alter the work of any other CONTRACTOR without the consent of the ENGINEER.

33. WORK IN EXISTING DRAINAGE AREA

The attention of the BIDDER is directed to the fact that the site of the work conveys overland and piped storm water drainage. The CONTRACTOR shall inform himself fully, of the conditions relating to the construction and labor under which work will be performed. The CONTRACTOR shall employ as far as possible such methods and means in carrying out his work as not to cause any interruptions or interference to the flow of storm water. The CONTRACTOR shall take special care to prevent the obstruction of the existing or new storm water facilities. In addition, all debris and material that could cause obstruction to downstream culverts, if a storm were to occur, must be removed immediately. All excavation shall be planned and executed in a manner to minimize the duration of exposure of unprotected soils. All borrow areas and embankments shall be managed to prevent sediment from entering nearby water or land. Disturbed areas shall be restored with permanent vegetative diversion, or siltation retention facilities shall be provided to protect water courses.


JOB SPECIAL PROVISIONS

Traffic Signal Modifications
MO 94 & PRALLE LANE; MO 94 & FRIEDENS ROAD/ZUMBEHL ROAD; MO 94 & SHERMAN DRIVE;
MO 94 & I-70 RAMPS
St. Charles County, Missouri
CMAQ-5414(635)

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	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 W. CAPITOL AVE. JEFFERSON CITY, MO 65102 Phone 1-888-275-6636
	CONSULTANT NAME CBB Transportation 12400 Olive Boulevard, Suite 430 St. Louis, MO. 63141 Certificate of Authority: Consultant Phone: 314-878-6644
	If a seal is present on this sheet, JSP's have been electronically sealed and dated.
	JOB NUMBER: 069-19 ST. LOUIS, MO DATE PREPARED: 6/21/2021 Preliminary PS&E SUBMITTAL
	ADDENDUM DATE:

Only the items of the Job Special Provisions (Roadway) marked with a * above are authenticated by this seal.

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JSP – 1
PROJECT CONTACT FOR CONTRACTOR/BIDDER QUESTIONS

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

Amanda Brauer
201 N. Second St.
St. Charles, MO 63301
Phone: 636-949-7490
Fax: 636-949-7416
ABrauer@sccmo.org

or Brian Courtwright, P.E., PTOE
Associate Transportation Engineer
CBB
340 Regency Centre
Collinsville, IL 62234
(618) 391-1113
bcourtwright@cbbtraffic.com

END OF JOB SPECIAL PROVISION JSP-1

JSP – 2
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 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.

Amanda Brauer
201 N. Second St.
St. Charles, MO 63301
Phone: 636-949-7490
Fax: 636-949-7416
ABrauer@sccmo.org

or Brian Courtwright, P.E., PTOE
Associate Transportation Engineer
CBB
340 Regency Centre
Collinsville, IL 62234
(618) 391-1113
bcourtwright@cbbtraffic.com

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 Highway Patrol (314-416-2180)		

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.

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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.

END OF JOB SPECIAL PROVISION JSP-2

JSP – 3 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>Status</u>
AMEREN MISSOURI	NONE	
ELECTRIC	NONE	
ATT DISTRIBUTION	NONE	
CHARTER	NONE	
COMMUNICATIONS	NONE	
MODOT ST LOUIS	NONE	
DISTRICT	NONE	
LEVEL 3 NOW	NONE	
CENTURYLINK	NONE	
SPIRE MO EAST	NONE	
CITY OF ST CHARLES	NONE	
ADB COMPANIES	NONE	
MCI	NONE	
LUMEN	MANHOLE REPLACEMENT/ADJUSTMENT	Lumen is currently budgeting the relocation/adjustment of a manhole located in of the MO 94 and Pralle intersection.

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 Commission at this time. This information is provided by the Commission "as-is" and the Commission 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 Commission 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.

1.2 The contractor agrees that any effects of the presence of the utilities, their relocation, contractor's coordination of work with the utilities and any delay in utility relocation shall not be compensable as a suspension of work, extra work, a change in the work, as a differing site condition or otherwise including but, without limitation, delay, impact, incidental or consequential damages. The contractor's sole remedy for the effects of the presence of utilities, delay in their relocation or any other effects shall be an excusable delay as provided in Section 105.7.3. The contractor waives, for itself, its subcontractors and suppliers the compensability of the presence of utilities, delay in their relocation and any cost to the contractor, its subcontractors and suppliers in any claim or action arising out of or in relation to the work under the contract.

1.3 The contractor shall be solely responsible and liable for incidental and consequential damage to any utility facilities or interruption of the service caused by it or its subcontractors operation. The contractor shall hold and save harmless the Commission from damages to any utility facilities interruption of service by it or it's subcontractor's operation.

2.0 It shall be noted by the contractor that MoDOT is a member of Missouri One Call (800 Dig Rite). Some work on this project may be in the vicinity of MoDOT utility facilities, which includes but is not limited to traffic signal cables, highway lighting circuits, ITS cables, cathodic protection cables, etc. Prior to beginning work, the contractor shall request locates from Missouri One Call. The contractor shall also complete the Notice of Intent to Perform Work form located at the Missouri Department of Transportation website:

<http://www.modot.mo.gov/asp/intentToWork.shtml>

The contractor shall submit the form over the web (preferred method) or by fax to the numbers on the printed form. The notice must be submitted a minimum of 2 and a maximum of 10 working days prior to excavation just as Missouri One Call requires.

END OF JOB SPECIAL PROVISION JSP-3

JSP – 4 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 Standard Specifications, and specifically as follows.

2.0 Traffic Management Schedule

2.1 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, hours traffic control will be in place, and work hours.

2.2 The contractor shall notify the engineer prior to lane closures or shifting traffic onto detours. Guidance for proposed closures can be found in the plan set.

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2.3 The engineer shall be notified as soon as practical of any postponement due to weather, material or other circumstances.

2.4 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.

2.5 The contractor shall be responsible for maintaining the existing traffic flow through the job site during construction. If disruption of the traffic flow occurs and traffic is backed up in queues of 15 minute delays or longer, then the contractor shall review the construction operations which contributed directly to disruption of the traffic flow and make adjustments to the operations to prevent the queues from occurring again.

3.0 Work Hour Restrictions.

3.1 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. Work in the roadway should be limited to off-peak hours. This is comprised of weekdays between 9am – 3pm.

3.2 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 proceeding the holiday until 9:00 a.m. on the first working day subsequent to the holiday.

4.0 Detours and Lane Closures. At least one lane of traffic in each direction shall be maintained at all times except for brief intervals of time required when the movement of the contractor's equipment will seriously hinder the safe movement of traffic. Periods during which the contractor will be allowed to halt traffic will be designated by the engineer. *The Contractor shall obtain lane closure permit for work performed requiring lane closures and designate a 24/7 point of contact while work is being conducted (per Lane Closure Request Form).*

5.0 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.

END OF JOB SPECIAL PROVISION JSP-4

JSP – 5 TRAFFIC CONTROL

1.0 Description. This work shall consist of providing traffic control devices such as construction signage, barricades, channelizers and flashing arrow panels in zones where work is to be performed. The desired staging and traffic control layouts are depicted in the traffic

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control plan however, additional traffic control devices, including flaggers, may be needed in order to appropriately and safely cover the work area or as mandated by St. Charles County. Payment for the traffic control devices including all materials, equipment, tools, labor, and work incidental thereto for installation shall be considered incidental to this item. While the contractor is allowed to provide, rent or relocate the equipment as desired, no additional payment will be made.

2.0 Traffic Control Plan Revisions. The plans provide a traffic control plan. The contractor is allowed to propose changes to the traffic control plan if the construction time frame can be shortened, and/or the number of days traffic lanes are restricted can be reduced. If the contractor proposes modifying the traffic control plans, there will be no additional payment for additional traffic control items.

2.0.1 Any modification to the Traffic Control Plans or alternate traffic control plan must meet the minimum requirements of this provision. Modified Traffic Control Plan's must be signed and sealed by a Professional Engineer registered in the State of Missouri and must comply to the current edition of the MUTCD and MODOT standards, whichever is more conservative.

2.0.2 Five (5) copies of any Modified Traffic Control Plan Sheets must be submitted prior to implementation to St. Charles County.

2.1 The contractor will be required to measure and/or count all temporary traffic control items used on this project. A document will be filled out by the contractor listing the items, along with the quantity and location on the roadway. This document will be similar in form to a MoDOT Documentation Record.

2.2 These Documentation Records will be submitted to the engineer three working days prior to the estimate so the engineer can verify the information and quantities may be included for pay. They shall have the following certification statement and be signed by the Director of Traffic Management.

"In keeping with United States Code, Title 18, Section 1020, regarding False Statements, I certify, to the best of my ability, the above information is correct and accurate with regards to date placed, quantity, length and location". Signature & Date _____.

3.0 Basis of Payment. Payment for Traffic Control shall be made of the unit LUMP SUM. 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. There will be no direct pay for any cost associated with engineering and implementing a modified traffic control scheme. Any additional traffic control items or temporary construction (including but not limited to grading, base, temporary bypasses, temporary striping, shoring, temporary barrier, etc) needed to implement any staging revisions or modified Traffic Control Plan proposed by the contractor will be considered incidental to the contract. No direct pay will be made for any of these items. The contractor will only be paid up to bid in the contract for Traffic Control.

END OF JOB SPECIAL PROVISION 5

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JSP – 6
MAINTENANCE OF TRAFFIC CONTROL ITEMS (616-99.01)

1.0 Description. This work shall consist of installing and removing temporary lane closures, straightening, cleaning, repairing, replacing traffic control devices, and any other maintenance, labor, equipment or supplies associated correcting deficiencies and maintaining the quality of traffic control on the project.

All construction signs and temporary traffic control devices shall be like new, at the beginning of the contract. Work Zone deficiencies could involve missing or damaged signs, faded striping, non-reflective traffic control items, non-standard lane drops, non-functioning changeable message signs or arrow boards, non-functioning work zone lighting, signals malfunctioning or non working, etc. Missing signs with non-typical wording can be replaced with Changeable Message Signs until new signs can be made and installed. The contractor shall have a supply of standard replacement signs and devices available at all times to make needed corrections.

2.0 Basis for Payment. This work shall be paid for at the contract unit price for Item Number 614-99.02, "Maintenance of Traffic Control Items", lump sum. The payment will be made monthly to the contractor based on the percentage of work completed to date at the discretion of the Engineer or Local Agency.

END OF JOB SPECIAL PROVISION JSP-6

JSP – 7
ATC TRAFFIC SIGNAL CONTROLLER

1.0 Description. The Commission's St. Louis District is utilizing TransCore's TransSuite software as their Advanced Traffic Management System (ATMS), therefore all signal controllers must be able to interface with their TCS program. In addition, all signal controllers shall be compatible with the District's current Signal Performance Measurement (SPM) system.

2.0 Material. All traffic signal controllers purchased and installed on this project shall be selected from the list below and match the cabinet type and connections indicated on the D-37C sheet for each intersection(s). The controllers on the list below are the only controllers that are tested, fully functional, and approved with the version of TransSuite that the St. Louis District is currently operating (TransSuite version 19.4). The controller selected must also meet the conditions of 1.0 above as approved by the Commission:

Controller/Firmware Type	Firmware Supported	Cabinet Type (Match in field)
Econolite Cobalt	32.65.10 or newer	NEMA TS2 Type 1 or 2
Econolite ASC/3	2.66	NEMA TS2 Type 1 or 2
McCain Omni EX	1.11	NEMA TS2 Type 1 or 2
Intelight X3	MaxTime 2.1.1	NEMA TS2 Type 1 or 2

3.0 Construction Requirements. Contractor shall ensure that the signal controller as noted above is programmed to be compatible with the previously mentioned version of TransSuite TCS system, and the latest District SPM system. After installation, the controller shall be integrated into the District SPM system. This work will be compensated under separate pay item.

4.0 Acceptance Testing. All controllers shall be tested per the Commission's specifications. Programming and testing should be done prior to any installation and approved by the Commission's engineer or representative. The contractor shall provide a copy of the signal programming to the engineer via an USB Flash drive.

5.0 Documentation. Contractor shall provide the engineer with an electronic copy of the manufacturer's signal controller manual or link to the website where the manual can be downloaded in .pdf format.

6.0 Basis of Payment. Measurement and payment for work covered by this specification shall include all equipment, tools and materials necessary for installation of the new units. Integration of the new controllers to SPM system will be made at the contract unit price for Item Number 902-99.02 "Integrate New Controllers to SPM System", per each. Payment shall be made at the contract unit price for Item Number 902-99.02 "ATC Traffic Signal Controller", per each.

END OF JOB SPECIAL PROVISION JSP-7

JSP – 8 CONDUIT SPLICING

1.0 Description. At locations noted on the plans, trenched conduit shall be spliced to existing conduit.

2.0 Requirements. At locations where connection of the new trenched conduit to existing conduit is shown, a watertight connection shall be made using a mechanical coupler. The coupler shall be designed by the manufacturer to join conduits of the type and size to be joined. The splicing device shall be approved by the engineer.

3.0. Construction Requirements. Construction requirements shall conform to Sec 902.16.

4.0 Basis of Payment. No direct payment will be made to provide conformance to this section. Payment is to be included as part of Conduit, 2" Trenched.

END OF JOB SPECIAL PROVISION JSP-8

JSP – 9 DISPOSITION OF EXISTING SIGNAL AND NETWORK EQUIPMENT

1.0 Description. All controllers, cabinets, cabinet equipment, network equipment, DMS equipment, antennas, radios, modems, and other equipment noted in the plans shall be removed by the contractor.

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2.0 Signal Equipment. All equipment other than network communication devices noted in 3.0 are to be transported to the Commission's maintenance lot located at 2309a Barrett Station Road, Ballwin, Missouri 63021. The contractor shall notify the Commission's representative 24 hours prior to each delivery by calling:

Mr. Dennis Hixson, Traffic Supervisor, Preventive Maintenance/ITS
Cell: (314) 565-6726
Mr. Ron Mize, Traffic Supervisor, Emergency Signal Maintenance
Cell: (314) 565-6727
Brian Ducote, Interim Lighting and Locate Supervisor
Cell: (314) 681-8395

3.0 Network Communication Devices. Devices such as CCTV cameras and domes, video encoders, device servers, Ethernet switches, media converters, and radio assemblies are to be transported to the Commission's TMC in Chesterfield. The contractor shall notify the Commission's representative 24 hours prior to each delivery by calling 314-275-1526 and providing details for the delivery.

4.0 Construction Requirements. The contractor shall exercise reasonable care in the handling of the equipment during removal and transportation. Should any of the equipment be damaged by the contractor's negligence, it shall be replaced at the contractor's expense. The contractor shall dispose of any other equipment. Delivery shall be within 2 working days of removal. All items returned shall be tagged with the date removed, project number and location/intersection.

5.0 Basis of Payment. Payment for removal, handling and transportation of all equipment specified shall be considered completely covered by the contract unit price for Item Number 902-99.01 "Disposition of Existing Signal & Network Equipment", per lump sum.

END OF JOB SPECIAL PROVISION JSP-9

JSP – 10

RELOCATION OF EXISTING SIGNAL AND NETWORK EQUIPMENT

1.0 Description. All signal, cabinets, cabinet equipment, network equipment, DMS equipment, antennas, radios, modems, and other equipment noted in the plans shall be relocated by the contractor. All work shall conform to Section 902 of the Missouri Standard Specifications for Highway Construction, current edition and performed to the satisfaction of the engineer. This pay item includes the cost of equipment, labor, materials and time required to complete said work.

2.0 Construction Requirements. The contractor shall exercise reasonable care in the handling of the equipment during removal, transportation and reinstallation. Should any of the equipment be damaged by the contractor's negligence, it shall be replaced at the contractor's expense.

4.0 Basis of Payment. Payment shall be made at the contract unit price for Item Number 902-99.01 "Relocation of Existing Signal & Network Equipment", lump sum.

**JSP – 11
DRILL PULLBOX AND ATG**

1.0 Description. This work shall consist of drilling opening(s) in the existing pullboxes as shown on the plans. The number of openings to be drilled are indicated on the signal plan sheets. The size of opening shall be drilled only to accommodate the size of conduit; remainder of opening to be filled with waterproof material prior to backfilling the area. Upon completion of the conduit work, the pullbox shall be adjusted to the finished grade. The work shall conform to Section 900 of the Missouri Standard Specifications for Highway Construction.

2.0 Basis of Payment. Payment shall be made at the contract unit price for Item Number 902-99.02 "Drill Pullbox and ATG", per each.

END OF JOB SPECIAL PROVISION JSP-11

**JSP – 12
MODIFY HIGH MAST LIGHTING FOR CCTV CAMERA**

1.0 Description. Modify the existing high mast lighting system as necessary to allow for the addition of a CCTV camera to the existing high mast tower assembly.

2.0 Materials.

2.1 The Contractor will provide a IP CCTV camera that uses 120 VAC power.

2.2 The Contractor will provide the manufacturer's hardware for mounting the camera to a standard CCTV camera pole. The Contractor shall provide the additional mounting hardware to allow for the CCTV camera to be mounted to the existing lighting ring. The camera mounting hardware shall be modified such that the camera dome is at an elevation below the existing lighting luminaires.

2.3 The cable shall be compatible with the existing pulley system in the pole. The cable shall be a shielded Category 5E or better Ethernet cable. No ground conductor is required. The length of the cable shall correspond to the distance between the junction box on the lighting ring and the handhole at the bottom of the pole. At the top end, the cable shall have any connectors that may be required for connection to the proposed surge protectors in the existing junction box on the lighting ring. At the bottom, the cable shall terminate in a single watertight connector designed for shielded Ethernet.

2.4 Wiring between the camera and the junction box on the lighting ring shall consist of a Category 5E or better Ethernet jumper and a bare # 14 gauge equipment bonding conductor. The Ethernet jumper shall have such connectors as may be required to mate with the surge protectors in the junction box and with the camera.

2.5 Wiring between the pole's handhole and the equipment cabinet shall consist of a shielded Category 5E or better Ethernet cable. On the pole end, the cable shall have a connector matching the one on the cable coming from the camera. On the other end, it shall be terminated to match

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the surge protectors in the cabinet. Wiring between the pole and cabinet shall also include an insulated # 6 stranded bond wire connecting the pole to the ground bar in the cabinet.

2.6 Ethernet surge protectors shall be:

- UL 497B listed
- Designed for shielded cable
- Suitable for power over Ethernet
- Able to withstand and dissipate surges of 10,000 amps
- Able to operate between -40 degrees and 74 degrees C
- Compatible with 100 Mbps operation.

3.0 Construction Requirements.

3.1 All mounting hardware shall be installed to limit vibration of the camera dome and to withstand wind and fatigue loads associated with high mast lighting towers.

3.2 Modification of the high mast lighting system shall not degrade the existing functionality of maintenance of the lighting ring and luminaires.

3.3 The contractor shall provide a proposed plan of work to the Engineer 14 days prior to commencing operations, and shall not perform any work concerning the modification of the high mast lighting system until this plan has been approved. The Contractor shall provide all wiring diagrams and shop drawings necessary to detail the installation.

3.4 The high mast lighting shall be fully functional from dusk until dawn throughout this project. The Contractor is responsible for ensuring that all work to modify the high mast lighting site can be completed in such time that the luminaires will be functional during the dusk to dawn hours.

3.5 Ground the shield for the shielded Ethernet cable at the equipment cabinet only, not in the junction box at the top of the pole.

3.6 Bond the pole to its ground rods, to the ground bar in the equipment cabinet, and to the ground bar in the lighting control center. If the equipment grounding conductor between the pole and the control center is missing, provide one meeting the requirements of the *National Electrical Code*.

3.7 Test the pole's grounding system using the three-point fall of potential method as described in IEEE Standard 81. During this test, disconnect the bond wires from the lighting control center and ITS equipment cabinet. If the resistance between the pole and the earth is greater than eight Ohms, add additional ground rods until the resistance is eight Ohms or less. Connect the ground rods to each other or the pole using # 6 bare copper wire. Use exothermic welds for all underground connections. Reconnect the bond wires from the lighting control center and equipment cabinet when this work is complete.

3.8 At the top of the pole, connect the equipment grounding conductor coming from the camera and the ground terminals of each surge protector to the lighting system ground bus in the junction box and ensure that the lighting system ground is connected to the ground lug at the base of the pole.

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3.9 In the handhole at the bottom of the pole, secure the cable that comes from the equipment cabinet so that it does not fall down inside the pole when it is disconnected from the cable that goes up the pole.

3.10 Perform testing of the functionality of the lighting system, as well as the IP CCTV camera.

4.0 Basis of Payment. Measurement and payment for tower modifications includes all splicing, wiring, surge protectors, ground rods, mounting hardware, connections, and testing, required for fully operational camera and lighting. Payment shall be made at the contract unit price for Item Number 910-99.01 "Modify High Mast Light Tower for CCTV Camera", lump sum.

END OF JOB SPECIAL PROVISION JSP-12

**JSP – 13
COOPERATION BETWEEN CONTRACTORS**

1.0 Description. Per Section 105.6 of MODOT's Standard Specification for Highway Construction, the Contractor shall ensure proper coordination with the contractors for an adjacent project.

2.0 Adjacent Project. MoDOT, the County of St. Charles and the City of St. Charles have an upcoming project to be install a new interchange at Muegge / Route 94 / Route 364 that will also add lanes to Route 94 between Muegge and Zumbahl.

3.0 Basis of Payment. No direct payment will be made to provide conformance to this section.

END OF JOB SPECIAL PROVISION JSP-13

**JSP – 14
VIDEO DETECTION SYSTEM**

1.0 Description. The Contractor shall furnish and install all equipment, materials, software and other miscellaneous items that are required to provide a fully functional Video Detection System for the control of vehicular and pedestrian traffic signals.

2.0 Material. The video detection system shall consist of power supply, hard-wired video cameras, all necessary video and power cabling with end connectors, mounting brackets, surge protection as recommended by the manufacturer, video detection processors/extension modules capable of processing the number of camera and phase combination video sources shown on the project plans. The video detection system will be defined as the complete assembly of all required equipment and components for detection of vehicles. Each video detection system shall consist of the video camera(s), lightning arrester for video cabling, processor unit(s), control device (track ball or keypad; no mouse allowed), software and license for system control via a computer (if applicable), communication components, and a color monitor. All camera views shall be obtainable without requiring the disconnection and reconnection of cables within the system. The video detection systems in the list below are the only systems that are tested, fully functional, and approved for use in the St. Louis District:

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1. Autoscope Vision
2. Iteris Vantage Next
3. Aldis Gridsmart Smart mount Camera (Performance Module to be included)

3.0 Installation Requirements. The video detection system shall be installed per the manufacturer's recommendations. The installer shall be certified by the video detection system's manufacturer to install the system. All coaxial cable runs (if used) shall be continuous without splice from the cabinet to the camera. If requested by the engineer, a factory certified representative from the supplier shall be available for on-site assistance for a minimum of one day during installation. The bottom of the video camera shall be mounted a minimum of 30 feet (9.0 m) above the pavement, unless otherwise indicated on the plans or approved by the Engineer.

A separate grounded 120 VAC service outlet shall be provided in the controller cabinet for supplying power to the parts of the video detection system requiring AC power. Use of the grounded service outlet located on the cabinet door will not be permitted. The video detection system must integrate/be compatible with an Advanced Transportation Signal Controller (ATC).

3.1 Detection Zones. The detection zones shall be created by drawing the detection zones on the video image. A graphical user interface shall be built into the video detection system and displayed on a video monitor or computer. It shall be possible to edit previously defined detector configurations to fine-tune detection zone placement. When a vehicle is detected by crossing a detection zone, there shall be a visual change on the video display, such as a flashing symbol or a change in color or intensity to verify proper operation of the video detection system.

3.2 Performance. Overall performance of the video detection system shall be comparable to inductive loops. Using camera optics and in the absence of occlusion, the video detection system shall be able to detect vehicle presence with 98% accuracy under normal day and night conditions with only slight deterioration in performance under adverse weather conditions, including fog, snow and rain. When visibility exceeds the capabilities of the camera, the video detection system shall default to placing a call on all detectors. Supportive documentation is required to meet this specification and shall be provided to the Engineer before installation.

3.3 Vehicle Counting. In addition to presence detection, the video detection system shall be capable of performing at a minimum the following calculations in real time and store all values for each camera view for any visible lane without the addition of another device:

- a) Speed
- b) Volume
- c) Lane Occupancy
- d) Vehicle Classification
- e) Other available performance measures

For speed calculations thru movements are required. Turning movement measurements are desired but not required. For volume measurements/calculations both mainline thru and all turning movements are required. All values are to be assigned to detector channels within the controller. If this requirement cannot be met all values must be able to be exported thru an excel

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spreadsheet. Other performance measures must be clearly defined. In all cases all performances measures must be ultimately available in an easily usable, exportable format. The contractor shall provide documentation to the Engineer to confirm the volumes are configured and operational through the video detection system.

3.4 Monitor. The monitor shall be an LCD active matrix with a minimum 7" diagonal screen color monitor, an NTSC-M system and BNC video in-out connections built into the housing. The unit shall be compact and lightweight, securely mounted to the cabinet shelving, have low power consumption, constructed to operate under extreme temperature conditions, and run on AC power. AC adaptor shall be included. The monitor shall be installed to automatically power on when the cabinet door is opened and automatically power off when the cabinet door is closed. A manual on/off switch shall be provided.

3.5 Video Camera and Housing. The camera shall produce a color video image of vehicles during daylight hours, with an optional production of black and white images during nighttime hours. The video shall produce a clear image for scenes with a luminance from a minimum range of 0.18 to 929 foot-candles (2.0 to 10,000 lux). The camera shall provide a minimum resolution of 430 lines horizontal (TVL) and 350 lines vertical under NTSC operation. The camera shall include an electronic shutter or auto iris control based on average scene luminance and shall be equipped with an auto iris lens, sun shield that prevents sunlight from directly entering the lens. The sun shield shall include a provision for water diversion to prevent water from flowing in the camera field of view and shall be able to slide forward and back. The total weight of the enclosure, camera, lens, housing, sun shield and mounting bracket shall be less than 10 pounds.

3.6 Video Detection System Connections. All bus connections in the video detection system shall be corrosion resistant. Serial communications to a computer shall be through an RS-232/RS-422 serial port through a subminiature "D" connector with a computer running supplied system software. The port shall have the capability to access detection system data as well as the real-time imagery needed to show detector actuations. The processor shall have a RJ-45 plug using Ethernet 10/100 protocols. The equipment shall be provided with either a NEMA TS1 or NEMA TS2 interface as shown on the plans.

For TS1 systems, the video detection system shall be equipped with a TS1 detector interface for a minimum of 16 detector outputs, or 32 detector outputs if required based on the design plans. Logic output levels shall be compatible with the TS1. A subminiature "D" connector on the video detection system shall be used for interfacing to these outputs. For TS2 systems, the video detection system shall be equipped with a TS2 Type 1 detector interface, where detector information is transmitted serially via an RS-485 data path. A 15-pin subminiature "D" connector, meeting the requirements of the TS2 standard, shall be used for the serial detector output. A minimum of 16 detector outputs is required, with the capability of expansion to 32 outputs if required based on the design plans.

The contractor shall be responsible for any changes or additions to either an existing or new cabinet in order to provide a properly functional video detection system and monitor display. This may include, but is not limited to, additional SDLC connectors, an MMU (malfunction management unit), shelf relocation and component reorganization. No direct pay for any changes or additions. All required connections will be considered part of the video detection system installation.

3.7 Warranty of Video Detection System. The video detection system shall be warranted to be free of defects in material and workmanship for a minimum of two years, with the cameras being warranted for the same for two years. During the warranty period, technical support from factory certified personnel or factory certified installers shall be available from the supplier. Ongoing software support by the supplier shall include updates for the processor unit and computer software and shall be provided at no cost during the warranty period. The update of the processor unit software to be NTCIP compliant shall be included.

4.0 Construction Requirements. Construction requirements shall conform to Sec 902.

5.0 Documentation and Testing. The contractor shall provide one bound copy and one pdf version of the user's manual.

6.0 Method of Measurement. Method of measurement shall conform to Sec 902.

7.0 Basis of Payment. Measurement and payment for work covered by this specification shall include all equipment, tools, labor, programming and materials necessary and shall be paid at the contract unit price for Item Number 902-49.75 "Video Detection System", per each.

END OF JOB SPECIAL PROVISION JSP-14

JOB SPECIAL PROVISION – 15 DETECTION SYSTEMS

1.0 Description. This provision covers the items listed below, consisting of furnishing and installing vehicle detection as indicated in the plans. All materials and work shall conform to Section 902 of the Missouri Standard Specifications for Highway Construction, current edition.

- **Advanced Detection:** This item shall consist of installing radar detection units, poles, foundations and associated cable and conduit. Radar units shall be used to supplement the video detection when it cannot adequately cover the parameters noted in the plans for advanced detection, due to roadway geometry.
- **Wireless In Pavement Detection:** This item shall consist of procuring and installing 33 wireless detection sensors and related equipment for spot detection in advanced measures for ATSPM data collection. Work shall also include programming of detectors. Additional cables, supplemental equipment, mounting brackets and miscellaneous hardware necessary for providing a fully functional unit should be considered incidental to this item. Exact placement of the wireless sensors will be directed by the MoDOT or St. Charles County inspector prior to installation. A record of the locations of all installed wireless sensors shall be provided to the County upon project completion.

2.0 Method of Measurement Measurement for these work items shall be as indicated below:

- **Advanced Detection System – Lump Sum** (to encompass both Route 94 locations)
- **Wireless In Pavement Detection System – Lump Sum** (to encompass both Route 94 locations)

3.0 Payment Payment will be considered full compensation for the excavation, labor, mounting hardware, and material necessary for installation and full functionality of these items and shall be included under the contract unit price for each item.

END OF JOB SPECIAL PROVISION JSP-15

JSP – 16
TRAFFIC SIGNAL MAINTENANCE & PROGRAMMING

1.0 Description. Traffic signal maintenance and timing for this project shall be in accordance with Section 902 of the Standard Specifications, and specifically as follows.

2.0 Existing Traffic Signals and Communication System

2.1 The contractor will provide at least 2 weeks notice to the engineer before removing the fiber optic connections at this intersection. If necessary, the Commission will provide the contractor digital cellular modems to be installed in signal cabinet. Once connected to the existing controllers and communication is established the contractor will be allowed to remove the fiber connection. The modem shall remain the property and maintenance of the Commission, and shall be returned once the project has been accepted. The contractor will be responsible for re-establishing communication through the modem to controller used at this location for the duration of the project.

2.2 Once any part of an existing traffic signal or its controller within the limits of this project has been modified or adjusted by the contractor, or the contractor makes any roadway changes to reduce the traffic capacity through a signalized intersection within the limits of the project, or the contractor begins work at an intersection with signals already in operation, the contractor shall then be solely responsible for that signal's controller programming and all signal maintenance as specified in 902.2 and 902.3, except for power costs, until Final Acceptance of the project.

2.3 The engineer shall provide to the contractor at the start of the project a detailed report on the existing phasing and timing of the traffic signal, which shall be the contractor's responsibility to program. The engineer shall be available to the contractor before any changes are made to a signal or controller to answer any questions about the report. Once the contractor has modified a signal or controller for any reason, the contractor shall be solely responsible for the existing timing plans and all subsequent timing changes.

2.4 The contractor will notify the engineer of the changes no later than 1 working day after changes are programmed if unable to provide advance notice as specified in 902.2.

2.5 CBB will submit any signal timing modifications to MoDOT for approval prior to field implementation

3.0 Construction Requirements. Construction requirements shall conform to Sec 902, 1061, and 1092.

4.0 Method of Measurement. Method of measurement shall conform to Sec 902.

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5.0 Basis of Payment. No direct payment will be made to provide conformance to this section.

END OF JOB SPECIAL PROVISION JSP-16

JSP – 17
ITS ASSET MANAGEMENT TOOL

1.0 Description. For all locations where any ITS (Intelligent Transportation System) components are existing, modified, or added to, the contractor shall be responsible for populating and updating Commission's fiber management tool to reflect the final condition of the entire ITS system within the project limits as shown on the plans. Updating shall be performed by Commission approved staff (currently NexusWorx).

2.0 Construction Requirements.

2.1 Contractor shall provide any relevant notes to a specific location that can be entered into the tool to aid in the understanding of the device configuration and location. At a minimum, this will include providing the required latitude and longitude coordinates of each pull box, DMS, CCTV, node cabinet, conduit, cable, and fiber, along with any serial numbers and/or identification information. The Contractor shall locate the conduit every 100 feet using a GIS locating device that is accurate to the nearest foot. The Contractor shall provide a GIS based map of the conduit route and a complete listing of all of map coordinates in an electronic format. Population of the fiber management tool will be required for all devices that have been installed to date as well as any devices installed under this contract.

2.2 The contractor shall furnish to Commission approved staff a copy of the final plans relevant to all of the ITS components in Visio and/or Microstation formats, if relevant.

2.3 The contractor shall be provided one licensed read-only access login by Commission before work begins.

3.0 Acceptance Testing.

3.1 All entries and updates shall be completely entered and available for use within 30 days from final acceptance of the project.

3.2 Commission staff shall verify population of the fiber management tool, including accuracy and completeness of details for each component prior to acceptance and payment.

4.0 Basis of Payment. Measurement and Payment for items covered by this specification include the population and acceptance testing, in addition to all materials and equipment necessary for a fully operational system and shall be paid at the contract unit price for Item Number 910-99.01 "ITS Asset Management Tool", Lump Sum.

END OF JOB SPECIAL PROVISION JSP-17

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JSP – 18
COORDINATION WITH ITS STAFF AND UTILITY LOCATES

1.0 Description. Any work that will impact the existing communications network must be coordinated with the Commission's St. Louis District ITS staff. This includes but not limited to removal and replacement of any existing communications equipment, adding new devices and changes to power sources or disconnects. Minor modifications to the existing communications network can have significant impacts on the system and operation of other ITS and traffic signal systems.

1.1 MoDOT is a member of MO-One-Call System. Prior to any excavation or work within MoDOT Right-Of-way, the contractor must contact MO-One Call at 1-800-DIG-RITE and request for Utility Locates within noted project limits. If the scope of work contains modification, addition and/or expansion of existing underground MoDOT ITS, lighting, or signal facilities, the contractor must notify the MoDOT Utilities Locate staff prior to any work, in order for MoDOT to update MoDOT utility location records with Missouri One Call.

2.0 Contact. Initial contact must be made at least seven calendar days before work that may impact the existing communications network commences. Contact the ITS staff via an email at SLITS@modot.mo.gov. The engineer shall be notified prior to making contact with ITS staff. For MoDOT Utility location updates, the contractor must contact MoDOT TMC at 314-275-1500 and ask for Utility Locate Section at least seven calendar days before performing any work.

3.0 The ITS and network devices located within the project limits are a crucial part of the traffic operation system for this area. It is imperative that the downtime be kept to a minimum when adding, removing, or modifying any existing ITS and network devices. This may require the contractor to perform work that will affect existing network devices during nighttime and/or weekend hours, at the discretion of the Engineer. Allowable timeframes for this work will be subject to the need for ITS devices in the area to be used to manage other traffic impacting workzones.

4.0 Basis of Payment. No direct payment shall be made for compliance with this provision.

END OF JOB SPECIAL PROVISION JSP-18

JSP – 19
NTCIP COMPLIANT CHANGEABLE MESSAGE SIGN (CONTRACTOR FURNISHED AND RETAINED)

1.0 Description. All solar powered changeable message signs, hereinafter referred to as a CMS, shall be in accordance with these specifications.

2.0 Material. Each CMS shall consist of an all LED (light emitting diode) matrix message board, solar/battery power supply and a user-operated interface, as specified, all mounted on a heavy duty, towable trailer.

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2.1 Each CMS shall be either Full Matrix or Character Matrix, and have the following minimum characteristics:

- (a) Full Matrix - Each CMS shall be the Full Matrix type with the capability of providing one, two, and three lines of individual changeable characters with minimum heights of 52 (1300), 28 (700), and 18 (450) inches (mm), respectively. Full Matrix signs shall be capable of both static and dynamic graphics, and full display sized messages.
- (b) Character Matrix (Three Line) – Each CMS shall consist of a minimum of three lines containing eight individual changeable characters per line. Each character shall be a minimum of 12 inches wide and 18 inches (450 mm) high.
- (c) Sign firmware shall comply with the current FHWA and DOT (Department of Transportation) NTCIP standards and support all NTCIP mandatory objects.
- (d) The sign controller shall be remotely accessible by the MoDOT St Louis District Transportation Management Center (TMC) through the Commission's ATMS (Advanced Traffic Management System) software, currently TransSuite provided by TransCore. The contractor will be responsible for ensuring the CMS is added to the ATMS software.
- (e) The CMS shall have a cellular data modem compatible with the district's current cellular IP (packet data) service provider and be capable of allowing the MoDOT St Louis District TMC ATMS software to have full control of the NTCIP compliant CMS controller remotely. Modem shall be capable of being programmed with a static IP.
- (f) The sign shall have a GPS unit that can assist in locating the sign's position when polled by the TMC. The GPS unit must be remotely accessible by the TMC and be part of or work with the provided communication modem.
- (g) Physical access to the onboard computer shall be protected by a padlock or other locking handle mechanism. Electronic access to the onboard computer shall be protected by a username and password.

2.2 Full matrix CMS and character matrix CMS shall meet the following:

- (a) The overall sign dimensions shall not be less than 72 inches (1800 mm) high x 126 inches (3150 mm) wide.
- (b) The CMS shall be legible up to a distance of 650 feet (200 m) for both day and night operations and shall be visible for ½-mile (800 m) with 18 inch (450 mm) characters.
- (c) When fully raised in the display position, the bottom of the CMS board shall be at least a height of 7 feet (2100 mm) from the ground and shall be able to rotate a complete 360 degrees atop the lift mechanism. A sight tube, used to aim the CMS board to oncoming traffic, shall be installed on the CMS board or mast. The CMS shall have an electrical-hydraulic lifting mechanism that includes a manual lifting and lowering relief mechanism as a backup. It also must be able to be locked into various viewing angles as determined best for the motorists by the CMS operator.

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- (d) All LED displays and control circuitry shall be operational from -20 F (-29 C) to 120 F (50 C). The LED's shall have a rated life of 100,000 hours. The LED's shall be ITE amber in color on a flat black background.
- (e) The CMS face shall be constructed that if an individual panel or pixel fails the rest of the face shall continue to display the message.
- (f) All costs and coordination needed for testing to verify modem communication, sign NTCIP compliance, remote GPS status polling, ability to control the sign via the St Louis District's ATMS software provided by TransCore shall be the sole responsibility of the Contractor. Full integration into TransCore's ATMS shall be completed at least 5 business days prior to use of the CMS in the project. TransCore contact information will be provided to the contractor by contacting MoDOT's Gateway Guide staff at 314-275-1526 or via email at ggtech@modot.mo.gov with details of the request. No other support shall be provided by MoDOT other than TransCore contact information. Information provided shall include, at a minimum, CMS make and model, IP address, and proposed locations and messages.
- (g) The Contractor shall be responsible for all monthly cellular service fees for the duration of the project.
- (h) The unit shall be able to withstand a 65-mph (105-kmph) maximum road wind speed. The trailer shall be able to support the fully extended CMS board in an 80-mph (130-kmph) wind load.
- (i) Solar charging system shall allow for total autonomy of 24/7/365 continuous operation.
- (j) All exterior surfaces except the sign face shall be cleaned, primed, and finished with two coats of Highway Safety Orange and the sign interior itself shall be cleaned and finished with one coat of corrosion inhibiting primer and two coats of flat black. The sign face shall be covered with a rigid translucent material to prevent damage to the sign face caused by the environment.

3.0 Construction Requirements. Prior to placing a CMS on a project, the engineer shall verify proposed CMS location is void of conflict with another DMS or CMS locations presently established. If a conflict is present, the engineer shall contact the Traffic Management Center (TMC) at 314-275-1526 to mitigate. If no conflict is present, engineer shall provide Traffic Management Center (TMC) with the Job Number, Route, County, specific CMS location, and a CMS identification number that is permanently affixed to the CMS. The engineer and contractor shall verify the message displayed on board is compliant with CMS messaging policies. The contractor shall place the CMS 6 feet [2 meters] off of the right edge of shoulder at the location shown on the plans or as directed by the engineer. The CMS shall be placed so that the right side of the unit is advanced approximately 3 degrees ahead with the direction of traffic. CMS shall not be located in medians. CMS shall be delineated with a minimum of five non-metallic channelizing devices. Installation, including location and placement, shall be approved by the engineer. If needed, the contractor shall relocate the CMS as directed by the engineer.

3.1 When not in use, the CMS shall be stored no closer than 30 feet [10 meters] to the edge of pavement carrying traffic, unless it is in a properly protected area or an off-site storage area or as otherwise directed by the engineer.

4.0 Basis of Payment. All expenses incurred by the contractor in integrating, maintaining, relocating, operating and protecting the changeable message signs as outlined above shall be incidental to the Traffic Control, Lump Sum pay item.

4.1 Cost for channelizers shall be included in the contract unit price for Traffic Control.

4.2 Cost for cellular phone hookup and monthly usage fee for the duration of the project shall be included in the contract unit price for Traffic control.

END OF JOB SPECIAL PROVISION JSP-19

JSP – 20
CONTRACTOR-FURNISHED AND INSTALL CLOSED CIRCUIT TELEVISION (CCTV)
ASSEMBLY

1.0 General.

1.1 Description. Install a Contractor furnished IP (Internet Protocol) closed circuit television (CCTV) assembly on an existing metal pole, and install a Contractor furnished power supply and surge protection in the existing cabinet. Provide cable connecting the camera to the equipment in the cabinet and to ground, set up the camera assembly, and test for proper operation.

1.2 Compatability. The St. Louis District is utilizing TransSuite as their Advanced Traffic Management System (ATMS) and all CCTV cameras must be able to integrate with the software and its related interfaces.

2.0 Materials.

2.1 Camera assembly, mounting bracket, power supply, and surge suppressors will be provided by the Contractor. The cable connecting the camera to the cabinet will also be provided by the contractor.

2.2 CCTV Camera. All CCTV cameras purchased and installed on this project shall be selected from the list below. These are the only CCTV cameras that are tested and fully functional with the version of TransSuite that the St. Louis District is currently operating (TransSuite version 19.4):

CCTV Manufacturer	Model	Connection Type
Cohu	4220HD RISE Dome	Outdoor cat5e
WTI	Viper H.264 HD30L	Outdoor cat5e
Axis	Q6155-E Dome	Outdoor cat5e
Bosch	MIC 7000i	Outdoor cat5e

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2.3 POE Injector. The Power Over Ethernet (POE) injector shall be of a make and model produced by the manufacturer of the camera. The POE injector shall operate on standard 120 VAC at 60 Hz electrical service and shall not be affected by transient voltages, surges, and sags normally experienced on commercial power lines. The POE injector shall have an operating temperature range of -40 degrees F (-40 degrees C) to 158 degrees F (70 degrees C).

2.4 Surge Protection. The cable between the POE injector and the camera assembly shall be protected by a surge protection device in the cabinet that meets the following requirements:

- a) UL listed and labeled to current editions of UL 497B and UL 497C
- b) Operating Temperature: -20 degrees F (- 28 degrees C) to 122 degrees F (50 degrees C)
- c) Operating Humidity: 95% RH non-condensing
- d) Wall, DIN rail or 19" rack mountable
- e) Three stage protection
- f) Maximum Continuous Operating Voltage: 44-52 V
- g) Data Rate: >100 Mbps
- h) Frequency: 125 MHz
- i) Surge Capacity: 10kA per mode (8x20 μ s)
- j) Maximum Let-Through Voltage <90Vpk

2.5 Cables. Provide CAT 5e outdoor rated cable to carry power, video, and camera control between the camera and POE injector. Between the POE injector and the Ethernet switch an outdoor rated CAT 5e patch cable with factory terminated connectors shall be used. These cables shall meet requirements of applicable manufacturers listed in Section 2.2 above.

2.6 Banding. Provide stainless steel bands to affix the mounting bracket to the pole. The banding shall be 1-inch wide, 0.044-inch thick, stainless steel.

3.0 Construction Requirements.

3.1 The contractor shall coordinate this work as well as any ITS (Intelligent Transportation System) network changes with MoDOT St Louis District ITS Group in advance via an email to SLITS@modot.mo.gov.

3.2 Install the dome so that the pole does not block the camera's view of traffic. Unless directed differently by the engineer, install the camera in the same position as the existing camera.

3.3 The contractor shall use the latest manufacture camera firmware.

3.4 To confirm the existing camera pole is sufficiently grounded, use a device that measures resistance to ground using the three-point fall-of-potential method to ensure that the resistance from the pole to ground does not exceed 8 ohms. If resistance exceeds the 8 ohms threshold report to the engineer.

3.5 Terminate all the cables on surge protectors, install the Contractor furnished power supply in the cabinet, and connect the camera power circuit to the power supply. Connect POE injector port to the existing Ethernet switch in the cabinet.

3.6 Restrict the camera's field of view, if necessary, so that a user cannot use the cameras to look in the windows of dwellings. To the extent that it does not interfere with the use of the camera for traffic management purposes, ensure that a camera cannot be used to view residential property. Prior to creating these restrictions, submit to the engineer a written description of the proposed restrictions to be installed at each camera, and the proposed method of achieving them. It shall not be possible for an operator to override these restrictions without intervention by his or her supervisor. Affixing a mask to the inside of the clear dome shall be an acceptable method to achieve this. Highlight situations in which there is a conflict between the need to protect privacy and the need to know about traffic situations. Revise the field of view restrictions as directed by the engineer.

3.7 Apply a rain repellent coating to the outside of the lower dome, following the coating manufacturer's instructions. The coating must be recommended by the CCTV manufacturer for use on their equipment.

4.0 Acceptance Testing.

4.1 Upon delivery of a shipment of camera assemblies, the Contractor shall conduct a visual inspection and test of the camera assemblies to check for manufacturing defects and shipping damage. The camera assembly shall be powered during this testing, and tests shall follow procedures developed by the manufacturer and approved by the engineer. The engineer will witness this testing and the contractor may witness this testing if he or she chooses. The Contractor shall be responsible for replacing all defective units uncovered by this testing.

4.2 After installing the camera assembly, test it using the same procedures used when the camera assemblies were delivered. In addition, demonstrate that the agreed upon viewing restrictions have been implemented. If the installed camera assembly fails to operate properly, and the problem cannot be fixed by changing the wiring or setup parameters, the camera assembly will be deemed defective and the contractor shall return it to the manufacturer for replacement at Contractor's expense. Except for costs borne by the manufacturer under their warranty agreement, the cost of replacement shall be borne entirely by the contractor.

4.3 SLITS Group shall inspect this CCTV assembly installation as well as the related network devices for proper operations prior to acceptance.

5.0 Basis of Payment. Measurement and payment for furnishing and installing the camera assembly installation includes testing, grounding testing, and all miscellaneous hardware and cable required for a safe, fully operational camera assembly. Payment shall be made at the contract unit price for Item Number 910-37.00 "Closed Circuit Television (CCTV) Assembly", per each.

END OF JOB SPECIAL PROVISION JSP-20

JSP – 21 FIBER OPTIC CABLE

1.0 General.

1.1 Description. This work shall consist of furnishing and installing fiber optic cables of composition, quantity and locations as indicated in the plans. The fusion splices, terminations and termination housings necessary for a fully functioning connection shall be included as part of the work and cost of this item.

2.0 Material.

2.1 Cable. Fiber optic cable shall be loose tube, dielectric cable. The cable shall be listed in the latest edition of the Rural Utilities Service (RUS) List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers, category oc-d-F, and shall have a short-term tensile rating of at least 600 lbs. The cable sheath shall have length markings in feet, and shall indicate that the unit of measure is feet. The cable shall have an operating temperature range of -40° C to 70° C.

2.1.1 All fibers shall be suitable for transmission using both 1310 nm and 1550 nm wavelengths. Attenuation shall not exceed 0.35 dB/km and 0.25 dB/km for 1310 nm and 1550 nm signals, respectively.

2.1.2 The cables shall be constructed with twelve fibers per tube.

2.2 Splice Tray. Splice trays shall be 11.7" long, 3.9" wide, and 0.2" tall. They shall be aluminum with clear plastic covers, designed for outdoor use. Each shall accommodate 24 fusion splices. The trays shall have a black powder coat finish. The trays shall have both perforations for cable ties and crimpable metal tabs for buffer tube strain relief.

2.3 Connector. Connectors shall be ST compatible, with ceramic ferrules. They shall be suitable for use in traffic cabinets and shall be designed for single mode fibers.

2.4 Pigtail. Pigtails shall be factory-made, buffered, and strengthened with aramid yarn to reduce the possibility that accidental mishandling will damage the fiber or connection. Pigtails shall be yellow. They must use the type of connector specified in Sec 2.3 of this provision. Each must contain one fiber. Length shall suffice to provide two feet of slack after installation.

2.5 Jumper. Jumpers shall meet the requirements for pigtails, but shall have a connector on each end. The second connector shall be as specified in Sec 2.3 of this provision except where a different connector is required for compatibility with the equipment to which the jumper connects. Length shall suffice to provide approximately five feet of slack after installation.

2.6 Patch Panel Module. Other contractors have equipped some cabinets with rack-mounted patch panel enclosures. Provide patch panel modules to increase the capacity of the enclosure, as needed. The modules shall be from the same manufacturer as the enclosure, and shall be compatible with the connectors specified in Sec 2.3 of this provision.

2.7 Rack-Mounted Interconnect Center. An interconnect center is a splice enclosure that has a patch panel built into one of its walls. Within the interconnect center, fibers in cables are

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spliced to pigtails and the pigtails are plugged into the patch panel from the inside. This allows jumper cables (not part of the interconnect center) to plug into the patch panel from the outside, connecting the fibers to equipment in the cabinet or to other fibers on the patch panel. Within an interconnect center, some fibers may be spliced to the corresponding fiber in a mating cable, rather than to a pigtail. Still other fibers may be coiled, un-terminated.

The enclosure shall have brackets and all other hardware required for rack mounting in an EIA standard 19-in. equipment rack. It shall take up no more than three rack units (1¾ inch each) in the cabinet. It shall have front and rear doors. It shall be made of powder-coated aluminum.

The enclosure shall hold at least four splice trays meeting the requirements of Sec 2.2 of this provision. Provide enough trays for all splices made in the interconnect center. The enclosure's patch panel shall have at least 24 positions, compatible with the connectors specified in Sec 2.3 of this provision. It shall have provisions for cable strain relief and for connector labeling.

2.8 Wall-Mounted Interconnect Center. An interconnect center is a splice enclosure that has a patch panel built into one of its walls. Within the interconnect center, fibers in cables are spliced to pigtails and the pigtails are plugged into the patch panel from the inside. This allows jumper cables (not part of the interconnect center) to plug into the patch panel from the outside, connecting the fibers to equipment in the cabinet or to other fibers on the patch panel. Within an interconnect center, some fibers may be spliced to the corresponding fiber in a mating cable, rather than to a pigtail. Still other fibers may be coiled, un-terminated.

The enclosure shall be designed for wall or panel mounting and occupy no more than 350 square inches of wall space. It shall be made of powder coated aluminum and have a gasketed, hinged door.

It shall have provisions for cable strain relief and for connector labeling.

It shall have a patch panel with at least 24 positions compatible with the connectors specified in Section 2.3 of this provision. It shall accommodate at least six splice trays as specified in Section 2.2 of this provision and shall be equipped with enough trays for all the splices made in the interconnect center.

3.0 Construction Requirements.

3.1 Cable Installation. Prior to installation, perform such tests as indicated in Sec 4.0 of this provision to confirm that the cable is in good condition and complies with the specifications. Any defects found after installation will be deemed the fault of the contractor.

3.1.1 Install the cable such that the optical and mechanical characteristics of the fiber are not degraded. Do not violate the minimum bend radius or the maximum tension, both during and after installation.

3.1.2 Before any cable installation is performed, provide the engineer with four copies of the cable manufacturer's recommended maximum pulling tensions for each cable size. These pulling tensions shall be specified for pulling from the cable's outer jacket. Also, provide a list of the minimum allowable cable bending radius and the cable manufacturer's approved pulling lubricants. Only those lubricants approved by the cable manufacturer will be permitted.

3.1.3 If the cable is pulled by mechanical means, use a clutch device to ensure the allowable pulling tension is not exceeded. Also, attach a strain gauge to the pulling line at the cable exit location, and at a sufficient distance from the take-up device, such that the strain gauge can be read throughout the entire cable pulling operation.

3.1.4 Do not leave the let-off reel unattended during a pull, in order to minimize the chance of applying excess force, center pull, or back feeding.

3.1.5 Use an approved lubricant, in the amount recommended by the cable manufacturer, to facilitate pulling the cable. After the cable has been installed, wipe the exposed cable in a pull box, junction box, or cabinet clean of cable lubricant with a cloth before leaving the pull box, junction box, or cabinet.

3.1.6 In every intermediate pull box, store 10 feet of slack fiber optic cable for every cable that passes through the pull box, unless otherwise noted on plans. Additional slack storage, as indicated on the plans, is required in designated pull boxes. At cabinet locations, where cable runs from the pull box directly to an equipment cabinet, store 60 feet of slack fiber optic cable in the pull box, unless otherwise noted on plans. Additionally, treat the cable returning from the cabinet to the pull box as a separate cable, and store 60 feet of slack for these links, unless otherwise noted on plans. Store slack cable neatly on the walls of the pull box using racking hardware acceptable to the engineer.

3.1.7 Seal the fiber optic cable ends to prevent the escape of the filling compound and the entry of water.

3.2 Splicing. Splice all optical fibers, including spares, to provide continuous runs. Splices shall be allowed only in equipment cabinets except where shown on the plans.

Methods below shall be followed for the various types of termination performed.

FUSION SPlice TERMINATIONS

This work shall consist of contractor furnishing and installing fiber optic fusion splice terminations as shown in the fiber splicing and cabinet details. Splices shall be performed using a fusion splicer that automatically positions the fibers using either the Light Injection and Detection (LID) system or the High Resolution Direct Core Mounting (HDCM) system. Provide all equipment and consumable supplies for this task. Secure each spliced fiber in a protective groove. Completely re-coat bare fibers with a protective room temperature vulcanizing (RTV) coating, gel, or similar substance, prior to insertion into the groove, so as to protect the fiber from scoring, dirt, or microbending. Use a different splice tray for each buffer tube color. If an enclosure contains multiple buffer tubes of the same color, but none of the fibers in one of the tubes are spliced to fibers other tubes of the same color, use a separate splice tray for that tube.

PIGTAIL TERMINATIONS

This work shall consist of contractor furnishing and installing fiber optic pigtails as shown in the fiber splicing and cabinet details. Pigtails themselves shall be factory-made, buffered, and strengthened with aramid yarn to reduce the possibility that accidental mishandling will damage the fiber or connection. Pigtails shall be yellow for single mode connections. They must be ST type connectors and contain one fiber each. Length shall suffice to provide two feet of slack after installation.

FIBER OPTIC CABLE JUMPER

This work shall consist of contractor furnishing and installing fiber optic cable jumpers as shown in the fiber splicing and cabinet details. Jumpers themselves shall be factory-made, buffered, and strengthened with aramid yarn to reduce the possibility that accidental mishandling will damage the fiber or connection. Jumpers shall be yellow for single mode connections. They must be ST type connectors and contain two fibers each. Length shall suffice to provide five feet of slack after installation.

All materials and work shall conform to Section 902 of the Missouri Standard Specifications for Highway Construction, current edition.

3.0 Method of Measurement.

Measurement for this item shall be per lineal foot.

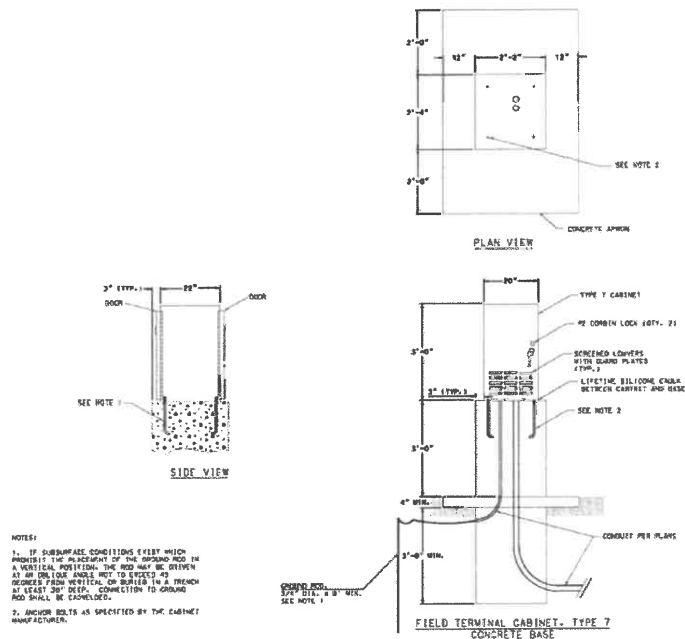
5.0 Basis of Payment.

Payment will be considered full compensation for all Contractor services, installation, and labor to complete the described work. All splices, terminations, jumpers and pigtails shall be included with this item. The work shall be compensated by the contract unit price under bid Item Number 910-99.03 "Fiber Optic Cable, 24SM", per lineal foot.

END OF JOB SPECIAL PROVISION JSP-21

JOB SPECIAL PROVISION – 22 ITS TYPE 7 CABINET

1.0 General This item shall consist of providing and installing a ground mounted, powered ITS cabinet and base. Coordination with utility company for service connection, foundation for the cabinet, and supplying all necessary internal components to accommodate the project (such as, but not limited to the fiber enclosure and network switch) will be considered incidental to this item. Conduit and power service cables are covered under separate pay item.



2.0 Basis of Payment The work shall be compensated by the contract unit price under bid Item Number 910-99.02 "ITS TYPE 7 CABINET", each.

END OF JOB SPECIAL PROVISION JSP-22

MODOT SPECIAL PROVISIONS

MoDOT and St. Charles County Standard Plans are not included in the construction plans but are included by reference. St Charles County Standard Plans shall be considered first in order of precedence, followed by the MoDOT Standard Plans. A listing of the necessary Standard Plans is included in the supplemental Standard Drawings section of these specifications. These drawings and specifications are intended to be so coordinated that any work included in one and not in the other, shall be executed as if included in both.

1. MODIFICATIONS TO THE MoDOT STANDARD SPECIFICATIONS

SECTION 109 – MEASUREMENT AND PAYMENT

Delete Section 109.9.1 Withholding of Retained Percentage, and replace with the following:

109.9.1 Withholding of Retained Percentage. Retainage of the CONTRACTOR's payment will not automatically be applied; however, the County may withhold payment for any of the following deficiencies, or for others as determined by the ENGINEER:

- ✦ liquidated damages
- ✦ unsatisfactory job progress
- ✦ defective construction work or material not remedied
- ✦ disputed work
- ✦ failure to comply with any material provision of the contract
- ✦ third party claims filed or reasonable evidence that a claim will be filed
- ✦ failure to make timely payments for labor, equipment or materials
- ✦ damage to a CONTRACTOR, subcontractor or material supplier
- ✦ reasonable evidence that a subcontractor or material supplier cannot be fully compensated under its contract with the CONTRACTOR for the unpaid balance of the contract sum
- ✦ citation by the enforcing authority for acts of the CONTRACTOR or subcontractor which do not comply with any material provision of the contract and which result in a violation of any federal, state or local law, regulation or ordinance applicable to that project causing additional costs or damages to the owner.

Delete Section 109.9.2 Release of Retained Percentage, and replace with the following:

109.9.2 Release of Retained Percentage. That portion of the CONTRACTOR's payment that is retained for project deficiencies, including but not limited to those identified in Section 109.9.1, shall be released upon correction of the deficiency prompting the retained payment to the satisfaction of the ENGINEER.

109.9.3 Delete Section 109.9.3 Release with Pending Claims SECTION 203 – UNSUITABLE SUBGRADE

Description: Unsuitable subgrade locations will be determined by the ENGINEER based on

field conditions. This Item Number will be paid at the unit price of \$35 per cubic yard according to Sec. 203.7.2 of the Standard Specifications.

The quantity on the bid form is an estimate; the actual quantity will be adjusted as determined by the amount of unsuitable material encountered, as determined by the ENGINEER. A change in quantity will not be considered as a basis for a claim by the CONTRACTOR.

SECTION 609 – ROCK LINING

Description: In accordance with Section 609.72 Materials, the following requirements shall be utilized for Type 2 Ditch Liner where indicated on the plans.

Type 2 Rock Ditch Liner shall consist of material with a predominant rock size of 6 inches (150 mm), a maximum rock size of 10 inches (250 mm) and a gradation such that no more than 15 percent will be less than 3 inches (75 mm).

SECTION 620.90 – EPOXY PAVEMENT MARKING MATERIAL

Add Section 620.90.3.3.9 to the *St. Charles County Standard Specifications for Arterial Highway Construction, 2006*:

620.90.3.3.9 On new asphaltic concrete pavement, cleaning operations shall not begin until after the new mat has reached ambient temperature. The extent of cleaning on new asphaltic concrete shall be such that 75 percent of the stone substrate is exposed.

SECTION 805 - SEEDING

Description: In accordance with Section 805.3.2, the following seed mixture shall be applied at the rate specified.

Pounds of Pure

<u>Seed Name</u>	<u>Live Seed/Acre</u>
Alta Fescue	50
Annual Ryegrass	30
Creeping Red Fescue	50
Sweet Clover	25

SECTION 806.30 – TEMPORARY DITCH CHECKS

Delete Section 806.30.2.1 of the *St. Charles County Standard Specifications for Arterial Highway Construction, 2006* and substitute the following:

806.30.2.1 Rock Ditch Checks. Rock ditch checks shall be constructed of clean rock with 60 percent of the pieces having a volume of 1 cubic foot or more. On the upstream side of the rock ditch check, 2 to 3-inch clean rock shall cover the face. If constructed in a dry ditch, the ditch check shall be 2.5 feet tall. If constructed in a stream with flowing or standing water, the

berm shall extend 2.5 feet above the surface of the normal water elevation as determined by the ENGINEER. Hand or mechanical placement will be allowed. Rock berms shall completely cover the ditch, swale, or stream, and the center of the rock ditch check shall be lower than the edges."

2. ADDITIONS TO STANDARD SPECIFICATIONS

2.1 Gateway Green Light: Traffic Signal Equipment and Communication Upgrades SPECIFIC REQUIREMENTS

2.1.1 Traffic Control and Detours

2.1.1.1 The handling of traffic shall be the responsibility of the CONTRACTOR and shall consist of furnishing, locating, and maintaining all barriers, warning lights, signs, flagmen, and other work and materials which may be required to properly protect the work and provide safety to the public. Battery type flashers will be used by the CONTRACTOR in areas he deems necessary; however, no direct payment shall be made for flashers. Such devices shall be organized following the guidelines of the "Manual on Uniform Traffic Control Devices" (MUTCD).

2.1.1.2 Roadways shall remain open at all times during construction except for short intervals of time when the movement of the CONTRACTOR'S equipment will seriously hinder the safe movement of traffic. Periods during which the CONTRACTOR will be allowed to halt traffic shall be as authorized by the ENGINEER. Two- way traffic shall be maintained when specified by the use of temporary pavement, ramping of drives and streets, and gapping of pavement placement. The use of high-early strength concrete pavement or other means may be used to maintain two-way traffic at the CONTRACTOR'S request, if approved by the ENGINEER.

2.1.1.3 Except during working hours, the CONTRACTOR shall not park vehicles or store equipment or materials within 30 feet of the edge of pavement carrying traffic, unless the equipment, vehicles, or materials are located in a properly protected area or an off-site storage area or as otherwise directed by the ENGINEER.

2.1.1.4 In addition to Section 616 of the Standard specifications, when two- way vehicular traffic is handled over a single lane, each flagger (minimum of 2) involved in controlling traffic through and along the work area shall be equipped with a portable transceiver radio when not within sight of each other. Under NO circumstances shall two-way traffic be handled over a single lane without the proper flagmen in place each equipped with a stop-slow hand signaling device meeting the requirements of the MUTCD.

2.1.1.5 The ENGINEER shall have the authority to limit or cease any of the CONTRACTOR'S operations which, in his opinion, may hamper or impede the safe flow of traffic.

2.1.1.6 Appropriate signs shall be provided and maintained by the CONTRACTOR throughout the project per Part VI of the Manual on Uniform Traffic control Devices. The number of signs, locations, and wording shall be approved by the ENGINEER before installation.

2.1.1.7 Traffic control devices shall conform to latest edition of MODOT Standard Specification Sections 612, 616, 617, and 620. The CONTRACTOR shall maintain traffic during construction in accordance with MODOT Standard Specification Section 104.7.

2.1.1.8 The CONTRACTOR shall provide access to driveways at all times unless approval has been otherwise given by the property owner. Proof of such approval must be provided to the ENGINEER.

Method of Measurement and Payment

2.1.1.9 The work provided herein will not be measured for payment, as it will be considered incidental to the contract, except for channelizers, construction signs, Type III movable barricades, temporary asphalt pavement, and temporary signing and striping. These items will be paid for at the contract unit price indicated in the bid form. Furnishing, installing, relocating, and maintaining all traffic control devices not included under other bid items including warning lights, flagmen, and other work and materials which may be required to properly protect the work and provide safety to the public will not be paid for separately and shall be considered incidental.

2.1.1.10 The placement of channelizers, signage, etc. shall be in the proper quantity and spacing as specified in the MUTCD and/or Standard Specifications.

2.1.1.11 Construction signs will be paid for at the unit bid price for providing the signs and initial placement on the project. Maintenance of the construction signs and relocations within and between stages will be considered incidental to other contract work.

2.1.1.12 Type III movable barricades will be paid for at the unit bid price for providing the barricades and initial placement on the project. Maintenance of the barricades and relocations within and between stages will be considered incidental to other contract work.

2.1.1.13 Temporary striping will be paid for at the unit bid price for placement of temporary striping. Removal of temporary striping shall be incidental to the price for temporary striping and no additional payment shall be paid for removal.

2.1.1.14 No payment will be made for any temporary work (pavement repair, steel plates, etc.) associated with staging of sewer construction.

2.1.1.15 Temporary, short term, daytime closures of one lane of the existing roadways may be permitted for the placement of storm sewers, paving operations and other types of work, provided the proper signage and flagmen are in place. Operations will be immediately suspended should traffic restrictions be attempted on the existing roadway without the necessary flagmen being in place and properly equipped. No further payment will be made on the project until the CONTRACTOR has provided to the County sufficient proof that proper flagging procedures will be followed during any future operations requiring it.

2.1.1.16 In addition to the requirements spelled out under Paragraph 2.4 of this section, the CONTRACTOR is hereby advised that regular (no less than twice weekly) checks of the traffic control devices placed under this contract shall be conducted. The CONTRACTOR shall take immediate action to correct any devices found to be missing, out of place, or in

need of repair or cleaning. Failure to correct any deficiency, whether found by the CONTRACTOR or as notified by the County, will result in the removal of any payment for traffic control devices (construction signs and moveable barricades) from the CONTRACTOR'S invoice until such time the corrections are made and the devices are in place according to the original plan, or any approved modification thereof.

2.1.1.17 No traffic switch can be made unless the necessary striping, whether temporary or permanent, is in place. Sufficient notice must be given to the County to allow proper notification to be made regarding the proposed traffic switch.

2.1.2 Erosion Control Monitoring

Regular maintenance of the erosion control measures must be performed to ensure that property off the right-of-way is not impacted by runoff from the project. Failure to properly maintain the erosion control structures may be cause for suspension of work by the County until the necessary corrections are made. In accordance with Standard Specifications Paragraph 105.1.2 "Suspension of Work", any suspension will be considered non-excusable and non-compensable and the calendar day count will continue.

2.1.3 CONTRACTOR Safety Officer

In cases of calls from the County Sheriff's Department or other public safety agencies regarding public safety hazards arising from or related to the work performed under this contract, the County will first try to contact the CONTRACTOR's on-site representatives (Superintendent or Project Manager) for correction. When unable to reach the on-site representatives, or in cases where they are non-responsive, the County will contact the Safety Officer. It will be the responsibility of the Superintendent, Project Manager, or Safety Officer to take the actions necessary to immediately correct the public safety concerns identified, regardless of the day or time.

2.1.4 Utility Coordination

2.1.4.1 The CONTRACTOR is hereby notified that utility relocations may be necessary on this project and may, or may not, be in various stages of completion. As a result, the CONTRACTOR acknowledges and should be fully prepared for his operations to be impacted by conflicts of varying degree. As required by Sections 102.5.5 and 105.7 of the Standard Specifications, the CONTRACTOR shall be responsible for contacting utilities and coordinating his work with the ongoing relocations.

2.1.4.2 Should a level of conflict arise whereby the utility relocation work requires a temporary suspension of work due to its impact on the CONTRACTOR'S major operation of work, an adjustment of the contract time for completion of work will be made by utilizing the weighted time table.

2.1.4.3 Suspension of work will only be given where the utility conflicts are such that the CONTRACTOR'S major operation is impacted enough to prevent reasonable progress. Reasonable effort to work around the conflict will have to be shown by the CONTRACTOR before any suspension of work will be considered by the ENGINEER.

2.1.4.4 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:

Ameren UE (Electric) 2100 Bluestone Drive St. Charles, MO 63303 (636) 925-3236	AT&T/SBC (Telephone) 402 North Third Street St. Charles, MO 63301 (636) 949-1315
Charter Communications (Cable) 941 Charter Commons Drive Town & Country, MO 63017 (636) 387-6643	City of St. Charles Sewer & Water 200 North Second Street St. Charles, MO 63301 (636) 949-3237

2.1.4.5 The County does not warrant that the above listing or the depiction of utility lines or facilities on other bidding documents are complete or accurately reflect either all utilities or their precise locations within or adjacent to the project limits or the status of any relocation work.

2.2 *PREVAILING WAGE RATE*

The Federal Government is participating in the cost of construction of this project. This contract requires payment of the prevailing hourly rate of wages for each craft or type of worker required to execute the contract as determined by the Federal Wage Rates (Department of Labor and Davis Bacon Rates) or the State Wage Rates, whichever is higher for any given trade.

2.3 *CONTRACT TIME FOR COMPLETION OF WORK*

2.3.1.1 Completion of this contract shall be in accordance with Section 108.7 and will be administered by a calendar day completion basis. Completion is defined as 100% of the contract items completed including correction of deficiencies.

2.3.1.2 Regardless of when the work is begun on this contract, all work shall be completed within 180 Calendar Days from the date of the written Notice to Proceed.

2.3.1.3 Should the CONTRACTOR, or in case of default, the surety fail to complete the work within the calendar days specified, a deduction in the amount of \$1,200 will be made for each and every calendar day that the contract remains uncompleted in accordance with the requirements of Section 108.8.

2.4 *WORK ZONE TRAFFIC MANAGEMENT PLAN (JSP-02-06B)*

2.4.1 Description. Work Zone Traffic Management shall be in accordance with applicable portions of Division 100 and Division 600 of the Standard Specifications, and specifically as follows.

2.4.2 Traffic Management Schedule

2.4.2.1 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, hours traffic control will be in place, and work hours.

2.4.2.2 The CONTRACTOR shall notify the ENGINEER no less than seven (7) days in advance prior to lane closures or shifting traffic onto detours.

2.4.2.3 The ENGINEER shall be notified as soon as practical of any postponement due to weather, material, or other circumstances.

2.4.2.4 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.

2.4.2.5 The CONTRACTOR shall be responsible for maintaining the existing traffic flow through the job site during construction. If disruption of the traffic flow occurs and traffic is backed up in queues of 15 minute delays or longer, then the CONTRACTOR shall review the construction operations which contributed directly to disruption of the traffic flow and make adjustments to the operations to prevent the queues from occurring again

2.4.3 Work Hour Restrictions

2.4.3.1 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 a.m. on the first working day subsequent to the holiday.

2.4.3.2 The CONTRACTOR shall not perform any construction operation on the roadway, including the hauling of material within the project limits, during restricted periods, holiday periods, or other special events specified in the contract documents.

2.4.4 Lane Closures. The County may utilize changeable message sign(s) to assist the CONTRACTOR in notifying motorists of future traffic disruption and possible delays one week prior to lane closures. The changeable message sign(s) shall be installed at a location as approved or directed by the ENGINEER.

2.4.5 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 documents.

2.5 SPECIAL DRAINAGE CONSIDERATIONS:

CONTRACTOR will make provisions to alleviate any temporary flooding caused by staging of work. The CONTRACTOR shall provide temporary ditches, temporary covers over storm structures, temporary connections to completed storm sewer systems or pumping as necessary to ensure that, at a minimum, one ten (10) foot wide traffic lane exist at all times in the direction of traffic. Under two-way traffic conditions two ten (10) foot lanes are required. Only one 10-foot lane is required for authorized one-way sections. Payment for the

maintenance of traffic shall be considered incidental to the work and no direct payment will be made for the installation or removal of any measure necessary to fulfill the intent of this section.

Water covering more than five (5) feet of the travel lane or greater than or equal to three (3) inches in depth on the roadway surface will not be allowed.

The CONTRACTOR should be prepared to provide this maintenance 24 hours a day, 7 days a week, as necessary from the Contract NTP until Final Acceptance.

2.6 REMOVAL OF IMPROVEMENTS

Description. This work shall consist of the removal and disposal of all existing improvements on each parcel, except those designated or permitted to be left in place or to be removed under other items of work, from the right of way and within the limits of any construction easement outside the right of way, in accordance with Section 202 of the Standard Specifications.

Removal of improvements shall include all items listed in Section 202.12.2 as well as uncontaminated storage tanks, signs, fences, and any other miscellaneous items that may interfere with the proposed improvements.

Construction Requirements. Regulated solid waste, including waste tires, must be handled, transported and disposed of in accordance with the Missouri Solid Waste Management Law, 260.200 - 260.345, RSMO., and its regulations. Documentary proof of proper transport and disposal of this waste (e.g., sale tickets, cancelled checks and/or receipts) shall be forwarded to MDNR. Documentary proof and information regarding compliance with the Solid Waste Management Law and regulations may be directed to MDNR's Solid Waste Management Program.

All salvaged material shall become the property of the CONTRACTOR and shall not be stored upon the right of way, nor shall any portion of the right of way be used by the CONTRACTOR as a sales yard. All discarded material or debris shall be disposed of at locations furnished by the CONTRACTOR or at locations on the right of way approved by the ENGINEER.

Pavement, sidewalks, curbs, etc. shall be removed to the nearest joint or clean saw cut, in accordance with the details shown on the plans. Pavement shall be removed only as required for construction of the improvements. Any pavement removed unnecessarily shall be replaced at the CONTRACTOR'S expense.

All above ground concrete and masonry improvements, fences, posts, as well as other structures on the parcel, shall be removed to adjacent surface grades.

All trees, shrubs or other vegetation within the limits of the CONTRACTOR'S backfilling operations shall be removed and disposed of in accordance with Section 201.

Any item left in place for use by the public or an adjoining property OWNER that is damaged due to the CONTRACTOR'S operations, the item shall be repaired or replaced in a manner satisfactory to the ENGINEER and in accordance with Section 107.12.

Only approved materials free of trees, stumps, rubbish and any other deleterious materials shall be used in the construction of backfills. Rock, broken concrete or other solid material shall not be placed in bridge fill slopes or areas.

The CONTRACTOR shall leave in place any walls or structure that retains adjacent property to ensure lateral support to that property. In addition, any wall perpendicular to and connected to said wall or structure shall remain in place and connected to the wall for a distance at least one-half the height of the wall. The slope of the top of the perpendicular wall shall be one-half horizontal to one vertical (1/2:1) (1:1/2), or flatter, sloping downward from the top of the wall or structure.

The CONTRACTOR shall exercise great care during removal operations to avoid damage to these adjacent structures. If damage occurs, the CONTRACTOR shall repair or replace the structures to the specifications above, or to a condition which ensures lateral support to the adjacent property. The repairs or replacements shall be reviewed in advance by the ENGINEER.

In the event the CONTRACTOR encounters what is reasonably suspected to be a hazardous material, the CONTRACTOR shall immediately cease working on the parcel and notify the ENGINEER. The CONTRACTOR may continue working on the parcel only after receiving notification from the ENGINEER that the suspected material is not hazardous or that the hazardous material has been abated.

Basis of Payment. Removal of all improvements, as described above, including flexible and rigid pavement removal required for construction of the storm drainage system, new pavement widening and other improvements, sidewalks, curb and gutter, drive entrances, inlets, inlet stones, mailboxes, etc. in connection with the Work shall be paid for contract unit lump sum price for REMOVAL OF IMPROVEMENTS, and no additional compensation will be allowed.

2.7 FULL DEPTH SAW CUT

Description. This work shall consist of Saw Cutting as required to complete the removals described in Removal of Improvements.

Construction Requirements. All saw cuts for removals shall be full depth.

Basis of Payment. Saw cuts will be paid for at the contract unit price per lineal foot for FULL DEPTH SAW CUT.

2.8 CLEARING AND GRUBBING

Description. This work shall consist of Clearing and Grubbing and shall be in accordance with Section 201 of the Standard Specifications. The CONTRACTOR is advised that Clearing and Grubbing operations shall begin within five (5) days of the Notice to Proceed date given for this project.

Construction Requirements. Where tree removal conflicts with existing underground utilities, the CONTRACTOR shall cut the tree off at the ground line and grind the stump as directed by the ENGINEER.

Method of Measurement. The work provided herein will not be measured for payment but will be considered a lump sum unit. This work shall include all areas necessary to be cleared and grubbed to complete the project.

Basis of Payment. The accepted clearing and grubbing will be paid for at the contract unit lump sum price for CLEARING AND GRUBBING.

2.9 UNCLASSIFIED EXCAVATION

Description. This work shall consist of excavation, placement, and compaction of materials within the project limits in accordance with Section 203 of the Standard Specifications.

Construction Requirements. Excess excavated materials from initial stages may need to be stockpiled for use in later stages of the project. It is the responsibility of the CONTRACTOR to determine the best location for storage of the excess material and the amount of material that will be needed for each stage of the project. No additional compensation will be allowed for stockpiling excess material for later use.

Basis of Payment. This work shall be paid for at the contract unit price per cubic yard for UNCLASSIFIED EXCAVATION.

2.10 REMOVE EXCESS EARTHWORK (HAUL OFF)

Description. This work shall consist of the proper disposal of excess materials within the project limits not needed in the construction in accordance with Section 203 of the Standard Specifications.

Construction Requirements. The CONTRACTOR shall comply with all of the disposal requirements as specified in Section 203 of the Standard Specifications and no additional compensation will be allowed for complying with these requirements for materials that do not meet the "clean fill" definition.

Basis of Payment. This work shall be paid for at the contract unit price per cubic yard for HAUL OFF.

2.11 GRAVEL (A) – DRIVEWAY

Description. This work shall consist of furnishing, placing, and compacting an aggregate surface course for driveways in accordance with Section 310 of the Standard Specifications.

Materials. Aggregate for this work shall be Type 5, per Section 1007.3

Construction Requirements. Shaping and compaction of aggregates shall be in accordance with Section 304.3.5 of the Standard Specifications.

Basis of Payment. This work shall be paid for at the contract unit price per square yard for GRAVEL (A) – DRIVEWAY.

2.12 REMOVALS AND RELOCATIONS

Description. This work shall consist of the removal and satisfactory relocations of items identified to be removed and relocated on the plans.

Construction Requirements. The CONTRACTOR shall verify those items to be removed and relocated with the ENGINEER in the field, before any items are removed.

Existing materials shall be carefully disassembled to prevent damage. All material, which is not satisfactory for re-use, in the opinion of the ENGINEER, shall be replaced and payment will not be made. All material, which is damaged by the CONTRACTOR due to his negligence, shall be replaced by the CONTRACTOR at his expense. Material used for replacement shall be the same kind as, or equal to, the material being replaced. All material not used shall become the property of the CONTRACTOR.

Items that shall be removed and not immediately relocated on the project shall be stored by the CONTRACTOR at no additional cost. The CONTRACTOR shall be responsible for any damage incurred to the removed items during removal, transport, storage, and relocation. Items damaged shall be replaced by the CONTRACTOR at his expense.

Basis of Payment. This work will be paid for at the lump sum contract price for REMOVALS AND RELOCATIONS.

2.13 PERMANENT SIGNS

Description. This work shall consist of furnishing and installing high intensity prismatic (H.I.P.) sheeting street signs on posts at the locations shown on the plans, in accordance with MUTCD standards and Sections 903 and 1042 of the Standard Specifications.

Basis of Payment. This work will be measured and paid for at the contract unit price per square feet for PERMANENT SIGNS, which price shall include furnishing and installing the sign panel, support channels, mounting hardware, and posts and no additional compensation will be allowed.

2.14 GEOSYNTHETIC INTERLAYER SPECIFICATION FOR HIGHWAY APPLICATIONS JSP-04-01

2.14.1 Description. This work shall consist of furnishing and placing a geosynthetic interlayer within the pavement structure as shown on the plans or directed by the ENGINEER. The geosynthetic interlayer shall provide a moisture barrier/stress relieving membrane and shall be placed beneath a hot-mix asphalt (HMA) overlay.

2.14.2 Material.

2.14.2.1 Geosynthetic Interlayer. The geosynthetic interlayer shall consist of geosynthetic material, saturated with asphalt binder.

2.14.2.1.1 Geosynthetic Material. The geosynthetic material shall be of the system specified on the plans and in accordance with Appendix A: Geosynthetic Material.

2.14.2.1.2 Tack Coat. The tack coat material for the geosynthetic material shall be a PG 64-22 asphalt binder, unless the manufacturer of the geosynthetic material recommends a higher performance grade asphalt binder. The asphalt binder shall be in accordance with Sec 1015. No emulsions will be allowed.

2.14.2.2 Clean Sand. Clean sand shall be sand meeting Sec 1005.2 or a washed sand meeting the approval of the ENGINEER.

2.14.3 Equipment. Equipment used to place the asphalt tack on the geosynthetic material, to install the geosynthetic material or to roll the geosynthetic material into the tack coat shall be in accordance with the manufacturer's recommendations.

2.14.4 Construction Requirements.

2.14.4.1 The geosynthetic material shall be stored as per the manufacturer's recommendations in a dry covered condition free from dust, dirt and moisture.

2.14.4.2 The geosynthetic material shall be installed in accordance with the manufacturer's specifications and this specification. Where a conflict exists between the specifications, the more stringent specification will apply. A copy of the manufacturer's specifications shall be provided to the ENGINEER at the pre-construction meeting or no later than five working days prior to installation.

2.14.4.3 A manufacturer representative shall be present, at minimum, for the first two days of installation of the geosynthetic interlayer and available thereafter upon request by the ENGINEER.

2.14.4.3.1 This requirement may be waived by the ENGINEER under the following conditions:

(a) The CONTRACTOR has been certified by the manufacturer for installation of the geosynthetic material.

(b) A copy of the written certification is provided to the ENGINEER and the CONTRACTOR certification is approved by the ENGINEER prior to installation of any material.

2.14.4.3.2 If a manufacturer representative has been waived in accordance with Section 4.3.1, the ENGINEER will still maintain the right to require a representative to be present if the ENGINEER deems it necessary due to poor installation practices by the CONTRACTOR.

2.14.4.4 The surface on which the geosynthetic material is to be placed shall be reasonably free of dirt, water, vegetation or other debris. The geosynthetic interlayer shall be placed on a drainable surface, and any rutting or low spots in the pavement shall be removed by milling or by the use of a leveling course as shown on the plans. Cracks exceeding 1/8 inch (3 mm) in width shall be filled with suitable crack filler. Potholes shall be properly repaired as directed by the ENGINEER. Fillers shall be allowed to cure prior to placement of the geosynthetic material.

2.14.4.5 Neither the asphalt binder nor the geosynthetic material shall be placed when weather conditions, in the judgement of the ENGINEER, are not suitable. Air and pavement temperatures shall be sufficient to allow the tack coat to hold the geosynthetic material in place. The air temperature shall be 50 F (10 C) and rising for placement of the asphalt tack coat.

2.14.4.6 The specified application rate of tack coat shall be sufficient to satisfy the asphalt retention properties of the geosynthetic material and to bond the geosynthetic material and HMA overlay to the existing pavement.

2.14.4.7 Application of the tack coat shall be by a calibrated distributor truck spray bar. Hand spraying, squeegee and brush application will only be allowed where the distributor truck does not have room to operate and shall be kept to a minimum. Temperature of the tack coat shall be sufficiently high enough to permit uniform spray pattern and shall be at minimum 290 F (145 C). To avoid damage to the geosynthetic material, distributor tank temperatures shall not exceed 325 F (163 C).

2.14.4.8 The target width of the tack coat application shall be the geosynthetic material width plus 6 inches (150 mm). Tack coat application shall be wide enough to cover the entire width of geosynthetic material overlaps. The tack coat shall be applied only as far in advance of the geosynthetic material installation as is appropriate to ensure a tacky surface at the time of the geosynthetic material placement. Traffic shall not be allowed on the tack coat.

2.14.4.9 The geosynthetic material shall be placed onto the tack coat with minimum folds or wrinkles and before the tack coat has cooled and lost tackiness. As directed by the ENGINEER, wrinkles or folds in excess of 1 inch (25 mm) shall be slit and laid flat or pulled out and replaced. In these repaired areas, additional tack coat shall be applied as needed to achieve a sound bond to the substrate. Damaged geosynthetic material shall be removed and replaced, per the manufacturer's recommendations, at the CONTRACTOR's expense with the same type of material.

2.14.4.10 Overlap of geosynthetic material joints shall be sufficient to ensure full closure of the joint but shall not exceed 6 inches (150 mm). Transverse joints shall be lapped in the direction of paving to prevent edge pickup by the paver. A second application of tack coat shall be placed beneath the overlapping geosynthetic material to ensure proper bonding of the double material layer.

2.14.4.11 Brooming, squeegee or pneumatic rolling shall be used to remove any air bubbles and to maximize geosynthetic material contact with the pavement surface and shall be done in accordance with the manufacturer's specifications and to the satisfaction of the ENGINEER.

2.14.4.12 Excess tack coat that bleeds through the geosynthetic material shall be removed by broadcasting clean sand or other material approved by the ENGINEER on the geosynthetic interlayer. Broadcasting of clean sand may also be used to facilitate movement of equipment during construction, to prevent tearing or delamination of the geosynthetic material or to prevent pickup by the paving machine. If sand or other approved material is applied, any excess material shall be removed from the interlayer prior to placing the HMA overlay. Scattering loose HMA mix out in front of the paver tires will also be permissible. No other material, such

as asphalt release agents or diesel, shall be used for this purpose.

2.14.4.13 No traffic, except necessary construction traffic or emergency vehicles, shall be driven on the geosynthetic interlayer, unless approved by the ENGINEER. If traffic on the interlayer is approved by the ENGINEER, clean sand shall be lightly broadcasted over the geosynthetic interlayer, and any loose sand shall be removed prior to paving.

2.14.4.14 Placement of the first lift of the HMA overlay shall closely follow placement of the geosynthetic interlayer. All areas in which the geosynthetic interlayer has been placed shall be paved during the same day, unless approved otherwise by the ENGINEER. In the event of rainfall on the geosynthetic interlayer prior to the placement of the first HMA overlay lift, the geosynthetic interlayer shall be allowed to dry before the HMA is placed. The compacted thickness of the first lift of the HMA overlay on the geosynthetic interlayer shall not be less than 1.5 inches (38 mm), and the temperature of the mix at placement shall not exceed the geosynthetic material melting point temperature, unless approved otherwise by the ENGINEER. Approval by the ENGINEER may be based upon a test strip or evaluation of the material when taking QC/QA cores. Where the total HMA overlay thickness is less than 1.5 inches (38 mm), geosynthetic material shall not be placed.

2.14.5.0 Method of Measurement. Measurement for furnishing and installing the geosynthetic interlayer will be made to the nearest square yard of pavement specified to be covered.

2.14.6.0 Basis of Payment. The accepted quantities of geosynthetic interlayer will be paid for at the unit price for each of the pay items included in the contract.

Item No.		Type	Description
403-99-05	1.0	SQUARE YARDS	SYSTEM A GEOSYNTHETIC INTERLAYER (NON-WOVEN PAVING FABRIC OR PAVING MAT)

Geosynthetic Material

2.14.7 Scope. This specification covers geosynthetic material, which is to be saturated with asphalt binder to form a geosynthetic interlayer, for use as a moisture barrier and a stress relieving membrane within the pavement structure.

2.14.8 Acceptance. Acceptance of the material will be based on the manufacturer's certification and upon the results of such tests as may be performed by the ENGINEER.

2.14.9 Material.

2.14.9.1 System A Geosynthetic Material. System A shall be a non-woven paving fabric composed of 85 percent or more polyolefin, polyester or polypropylene fibers. The paving fabric shall meet the following requirements:

Property	Test Method	Requirements ^a
Grab Strength	ASTM D 4632	100 lbs. (450 N)
Ultimate Elongation	ASTM D 4632	≥50 %
Weight (Mass) per Unit Area	ASTM D 5261	4.0 oz./s.y. (135 g/m ²)
Asphalt Retention ^{b, c} , Min.	ASTM D 6140	0.20 gal./s.y. (0.9 l/m ²)
Melting Point, Min.	ASTM D 276	300 F (150 C)

- a. All numeric values shall represent Minimum Average Roll Values (MARV) in the weaker principle direction.
- b. The asphalt binder retention value shall be the amount required to saturate the paving fabric only. Asphalt retention shall be provided in the manufacturer's certification. Numerical value does not indicate the asphalt application rate required for construction.
- c. Product asphalt retention property shall meet the specified MARV value.

2.14.10 Prequalification. Prior to approval and use of this material, the manufacturer shall submit to Construction and Materials a certified test report showing specific test results from an independent laboratory in accordance with all requirements of these specifications. The certified test report shall contain the manufacturer's name, brand name of material, lot tested and date of manufacture. In addition, the manufacturer shall submit a one square yard sample for laboratory testing accompanied by a technical data sheet and an MSDS. New certified test results and samples shall be submitted any time the manufacturing process or the material formulation is changed and may be required when random sampling and testing of material offered for use indicates nonconformity with any of the requirements specified. Those products that have been prequalified can be found in Field Section 1011 Table 2 and may be used on projects upon acceptance of the material in accordance with Section 5.0.

2.14.11 Certification. The CONTRACTOR shall furnish a manufacturer's certification to the ENGINEER for each lot of material furnished stating the name of the manufacturer, the chemical composition of the filaments or yarns and certifying that the material supplied is in accordance with this specification. The certification shall include or have attached typical results of tests from specific lots for all specified requirements.

2.14.11.1 The manufacturer shall be responsible for establishing and maintaining a QC program to assure compliance with the requirements of this specification. Documentation describing the QC program shall be made available to the ENGINEER upon request.

2.14.11.2 The manufacturer's certificate shall state that the furnished material meets MARV requirements as evaluated under the manufacturer's QC program. A person having legal authority to bind the manufacturer shall attest to the certificate.

2.15 SAFETY EDGE

2.15.1 Description. This work shall consist of furnishing and placing a Safety Edge to the dimensions shown and at locations designated on the contract documents. The finished

shape of the Safety Edge shall conform to the typical sections. The Safety Edge shall be constructed monolithically with the pavement.

2.15.2 Equipment. Utilize an approved longitudinal Safety Edge system to create a sloped edge profile onto the roadway shoulder. Utilize an approved Safety Edge system that compacts the asphalt and provides a sloped wedge per the detail measured from the pavement surface cross slope extended. The use of a single plate strike off is not allowed.

Utilize an approved Safety Edge system that is adjustable to accommodate varying paving thicknesses.

All Safety Edge systems to be used for the purpose of creating a Safety Edge must meet the approval of the ENGINEER. The ENGINEER may require proof that the system has been used on previous projects with acceptable results or may require a test section constructed prior to the beginning of work to demonstrate the edge shape and compaction to the satisfaction of the ENGINEER.

2.15.3 Placement. Prior to placing asphalt or concrete pavement, prepare the shoulder material where the Safety Edge will be placed to provide a foundation that will support the placement of the Safety Edge in accordance with the owner agency's standard practice.

For asphaltic pavements and overlays, the percent compaction of the asphalt adjacent to the Safety Edge shall be in accordance with the Standard Specifications unconfined longitudinal edge specification.

Furnish, place and compact shoulder backing material to the top of the Safety Edge as shown in the details and in accordance with the Standard Specifications.

Attain approval in advance from the ENGINEER for short sections of handwork such as transitions at driveways, intersections, interchanges, and bridges.

2.15.4 Measurement. Safety Edge will not be measured for payment.

2.15.5 Basis of Payment. No separate payment will be made for the construction of the Safety Edge. All work associated in the Safety Edge construction shall be integral to the pavement work and shall be included in the contract pricing for those pay items.

3. MODIFICATIONS TO MEASUREMENT AND PAYMENT

3.1 GENERAL

The total Contract Price shall cover all Work required by the Contract Documents. All costs in connection with the proper and successful completion of the Work, including furnishing all materials, equipment, supplies, and appurtenances; providing all construction plant, equipment, and tools; and performing all necessary labor and supervision to fully complete the Work, shall be included in the unit and lump sum prices bid. All Work not specifically set forth as a pay item in the Bid Form shall be considered a subsidiary obligation of CONTRACTOR and all costs in connection therewith shall be included in the prices bid.

3.2 ESTIMATED QUANTITIES

All estimated quantities stipulated in the Bid Form or other Contract Documents are approximate and are to be used only (a) as a basis for estimating the probable cost of the Work and (b) for the purpose of comparing the bids submitted for the Work. The actual amounts of work done, and materials furnished under unit price items may differ from the estimated quantities. The basis of payment for work and materials will be the actual amount of work done and material furnished. CONTRACTOR agrees that it will make no claim for damages, anticipated profits, or otherwise on account of any difference between the amounts of work actually performed and material actually furnished and the estimated amounts.

3.3 PRICE ADJUSTMENT FOR ASPHALT MATERIAL

SUPPLEMENTAL REVISIONS JSP-09-01D

Insert 109.15, subsequent section renumbered accordingly: MEASUREMENT AND PAYMENT

109.15 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 PG64-22, PG70-22 or PG76-22 when it has been determined that the monthly average price for the midpoint of the published prices of PG64-22 for St. Louis, Missouri area and Kansas City area has fluctuated from the monthly average price of the month the project was bid. The St. Louis, Missouri area and Kansas City area prices will be obtained from the Asphalt Weekly Monitor published by Poten & Partners Inc. The monthly base price will be the price from the last published Asphalt Weekly Monitor prior to MoDOT's monthly bid opening. The monthly base price, established prior to the monthly bid opening, shall apply to payment estimates for the following month.

109.15.1 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 or converted square yard quantity over 1000 tons. For projects that are paid for with square yard pay items, the adjustments will be made for applicable tons calculated based upon the plan square yard quantity and thickness converted to tons excluding the 1:1 wedge. 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 PG64-22, PG70-22 or PG76-22.

109.15.2. 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 = monthly average price at time mix placement
E = monthly average price at time of bid

109.15.3. 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.

109.15.4. 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 109.3.4
RELOCATION OF EXISTING UNDERGROUND UTILITY MAINS, EXCEPT WATER LINES AND SERVICE LINES

As specified, the CONTRACTOR shall locate all existing underground utility installations in advance of excavating. Where it is determined that any existing utility main may fall within the physical limits of new structures, the CONTRACTOR shall excavate at as many points as are required to determine their size, alignment, and grade. Where it is confirmed by such excavation that utility mains fall within the outside concrete line of the walls or top of structures, or within the subgrade of the bottom of structures, such mains will be relocated by the OWNER thereof, without cost to the CONTRACTOR. Such relocation of utility mains shall be made to the extent that conflict with the work of the CONTRACTOR during excavating and concrete formwork will be minimized.

Where it is found that existing utility mains are located in close proximity to, but not within, outside concrete lines or subgrade lines, such mains will not be relocated. The CONTRACTOR shall protect all such existing utilities as specified. If the CONTRACTOR determines that such utilities should be removed or relocated to expedite or simplify the work, or to allow certain construction procedures, such removal or relocation shall be paid for by the CONTRACTOR. The need for all utility main relocations shall be determined by actually exposing the affected utility conduit or line. The cost of all such relocations shall be included in the various unit prices in the Bid Form.

The CONTRACTOR shall be responsible for giving adequate notice to the owners of utilities that are to be relocated and for the coordination of any and all activities associated with the relocation of said utilities.

The acceptance of the ENGINEER shall be obtained before the CONTRACTOR requests relocation of any utility main, except those for which the CONTRACTOR agrees to pay all costs.

4. LOCAL PROGRAMS PERMIT FOR WORK ON MODOT RIGHT OF WAY

4.1 Description. This project includes work on MoDOT right-of-way, therefore a MoDOT permit must be issued prior to the Contractor starting any work on MoDOT right-of-way. The contractor performing the work will be issued the permit and shall comply with all requirements of the permit. There is no cost to obtain the MoDOT permit and no additional surety deposit or bond is required. The Permit Request form shall be submitted to the MoDOT Local Programs Construction Contact.

4.2 The contractor shall notify MoDOT prior to any temporary or long- term lane closure, shoulder closure, sidewalk closure or other work that impacts MoDOT's roadway. Notification shall be made using MoDOT's online "Lane Closure Request" form at www.modot.org/form/lane-closure-request-form. Notification is required a minimum of 2 business days prior to any lane and/or shoulder closures. Failure to properly notify MoDOT prior to any closure may result in suspension or revocation of the permit.

4.3 The following documents are included at the end of these special provisions:

- a. MoDOT Local Programs Permit Information (How to obtain a Local Programs Permit)
- b. MoDOT Local Programs Permit Request form
- c. Sample Permit
- d. Personal Protective Equipment requirements for work on MoDOT right-of-way
- e. Sample "Lane Closure Request" form (www.modot.org/form/lane-closure-request-form)
- f. Permit Completion Report

4.4 Basis of Payment. All work necessary for compliance with this provision will be considered incidental to the project. No direct payment will be made for compliance with this provision.

MoDOT – ST. LOUIS DISTRICT TRAFFIC LOCAL PROGRAMS PERMIT INFORMATION



MoDOT - St. Louis District Traffic Local Programs Permit Information

A Permit for Work on Right of Way is Required for:

- Construction of new entrances
- Reconstruction of existing entrances (change in width, grade, location, etc.)
- Grading
- Landscaping
- Irrigation installation
- Utility installation
- Signal installation or modifications
- Traffic control

How to Obtain a Local Programs Permit for Work on Right of Way:

- LPA and/or LPA's Contractor to submit Permit Request Form to Local Programs Construction Contact and Jill Steiger (jill.steiger@modot.mo.gov) to type new permit for the Local Programs Project.
- Copy of permit will be emailed to LPA and LPA's Contractor for signatures.
- LPA and LPA's Contractor will need to sign permit and return by email for the permit to be issued.
- Issued Permit will be emailed to LPA, LPA's Contractor and Local Programs Construction Contact.

Once Local Programs Permit is Issued:

- Contractor to call before digging 1-800-344-7483 for location of underground facilities.
- Contractor to submit the "Lane Closure Request" form to MoDOT 2 business days prior to any lane closures. Submittals can be done online at www.modot.org/form/lane-closure-request-form or via email to SLPermitWorkzones@modot.mo.gov.
- Permit Staff to enter lane closure information into TMS and notify Contractor, Local Programs Construction Contact and Area Permit Inspector of approved lane closure with Workzone Verification email.
- Local Programs Contact to submit Permit Completion Report Form when work is complete and accepted by Local Programs Department so permit can be released.



Missouri Department of Transportation Local Programs Permit Request

This form is to show intent to perform work in state right of way and does not give the applicant or their representatives authorization to work in state right of way. Authorization to work in state right of way will come in the way of a permit issued from MoDOT Permits department. All information on this form unless otherwise marked is required, if any required information is left out your request will not be processed. This form is electronically fillable.

Local Programs Project # CMAQ 5414 (635) GGL MO Route 94 Traffic Signal Modifications

Local Programs Contact Jacob Becher (636)949-7900 ext 7230

Sponsor Information

Contact Name Amanda Brauer City/County St. Charles

Address St. Charles County Government, 201 N Second St, Suite 560, St. Charles MO 63301

Phone No. (636)949-7490 Email abrauer@sccmo.org

Contractor Information

Contact Name _____ Company _____

Address _____

Phone No. _____ Email _____

Location Information

Route 94 County St. Charles City St. Charles

Location of work on State right of way along the north & south side, 300 feet
Direction Distance Feet/Miles

east from west of Pralle Ln to east of Pralle Ln and west of Zumbuhl Rd to east of Zumbuhl Rd
Direction Nearest cross street or intersection

Description of work:

Traffic Signal Modifications at the intersections of:
MO 94 & Pralle Lane
MO 94 & Friedens Road / Zumbuhl Road
MO 94 & Sherman Drive
MO 94 & I-70 ramps

GENERAL PROVISIONS

Section 1. The signing of this form binds the applicant to the terms of this permit. If signed by Applicant's contractor or that contractor's authorized representative, the contractor and any subcontractors will be held jointly responsible for all of the requirements of this permit until it is released by the District Engineer or the District Engineer's representative. Applicant agrees to keep a copy of the permit and an approved plan on the job site.

Section 2. Construction material and equipment may be on the right of way only during the period of actual construction providing it is not on the roadway shoulders, in the ditch or blocking sight distance. Roadway ditches, culverts and other such devices used to carry surface run-off will be kept open, free, and clear at all times.

Section 3. Applicant agrees that construction inspection will be provided by Applicant to assure compliance with the permit.

Section 4. Applicant shall provide adequate preliminary engineering including planning, and coordination with all concerned parties to:

- (a) Confirm their contractor knows the rules and limitations for installations on highway right of way.
- (b) Provide preinstallation meetings to all parties on major installations.
- (c) Designate a point of contact who shall be available 24 hours per day, 7 days per week while the permittee is present on state highway rights of way and shall be capable of correcting any deficiencies in accordance with Missouri Standard Specifications for Highway Construction including, but not limited to Section 616.
- (d) Include the name and telephone numbers of the design engineer and construction manager, as well as the dimension of the facility from the right of way line on the permit.

Section 5. Prior to beginning work, the applicant will request from the established Missouri One-Call System, the location of all utilities on the right of way.

Section 6. Applicant will contact MoDOT 48 hrs. prior to any lane closure or 14 calendar days prior to the imposition of height, width, and weight restrictions. Lane closure dates may be rescheduled and/or lane closure times may be shifted to off-peak and/or nighttime hours to minimize traffic backups. Schedule multiple tasks in a single work zone if possible.

Section 7. All work covered under this permit is to be in accordance with the Missouri Standard Specifications for Highway Construction, Missouri Standard Plans for Highway Construction, and The Manual on Uniform Traffic Control Devices (MUTCD current edition) where applicable. All utility facilities will be installed and located and all other work performed in accordance with the Code of State Regulations, Title 7, Division 10, Chapter 3, *Utility and Private Line Location and Relocation* and other policies of the Missouri Department of Transportation.

Section 8. No advertising signs or display material of an advertising nature is to be placed on or to extend over onto the right of way as covered in Section 227.220 R.S. Mo.

Section 9. To the extent allowed or imposed by law, the Applicant agrees to hold harmless the Commission, its officers and employees from all liability, judgments, costs, expenses and claims growing out of damages of any nature whatsoever, to any person or property arising out of performance or non-performance of said work, or existence of said improvements. The Applicant shall carry commercial general liability insurance and commercial automobile liability insurance from a company authorized to issue insurance in Missouri, and to name the Commission, and MoDOT and its employees, as additional named insured in amounts sufficient to cover the sovereign immunity limits for Missouri public entities as calculated by the Missouri Department of Insurance, Financial Institutions and Professional Registration, and published annually in the Missouri Register pursuant to Section 537.610 R.S. Mo

Section 10. All costs incurred due to the issuance of this permit shall be borne by the Applicant, the Applicant's successors, and assigns.

Section 11. It is understood that in granting this permit the Commission waives none of its power or rights to direct the removal, relocation, and/or proper maintenance in the future of anything within the right of way of the state highway at no cost to the Commission.

Section 12. The Applicant's deposit or bond may be held until the work has been completed and has been approved by the District Engineer or the District Engineer's representative. The Applicant agrees that the Commission may, after the expiration date of this permit or extension thereof, use as much of the deposit as may be necessary to restore, correct, or complete any and all work started or done by the Applicant by whatever means the Commission deems necessary. The Commission may use the deposit to correct any hazard which the Applicant/contractor does not correct upon notification.

Section 13. The obtaining of this permit does not relieve the Applicant of the responsibility for obtaining other permits required by this or any other agency having jurisdiction.

Section 14. For any land disturbance activity, the Applicant shall install erosion and sediment control measures as necessary to prevent pollution of streams, lakes, ponds and wetlands and to prevent silt from leaving MoDOT right of way. The Applicant agrees to restore vegetation with seed and mulch, sodding, or other approved methods, prior to removal of sediment control devices. The Commission is under a federal order, under Case No. 15-4069, U.S. District Court of the Western District of Missouri, and all projects including applicant's projects that include land disturbance activities of greater than one (1) acre on Commission right of way are subject to this order. See www.modot.org/business/contractor_resources/LandDisturbanceItems.htm for full requirements.

Section 15. No driveway or improvement constructed on the highway right of way shall be altered or relocated without permission of the District Engineer or the District Engineer's representative.

LOCAL PROGRAMS PROJECT STP-0000(000)

Description of work: xxxxx

1. All materials & procedures must conform to current MoDOT Standards, this sheet and approved final plans for the Federal Project STP-0000 (000).
2. Applicable sections of a separate agreement between the Applicant and the Commission are included by reference.
3. Applicant and/or Contractor must possess a copy of this permit and final approved plans on the site at all times.
4. Keep roadway and shoulders clear of dirt, mud, debris, equipment, and materials at all times.
5. Roadway ditches, culverts and other such devices used to carry surface run-off will be kept open, free, and clear at all times.
6. Dress all disturbed earth areas; seed and mulch with straw and/or sod.
7. Backfill behind curb flush to the top of back of curb.
8. No Slopes on MoDOT right of way greater than 3:1.
9. EDGE TREATMENT: A wedge of material (with a 3:1 or flatter slope) must be placed along the pavement edge during non-working hours when there is over a 2-inch drop off.
10. Contact, _____, Signal engineer, at (314) 565 - _____, 2 business days prior to signal turn on.
11. The Test Period for the installation of this signal will be governed by section 902.5.9, and 902.5.9.1 of the current MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
12. ALL traffic signal equipment that the contractor uses or installs on the project, whether furnished by the Commission or the contractor, either on a temporary or permanent basis, shall, upon installation or upon initial use by the contractor, be operated, and maintained by the contractor until the project is completed and accepted.
13. UTILITY LOCATES -CONTACT MO ONE-CALL 1-800-344-7483 FOR LOCATION OF UNDERGROUND FACILITIES.
14. Damage to MoDOT facilities within the area of work caused by the contractor will be deemed by MoDOT as either "non-emergency" or "emergency" upon notification of the damages. Repair to damages will be performed as follows:
 - Non-Emergency: The contractor will have 4 hours to propose a repair plan to MoDOT for a complete repair within 3 business days.
 - Emergency: Upon notification of the damage, the contractor must immediately submit a repair plan which will take no more than 4 hours to respond on-site and complete repairs within 48 hours of notification of damage.

In either case, if the proposed plan is unacceptable for any reason to MoDOT, repairs will be made by MoDOT with all costs billed to the contractor. The applicant's permit deposit or bond will be held until all costs are reimbursed to MoDOT per Section 12 of the Permit For Work on Right of Way General Provisions.
15. All workers within highway right of way shall wear approved ANSI/SEA 107 Performance Class 2 or 3 safety apparel, including safety glasses and safety footwear.

See EPG 616.4.3 Worker Safety Considerations for worker apparel and EPG 616.5.2 High-Visibility Safety Apparel for flagger apparel.

http://www.modot.org/business/documents/Safety_Requirements_Apparel_Placemat_FINAL.pdf
16. **ALL LANE OR SHOULDER CLOSURES MUST BE APPROVED BY MODOT. THE ATTACHED FORM WILL NEED TO BE SUBMITTED TO MoDOT 2 BUSINESS DAYS PRIOR TO ANY LANE CLOSURES VIA FAX (573- 522-6491) OR EMAIL (SLPERMITWORKZONES@MODOT.MO.GOV) OR ONLINE AT WWW.MODOT.ORG/FORM/LANE-CLOSURE-REQUEST-FORM.**
 1. Contact Beth Bittick, (314) 877-8770 Local Programs Department, 2 business days prior to starting work.
 2. Contact Brandon Barke, (314) 453-xxxx Local Programs Department, 2 business days prior to starting work.
 3. Contact Cindy Simmons, (314) 453-1833 Local Programs Department, 2 business days prior to starting work.
 4. Contact Russ Klein, (314) 453-5093 Local Programs Department, 2 business days prior to starting work.
 5. Contact Jill Steiger, (314) 453-5061 Local Programs Department, 2 business days prior to starting work.
 6. Contact John Brendel, (314) 453-1836 Local Programs Department, 2 business days prior to starting work.

For daytime activity, flaggers shall wear a high visibility hard hat; safety glasses; a Performance Class 3 top OR a Performance Class 2 top; and safety footwear.

Choose One
 -hard hats must be high visibility

OR

Choose One
 -prescription

Choose One
 Class 3 Vest

OR

Choose One
 Class 2 Vest

Class 3 Jacket

Class 3 Shirt

Class 2 Jacket

Class 2 Shirt

Daytime Flagger PPE

Choose One
 Safety Footwear

updated April 2015

For nighttime activity, flaggers shall wear a high visibility/reflective hard hat; safety glasses; a Performance Class 3 top and a Class E bottom OR a Performance Class 2 top and a Class E bottom; and safety footwear.

Choose One
 -hard hats must be high visibility and reflective

OR

Choose One
 -prescription

Choose One
 Class 3 Vest

OR

Choose One
 Class 2 Vest

Class 3 Jacket

Class 3 Shirt

Class 2 Jacket

Class 2 Shirt

Class E Coverall

Class E Shorts or Gaiter

Class E Pants

Nighttime Flagger PPE

Choose One
 Safety Footwear

updated April 2015

For daytime activity, workers shall wear a hard hat; safety glasses; a Performance Class 3 top OR a Performance Class 2 top; and safety footwear.

Choose One
 -hard hats may be any color or design

OR

Choose One
 -prescription

Choose One
 Class 3 Vest

OR

Choose One
 Class 2 Vest

Class 3 Jacket

Class 3 Shirt

Class 2 Jacket

Class 2 Shirt

Daytime Worker PPE

Choose One
 Safety Footwear – metatarsal support needed for some operations

updated April 2015

For nighttime activity, workers shall wear a hard hat; safety glasses; a Performance Class 3 top OR a Performance Class 2 top and a Class E bottom; and safety footwear.

Choose One
 -hard hats may be any color or design

OR

Choose One
 -prescription

Choose One
 Class 3 Vest

OR

Choose One
 Class 2 Vest

Class 3 Jacket

Class 3 Shirt

Class 2 Jacket

Class 2 Shirt

Class E Coverall

Class E Shorts or Gaiter

Class E Pants

Nighttime Worker PPE

Choose One
 Safety Footwear – metatarsal support needed for some operations

updated April 2015

Lane Closure Request Form

You have received this form because it is possible that you may have to close a lane and/or shoulder on a Missouri State Highway.

Prepare a temporary traffic control plan and communicate it to all responsible parties prior to commencement of work. Traffic Control for Field Operations link can be found on permits general information website at <https://www.modot.org/permits>.

There are 3 methods to request a lane and/or shoulder closure on MoDOT right of way:

1. Preferred - Online submittal at <https://www.modot.org/form/lane-closure-request-form>
2. Email - the attached form to SLPermitWorkzones@modot.mo.gov
3. Fax - the attached form to (573) 522-6491

- ❖ ALL LANE AND/OR SHOULDER CLOSURES MUST BE APPROVED BY MODOT.
- ❖ The attached form will need to be submitted to MoDOT a minimum of 22 businesses days and a maximum of 10 business days prior to any lane and/or shoulder closures.
- ❖ The form must be filled out to its entirety or it will be returned to you by email for corrections.
- ❖ After MoDOT receives the request for a lane and/or shoulder closure. the Point of Contact will be notified by email and given a MoDOT WorkZone Verification Number.
- ❖ It is your responsibility to make sure MoDOT has received and approved the request. You may call the MoDOT permit inspector on the permit for verification.
- ❖ **To maintain motorist and worker safety, no lane closures will be allowed during wet pavement conditions. All approvals will automatically be postponed to the following day given that conditions are dry.**

LANE CLOSURES THAT HAVE NOT BEEN APPROVED
WILL NOT BE ALLOWED AND WILL BE SHUT DOWN.

Additional permit information is available on our web page.
<https://www.modot.org/permits>



Lane Closure Request Form

This section completed by MoDOT Permit Staff

MoDOT WZ Verification # _____

Date recd. _____ Time recd. _____

Method of Notification:

E-mail _____ Fax _____ Phone _____

TMS ID # : _____

Notified By: _____

☐ New request ☐ Extension of existing request - prior MoDOT WZ Verification # _____

Point of Contact Information

Lane Closures Require a 24/7 Point of Contact while work is being conducted.

Company Name _____

Telephone _____

Contact Name _____

Cell number _____

Email address _____

Fax _____

ALL FIELDS ARE REQUIRED - INCOMPLETE FORMS WILL BE REJECTED

In effort to maintain safety to motorists and workers no lane closures will be allowed during wet pavement conditions. All approvals will automatically be postponed to the following day given the conditions are dry.

MoDOT Permit Number _____

Permit Inspector _____

Route _____ Direction _____
(North, South, East, West)

Town / County _____

Location Start at _____ feet/miles _____
(North, South, East, West)

from _____
(Nearest cross street or intersection)

Location End at _____ feet/miles _____
(North, South, East, West)

from _____
(Nearest cross street or intersection)

Type of Work _____

Work Zone Length _____ feet/miles

Lane Type _____
(Thru, Left Turn, Right Turn, Shoulder)

Lanes Closed _____

Closure Location _____
(Left Lane, Center Lane, Right Lane)

Emergency Work _____
(Yes or No)

Day or Night _____
(Day, Night, 24 hour)

Weekend Work _____
(None, Saturday, Sunday, Both)

Closures shall not last longer than 7 days per request and weekday daytime lane closures should not start earlier than 9:00 a.m. or end later than 3:30 p.m. If this is not followed your closure will be denied.

Start Date _____

Start Time _____

End Date _____

End Time _____

Additional Comments (moving operation, short term, etc.) _____

Note: Type or Print Legibly



Local Programs Permit Completion Report

This form must be completed & returned when all permit work on state right of way is completed and accepted by Local Roads Department.

MoDOT PERMIT # : _____ LOCAL PROGRAMS PROJECT # : _____

LOCAL PROGRAMS CONTACT: _____

ROUTE: _____ COUNTY: _____ CITY: _____

SPONSOR NAME: _____

The work on the above mentioned permit was completed on _____ ,
DATE
and the right of way has been completely restored. This permit is ready to be released.

REMARKS:

Once completed you can email this form to SLcompletedpermits@modot.mo.gov

FHWA FORM 1273

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

As accepted and revised on May 1, 2012.

Webpage link: <https://www.fhwa.dot.gov/programadmin/contracts/1273/1273.pdf>

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

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.

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.

STATE WAGE RATES

MISSOURI DIVISION OF LABOR STANDARDS

Wage and Hour Section Annual Wage Order No. 28

All projects solicited or advertised for bid on or after May 13, 2021 should use Annual Wage Order 28, which went into effect May 13, 2021. Annual Wage Order 28 provided in Attachments.

Webpage link:

https://laborwebapps.mo.gov/dls/prevailingwage?_token=Hwh0cMfPYr0ZG0jpLOrgZPoJo0Qhbtw6NUKrCBPT&county=St.+Charles%2C92&Sub-old=#current

FEDERAL WAGE RATES

As accepted and revised on May 27, 2021 by General Decision Number: MO20210001.
Federal Wage Rates provided in Attachments.

Webpage link: <https://sam.gov/wage-determination/MO20210001/6>

**ENVIRONMENTAL & CULTURAL
PERMITS AND CLEARANCES**

This RER has been completed, only administrators may edit this document now, they will contact you if any information changes.

Date Completed: 01/06/2020
Completed By: Matthew Burcham

Request for Environmental Review Form#:2020-10-00089

*Project Information

Prefix:	CMAQ	Project Number:	5414635	Bridge Number:	NA
District:	St. Louis	County:	St. Charles	Sponsor:	St. Charles County
TIP Number:	6841B 19	Rte/Street:	MO 94 null		
MoDOT Job Number:	NA	TIGER Grant Funds:	NA	Is this project on or adjacent to MoDOT Right of Way:	No
Location/Stream Crossing :	MO 94				
TMS Project Description - termini (no stations):	INTERSECTION IMPROVEMENTS - SIGNAL OPTIMIZATION; MO 94 FROM I-70 TO PORTERWEST DR				
Describe RER project improvements in full detail:	Proposed roadway improvements include the reduction of island and modifying the pavement markings on the side streets at Missouri 94 and Zumbuhl Road/Friedens Road and Missouri 94 and Pralle Lane to accommodate concurrent left turning and through moving vehicles. The option to operate concurrent left turns on the side streets will provide for a more efficient signal operation at two of the more critical intersections along this corridor and thus reduce delay and emissions. It is also being proposed to have a qualified traffic engineer develop signal timing plans following the roadway and signal improvements to ensure the network of intersections is operating at their fullest potential with the new operations. One goal of this project is to utilize the travel time devices that have been installed as part of the Gateway Green Light projects to document the travel time data under the current geometrics and signal timing plans as the existing baseline. This baseline will then be monitored and compared to travel time data collected during construction as well as after the new geometrics have been constructed and the corridor has been optimized.				
District Liason:	Cynthia Simmons - 314-453-1833	Contact:	None selected		
Contact:	None selected	Contact:	None selected		
Date Desired:	01/01/2020	Submit Date:	12/03/2019		
Desired A-Date:					
Responsible Individual:	Amanda Brauer - (10/17/2019 2:54:09 PM) - 636-949-7490	Submitted By:	Greg Owens - (12/3/2019 12:00:00 AM) - 314-449-9574		
Existing Condition					
ADT:	55,000	Speed Limit:	45		
Number of Travel Lanes:	4	Lane Width:	12		
Shoulder Width:	8	Curb and Gutter:	No		
Bridge width, measured from gutterline to gutterline:	0	Sidewalks:	None		
Proposed Design Improvement					
ADT:	77000	Speed Limit:	45	Design Speed:	50
Number of Travel Lanes:	4	Lane Width:	12		
Shoulder Width:	8	Curb and Gutter:	No		

Bridge width, measured from gutterline to gutterline: 0

Bridge Length: 0

Railroad Crossing: No

Sidewalks: None

Roadway length: 1.81

Drainage District (If Applicable): Choose One...

Right of Way: N/A

Program Year:

Preliminary Engineering: 2019

Construction: 2020

Has the sponsor 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

Temp Easement: 0

Permanent Easement: 0

ROW may be needed, but, not yet determined? No

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

Acres of Tree Clearing: 0 acres

Number of Displacements(do not include partial takes that do not displace):

Residential: Yes ☒ No

Commercial: Yes ☒ No

No. of People: Residences: No. of Employees: Businesses:

Public Hearing/Meeting Information:

Average Daily Traffic:

ADT Construction Year: 55,000

ADT Design Year: 77,000

Traffic Impacts:

Road Closure Planned: Yes ☒ No

Bridge Closure Planned: Yes ☒ No

Detour Info:

Days/Months Closed:

Bicycle / Pedestrian Consideration

Pedestrian facilities
considered: No

Bicycle facilities
considered: No

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: None

Wetland/404 Permit: None

Land Disturbance /
Stormwater: None

Farmland: None

Threatened &
Endangered Species: See attached coordination.

Migratory Birds: Are
there birds nesting on
the structure? No, None. Only structures are signals and lighting.

Hazardous Waste: None

Cultural Resources: Section 106 cleared. See attached.

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:[✖FWS - Consistency Letter 11-27-19 2.pdf](#)[✖780-1027-f.pdf](#)[✖Mo 94 CMAQ plans 11-26-19 \(rev 11-27-19\).pdf](#)[✖Location Map.pdf](#)[✖FY2019-2022TIP-BoardApproved-020519.pdf](#)[✖FWS - Endangered Species List 11-27-19.pdf](#)[✖6841B-19 - St. Charles County - MO 94 Intersection Improvements.pdf](#)**Required Information to be attached for each RER stage:**

Location map (county map, topographic map or aerial map) showing the project limits, plan sheets, KMZ files showing tree clearing limits and/or plans, permits/documentation as required(floodplain, farmland form, NWP, asbestos & lead based paint inspection reports, Section 106 Project Information Form for review, SHPO concurrence letter, USFWS IPac Official Species List, MDC Heritage Review Report, Effects determination).

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 - 1/6/2020 8:23:59 AM

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 - 1/6/2020 8:26:07 AM

Land Disturbance / Stormwater

Status Information:

• N/A Possible Issues Noted

Clearance Date:

Environmental Response: 1. 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: 1. Contact the MoDOT Environmental Office if any land disturbance on MoDOT property is 1 acre or more.

Attachments:

✓ Land Disturbance / Stormwater Submitted - Mark submitted when this review is ready to be sent to district staff.

Last Updated: Matthew Burcham - 1/6/2020 8:27:52 AM

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 - 1/6/2020 8:28:07 AM

Socioeconomic Impact

Status Information:

• N/A Pending Cleared

Clearance Date:

Environmental Response: There will be no significant socioeconomic impacts associated with this project.

LPA Action: Ensure public is informed as necessary of project construction.

Attachments:

✓ Socioeconomic Impact Submitted - Mark submitted when this review is ready to be sent to district staff.

Last Updated: Matthew Burcham - 1/6/2020 8:30:58 AM

Threatened & Endangered Species

Status Information:

• No Effect Pending Cleared

Clearance Date:

Environmental Response: MoDOT's environmental specialist evaluated the project plan sheet, photos, and USFWS IPaC Official Species List (OSL) from the areas. IPaC OSL has listed the following species of concern: Gray bat, Indiana bat, and Northern long-eared bat. Decurrent false aster. Gray bats are cave obligate species. There are no known cave resources within several miles of the project area. There will be no impact to Gray bat resources and No Effect to Gray bats. Indiana and Northern long-eared bats can occur in forested areas of the state. This project occurs in city limits and there will be no tree clearing. Therefore, no suitable bat habitat will be impacted and there will be No Effect to Indiana and Northern long-eared bats. There is no habitat in the project site. No Effect to Decurrent false aster. Acting as the designated non-federal representative for FHWA for ESA Section 7, MoDOT has determined this project will have No Effect on any federally protected species or critical habitats. Consultation with USFWS is not required. The T&E process is complete.

LPA Action: No further action is required.

Attachments:

✓ Threatened & Endangered Species Submitted - Mark submitted when this review is ready to be sent to district staff.

Last Updated: Matthew Burcham - 1/6/2020 8:44:01 AM

► Migratory Birds

Status Information: ☒ N/A ☐ Pending ☐ Cleared Clearance Date:

Environmental Response: There are no existing bridge, box culvert, or low water crossing structures to be modified and no concerns with the Migratory Bird Treaty Act.

LPA Action: None

Attachments:

✓ Migratory Birds Submitted - Mark submitted when this review is ready to be sent to district staff.

Last Updated: Matthew Burcham - 1/6/2020 8:32:03 AM

► Hazardous Waste Impact

Status Information: ☒ N/A ☐ Pending ☐ Cleared Clearance Date:

Environmental Response: Based on the project description 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 - 1/6/2020 8:39:13 AM

► 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 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 - 1/6/2020 8:40:11 AM

► Noise Impact

Status Information: ☒ N/A ☐ Pending ☐ Cleared Clearance Date:

Environmental Response: This is a Type III project and a noise analysis is not required. According to MoDOT's noise policy the project does not meet Type I criteria.

LPA Action: None

Attachments:

✓ Noise Impact Submitted - Mark submitted when this review is ready to be sent to district staff.

Last Updated: Matthew Burcham - 1/6/2020 8:27:39 AM

Cultural Resources Impact (Section 106)

Status Information:

Pending • Cleared

Clearance Date:

01/06/2020

Environmental Response: The project is cleared under the Memorandum of Understanding between MoDOT and FHWA as a project with no potential to cause effects to historic properties; Part I, item 5. No further action is required.

LPA Action: No further action is required.

Attachments:

- ☐ Adverse Effect or Conditional No Adverse Effect
- ☒ Cultural Resources Impact Submitted - Mark submitted when this review is ready to be sent to district staff.
Last Updated: Matthew Burcham - 1/6/2020 8:54:51 AM

Public Land Impact (Section 4(f)/6(f))

Status Information:

• N/A Pending Cleared

Clearance Date:

Environmental Response: According to Google Earth and ArcMap, 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.

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 01/06/2020

- ☒ Public Land Impact Submitted - Mark submitted when this review is ready to be sent to district staff.
Last Updated: Matthew Burcham - 1/6/2020 8:32:53 AM

Other

Status Information:

• N/A Pending Cleared

Clearance Date:

Environmental Response: No other issue of concern.

LPA Action: none

Attachments:

- ☒ Other Screening Submitted - Mark submitted when this review is ready to be sent to district staff.
Last Updated: Matthew Burcham - 1/6/2020 8:26:36 AM

NEPA Classification

NEPA Right-Of-Way Permission:	Not Applicable	as determined or approved by:	MATTHEW.BURCHAM@MODOT.MO.GOV
NEPA Approval/Proceed to A-date Request:	01/06/2020	Re-evaluation Date:	
NEPA Classification:	PCE		
This project qualifies for the programmatic categorical exclusion under Item#:	27	All Environmental Issues Cleared:	01/06/2020
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: 01/06/2020 by [Matthew Burcham](#)

PUBLIC INTEREST FINDINGS



Amanda Brauer
Manager, Roads & Traffic

DATE: April 12, 2021

TO: **Cynthia R Simmons, PE**
Local Programs Construction Engineer
Missouri Department of Transportation
1590 Woodlake Dr.
Chesterfield, Mo. 63017

I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), this patented or proprietary item is essential for synchronization with existing highway facilities.

Digitally signed by
Kenneth Voss
Date: 2021.04.16
13:18:31 -05'00'

for State Design Engineer

FROM: **Amanda Brauer**
201 N. Second St – Suite 560
St Charles County, MO

SUBJECT: **Design**
Route 94 Roadway and Signal Improvements
St Charles County Project
Job No. CMAQ 5414(635)
Public Interest Finding

With reference to the above-mentioned project, we request approval of a finding in the public interest to use Autoscope Vision video detection system and accessories for the project.

The Missouri Department of Transportation (MoDOT) and the GGL program both use these specific types of detection devices as part of existing Intelligent Transportation Systems (ITS) currently deployed in the St Louis District. The project will closely integrate both device and communication protocols with existing MoDOT and GGL systems. It is therefore desirable that the product synchronize with their existing criteria for such a device. **Additionally, it has been determined that this device provides the only video detection system allowing for multiple users to utilize the system software interface simultaneously. As the GGL program involves multiple partners, this capability is essential to the program.** Further, it has been shown to meet accuracy requirements for collecting permanent turning movement count data at each deployed intersection, which will provide valuable data to GGL and MoDOT staff or partners during ongoing operations or traffic studies.

Past field performance has demonstrated that this product is relatively inexpensive, durable, and easy to operate. It will not differ from existing MoDOT and GGL inventories, nor will it necessitate additional training of personnel.

201 N. Second St. – Suite 560 | St. Charles, MO 63301 | P 636.949.7490 | F 636.949.7307 | abrauer@sccmo.org | www.sccmo.org



Amanda Brauer
Manager, Roads & Traffic

DATE: April 12, 2021

TO: **Cynthia R Simmons, PE**
Local Programs Construction Engineer
Missouri Department of Transportation
1590 Woodlake Dr.
Chesterfield, Mo. 63017

I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), this patented or proprietary item is essential for synchronization with existing highway facilities.


Digitally signed by
Kenneth Voss
Date: 2021.04.25
20:10:57 -05'00'

for State Design Engineer

FROM: **Amanda Brauer**
201 N. Second St – Suite 560
St Charles County, MO

SUBJECT: **Design**
Route 94 Roadway and Signal Improvements
St Charles County Project
Job No. CMAQ 5414(635)
Public Interest Finding

With reference to the above-mentioned project, we request approval of a finding in the public interest to use Econolite Cobalt traffic signal controllers and accessories for the project.

The Missouri Department of Transportation (MoDOT) and the GGL program both use the Econolite traffic signal controller as part of existing Intelligent Transportation Systems (ITS) currently deployed in the St Louis District, especially within St. Charles County. The project will closely integrate both device and communication protocols with existing MoDOT and GGL systems. It is therefore desirable that the product synchronize with their existing criteria for such a device. Additionally, it has been determined that this device provides the necessary information base and controller functions for the County's coming deployment of Centralized Emergency Vehicle Preemption (GGL CMAQ 5414 (634)). Further, it has been shown to meet requirements for collecting and transmitting high resolution data at each deployed intersection, which will provide valuable data to GGL and MoDOT staff or partners during ongoing operations or traffic studies through the use of Signal Performance Measures.

Past field performance has demonstrated that this product is relatively inexpensive, durable, and easy to operate. It will not differ from existing MoDOT and GGL inventories, nor will it necessitate additional training of personnel.



Amanda Brauer
Manager, Roads & Traffic

DATE: April 12, 2021

TO: **Cynthia R Simmons, PE**
Local Programs Construction Engineer
Missouri Department of Transportation
1590 Woodlake Dr.
Chesterfield, Mo. 63017

I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), this patented or proprietary item is essential for synchronization with existing highway facilities.

A handwritten signature in black ink, appearing to read "Kenneth Voss".

Digitally signed by
Kenneth Voss
Date: 2021.04.23
14:30:20 -05'00'

for State Design Engineer

FROM: **Amanda Brauer**
201 N. Second St – Suite 560
St Charles County, MO

SUBJECT: **Design**
Route 94 Roadway and Signal Improvements
St Charles County Project
Job No. CMAQ 5414(635)
Public Interest Finding

With reference to the above-mentioned project, we request approval of a finding in the public interest to use Sensys Networks wireless traffic detection devices and accessories for the project.

The Missouri Department of Transportation (MoDOT) uses this specific device as part of existing Intelligent Transportation Systems (ITS) currently deployed in this part of the Route 94 corridor. The project will upgrade and replace existing devices and closely integrate both device and communication protocols with existing MoDOT systems. It is therefore desirable that the proposed wireless magnetometer detection systems be deployed as part of the project to synchronize with existing criteria for such a device.

Past field performance has demonstrated that this product is relatively inexpensive, easy to operate, and simple to relocate – when necessary. It will not differ from existing MoDOT inventories, nor will it necessitate additional training of personnel.

Attachments

State Wage Rates

Missouri

Division of Labor Standards

WAGE AND HOUR SECTION



MICHAEL L. PARSON, Governor

Annual Wage Order No. 28

Section 092

ST. CHARLES 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 10, 2021

Last Date Objections May Be Filed: April 8, 2021

Prepared by Missouri Department of Labor and Industrial Relations

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Asbestos Worker	\$64.74
Boilermaker	\$71.41
Bricklayer	\$56.71
Carpenter	\$57.78
Lather	
Linoleum Layer	
Millwright	
Pile Driver	
Cement Mason	\$55.05
Plasterer	
Communications Technician	\$71.25
Electrician (Inside Wireman)	\$67.61
Electrician Outside Lineman	*\$29.14
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Elevator Constructor	\$88.60
Glazier	\$57.04
Ironworker	\$63.65
Laborer	\$46.62
General Laborer	
First Semi-Skilled	
Second Semi-Skilled	
Mason	\$52.46
Marble Mason	
Marble Finisher	
Terrazzo Worker	
Terrazzo Finisher	
Tile Setter	
Tile Finisher	
Operating Engineer	\$62.79
Group I	
Group II	
Group III	
Group III-A	
Group IV	
Group V	
Painter	\$42.74
Plumber	\$71.80
Pipe Fitter	
Roofer	\$54.11
Sheet Metal Worker	\$68.89
Sprinkler Fitter	\$72.42
Truck Driver	*\$29.14
Truck Control Service Driver	
Group I	
Group II	
Group III	
Group IV	

*The Division of Labor Standards received less than 1,000 reportable hours for this occupational title.
Public works contracting minimum wage is established for this occupational title using data provided by Missouri
Economic Research and Information Center.

**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title.

Heavy Construction Rates for
ST. CHARLES County

Section 092

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Carpenter	\$57.70
Millwright	
Pile Driver	
Electrician (Outside Lineman)	\$66.53
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Laborer	\$49.74
General Laborer	
Skilled Laborer	
Operating Engineer	\$62.92
Group I	
Group II	
Group III	
Group IV	
Truck Driver	*\$29.14
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 for this occupational title. Public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.

**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title.

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.

Federal Wage Rates

Superseded General Decision Number: M020200001

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 \$10.95 for calendar year 2021 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 \$10.95 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 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021
1	02/05/2021
2	02/12/2021
3	04/09/2021
4	04/23/2021
5	05/21/2021
6	05/28/2021
7	06/25/2021
8	07/09/2021
9	07/23/2021

* CARP0002-002 05/01/2021

ST. LOUIS COUNTY AND CITY

	Rates	Fringes
Carpenters.....	\$ 39.72	18.90

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

* CARP0011-001 05/01/2021

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.....\$	33.69	18.90
ATCHISON, ANDREW, BATES, CALDWELL, CARROLL, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HENRY, HOLT, LIVINGSTON, MERCER, NODAWAY, ST. CLAIR, SALINE AND WORTH COUNTIES.....\$	32.10	18.90
AUDRAIN (East of Hwy.19), RALLS, MARION, LEWIS, CLARK AND SCOTLAND COUNTIES.\$	33.70	18.90
BARRY, BARTON, CAMDEN, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, JASPER, LACLEDE, LAWRENCE, MCDONALD, NEWTON, OZARK, POLK, STONE, TANEY, VERNON, WEBSTER AND WRIGHT COUNTIES.\$	31.68	18.90
BENTON, MORGAN AND PETTIS...\$	32.15	18.90
BOLLINGER, BUTLER, CAPE GIRARDEAU, DUNKLIN, MISSISSIPPI, NEW MADRID, PEMISCOT, PERRY, STE. GENEVIEVE, SCOTT, STODDARD AND WAYNE COUNTIES.....\$	33.54	18.90
BUCHANAN, CLINTON, JOHNSON AND LAFAYETTE COUNTIES.....\$	32.85	18.90
CARTER, HOWELL, OREGON AND RIPLEY COUNTIES.....\$	32.43	18.90
CRAWFORD, DENT, GASCONADE, IRON, MADISON, MARIES, MONTGOMERY, PHELPS, PULASKI, REYNOLDS, SHANNON AND TEXAS COUNTIES.....\$	33.53	18.90
FRANKLIN COUNTY.....\$	37.14	18.90
JEFFERSON AND ST. CHARLES COUNTIES.....\$	39.72	18.90
LINCOLN COUNTY.....\$	35.50	18.90
PIKE, ST. FRANCOIS AND WASHINGTON COUNTIES.....\$	34.36	18.90
WARREN COUNTY.....\$	35.96	18.90

ELEC0001-002 05/31/2020

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.....	\$ 40.61	27.06

ELEC0002-001 01/01/2021		

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

	Rates	Fringes
Line Construction:		
Equipment Operator.....	\$ 41.23	21.81
Groundman & Truck Driver....	\$ 31.50	18.26
Lineman & Cable Splicer.....	\$ 48.03	24.31

ELEC0053-004 01/01/2021		

	Rates	Fringes
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Line Construction: (ANDREW,
ATCHINSON, BARRY, BARTON,
BUCHANAN, CALDWELL, CEDAR,
CHRISTIAN, CLINTON, DADE,
DALLAS, DAVIES,, DEKALB,
DOUGLAS, GENTRY, GREENE,
GRUNDY, HARRISON, HICKORY,
HOLT, JASPER, LACLEDE,
LAWRENCE, LIVINGSTON,
MCDONALD, MERCER, NEWTON,
NODAWAY, OZARK, POLK, ST.
CLAIR, STONE, TANEY, VERNON,
WEBSTER, WORTH AND WRIGHT
COUNTIES)

Groundman Powderman.....	\$ 32.92	17.98
Groundman.....	\$ 30.72	17.20
Lineman Operator.....	\$ 44.49	21.86
Lineman.....	\$ 48.84	23.35

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

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

ELEC0095-001 06/01/2020

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

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 25.40	12.19
Electricians.....	\$ 27.43	17.44

ELEC0124-007 08/26/2019

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

	Rates	Fringes
Electricians.....	\$ 40.79	22.92

ELEC0257-003 03/01/2020

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

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 30.42	16.085
Electricians.....	\$ 34.00	18.68

ELEC0350-002 12/01/2019

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

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

ELEC0453-001 09/01/2020

	Rates	Fringes
Electricians:		
CHRISITAN, DALLAS, DOUGLAS, GREENE, HICKORY, HOWELL, LACLEDE, OREGON, OZARK, POLK, SHANNON, WEBSTER and WRIGHT COUNTIES..	\$ 28.10	15.81
PULASKI and TEXAS COUNTIES..	\$ 32.76	16.27
STONE and TANEY COUNTIES....	\$ 23.89	14.99

ELEC0545-003 06/01/2020

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

	Rates	Fringes
Electricians:.....	\$ 33.00	18.10

ELEC0702-004 12/30/2019		

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

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

ENGI0101-001 05/01/2020		

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

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and
spreader; asphalt plant operator; auto grader or trimmer or
sub-grader; backhoe; blade operator (all types); boilers -
2; booster pump on dredge; bulldozer operator; boring
machine (truck or crane mounted); clamshell operator;
concrete mixer paver; concrete plant operator; concrete
pump operator; crane operator; derrick or derrick trucks;
ditching machine; dragline operator; dredge engineman;
dredge operator; drill cat with compressor mounted
(self-contained) or similar type self- propelled rotary
drill (not air tract); drilling or boring machine
(rotary-self-propelled); finishing machine operator;
greaser; high loader-fork lift-skid loader (all types);
hoisting engineer (2 active drums); locomotive operator
(standard guage); mechanics and welders (field and plants);
mucking machine operator; pile drive operator; pitman crane
or boom truck (all types);push cat; quad track; scraper

operators (all types); shovel operator; sideboom cats; side discharge spreader; skimmer scoop operators; slip form paver operator (CMI, Rex, Gomeco or equal); la tourneau rooter (all tiller types); tow boat operator; truck crane; wood and log chippers (all types).

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

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

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

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

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

ENGI0101-005 04/01/2020

CASS, CLAY, JACKSON,PLATTE AND RAY COUNTIES

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Asphalt roller operator, finish; asphalt paver and spreader; asphalt plant operator; auto grader or trimmer or sub-grader; backhoe; blade operator (all types); boilers-2; booster pump on dredge; boring machine (truck or crane mounted); bulldozer operator; clamshell operator; concrete cleaning decontamination machine operator; concrete mixer

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

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

GROUP 3: Oilers

GROUP 4: Oiler Driver (All Types)

FOOTNOTE:
HOURLY PREMIUMS FOLLOWING CLASSIFICATIONS SHALL RECEIVE (\$1.00) ABOVE GROUP 1 RATE:
Clamshells - 3 yd. capacity or over; Cranes or rigs, 80 ft. of boom or over (including jib); Draglines, 3 yd. capacity or over;
Piledrivers 80 ft. of boom or over (including jib);
Shovels & backhoes, 3 yd. capacity or over.

ENGI0101-022 05/01/2019

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

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

GROUP 4: Grade checker; Oiler; Oiler-Driver

HOURLY PREMIUMS:

The following classifications shall receive \$.25 above GROUP 1 rate:
Clamshells - 3 yds. or over; Cranes - Rigs or Piledrivers, 100 ft. of boom or over (including jib);
Draglines - 3 yds. or over; Hoists - each additional active drum over 2 drums; Shovels- 3 yds. or over;

The following classifications shall receive \$.50 above GROUP 1 rate:
Tandem scoop operator; Cranes - Rigs or Piledrivers, 150 ft. to 200 ft. of boom (including jib); Tandem scoop.

The following classifications shall receive \$.75 above GROUP 1 rate:
Cranes - Rigs or Piledrivers, 200 ft. of boom or over (including jib.).

ENGI0513-004 05/06/2019

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

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

Three or more drums in use; Hoist, Stack, Hydro-Hammer;
Lad-A-Vator, hoisting brick or concrete; Loading Machine
such as Barber-Greene; Mechanic on job site

GROUP 2: Air Tugger with plant air; Boiler (for power or
heating shell of building or temporary enclosures in
connection with construction work); Boiler, Temporary;
Compressor, One over 125 CFM; Compressor, truck mounted;
Conveyor, Large (not self- propelled); Conveyor, Large (not
self- propelled) moving brick and concrete (distributing)
on floor level; Curb Finishing Machine; Ditch Paving
Machine; Elevator (outside); Endless Chain Hoist; Fireman
(as required); Form Grader; Hoist, One Drum regardless of
size (except brick or concrete); Lad-A-Vator, other
hoisting; Manlift; Mixer, Asphalt, over 8 cu ft capacity;
Mixer, one bag capacity or less; Mixer, without side
loader, two bag capacity or more; Mixer, with side loader,
regardless of size, not Paver; Mud Jack (where mud jack is
used in conjunction with an air compressor, operator shall
be paid \$.55 per hour in addition to his basic hourly rate
for covering both operations); Pug Mill operator; Pump,
Sump - self powered, automatic controlled over 2"; Scissor
Lift (used for hoisting); Skid Steer Loader; Sweeper,
Street; Tractor, small wheel type 50 HP and under with
grader blade and similar equipment; Welding Machine, One
over 400 amp; Winch, operating from truck

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

GROUP 4: Crane type

HOURLY PREMIUMS:

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

ENGI0513-006 05/01/2021

ADAIR, AUDRAIN, BOLLINGER, BOONE, BUTLER, CALLAWAY, CAPE
GIRARDEAU, CARTER, CLARK, COLE, CRAWFORD, DENT, DUNKLIN,
GASCONADE, HOWELL, IRON, KNOX, LEWIS, MACON, MADISON, MARIES,
MARION, MILLER, MISSISSIPPI, MONITEAU, MONROE, MONTGOMERY,
MORGAN, NEW MADRID, OREGON, OSAGE, PEMISCOT, PERRY, PHELPS,
PIKE, PULASKI, PUTNAM, RALLS, RANDOLPH, REYNOLDS, RIPLEY, ST.

FRANCOIS, STE. GENEVIEVE, SCHUYLER, SCOTLAND, SCOTT, SHANNON,
SHELBY, STODDARD, TEXAS, WASHINGTON, AND WAYNE COUNTIES

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 32.14	28.22
GROUP 2.....	\$ 31.79	28.22
GROUP 3.....	\$ 31.59	28.22
GROUP 4.....	\$ 27.94	28.22

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

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

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

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

FOOTNOTE: HOURLY PREMIUMS

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

ENGI0513-007 05/06/2019

ST. LOUIS CITY AND COUNTY

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

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

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

GROUP 2: Air tugger w/air compressor; anchor-placing barge; asphalt spreader; athey force feeder loader (self-propelled); backfilling machine; backhoe-loader; boat operator-push boat or tow boat (job site); boiler, high pressure breaking in period; boom truck, placing or erecting; boring machine, footing foundation; bull- float; cherry picker; combination concrete hoist & mixer (such as mixer mobile); compressor (when operator runs throttle); concrete breaker (truck or tractor mounted); concrete pump, such as pump-crete machine; concrete saw (self-propelled), concrete spreader; conveyor, large (not self-propelled), hoisting or moving brick and concrete into, or into and on floor level, one or both; crane, hydraulic-rough terrain, self-propelled; crane hydraulic-truck or cruiser mounted-under 16 tons; drilling machines, self-powered use for earth or rock drilling or boring (wagon drills nd any

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

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

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

HOURLY PREMIUMS:

Backhoe, hydraulic	
2 cu. yds. or under without oiler	\$2.00
Certified Crane Operator	1.50
Certified Hazardous Material Operator	1.50
Crane, climbing (such as Linden)	.50
Crane, pile driving and extracting	.50
Crane, with boom (including jib) over 100' (from pin to pin) add \$.01 per foot to maximum of	4.00
Crane, using rock socket tool	.50
Derrick, diesel, gas or electric, hoisting material and erecting steel (150' or more above ground)	.50
Dragline, 7 cu. yds. and over	.50
Hoist, three (3) or more drums in use	.50
Scoop, Tandem	.50
Shovel, power - 7 cu. yds. or more	.50
Tractor, tandem crawler	.50
Tunnel, man assigned to work in tunnel or tunnel shaft	.50
Wrecking, when machine is working on	

IRON0010-012 04/01/2021		
	Rates	Fringes
Ironworkers:		
ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, HOWARD, LACLEDE, LINN, LIVINGSTON, MERCER, MONITEAU, MORGAN, NODAWAY, POLK, PUTNAM, RANDLOPH, ST. CLAIR, SULLIVAN, TANEY, VERNON, WEBSTER, WRIGHT and WORTH Counties and portions of ADAIR, BOONE, MACON, MILLER and RANDOLPH Counties.....\$ 31.50		31.99
ANDREW, BARTON, BENTON, CAMDEN, CEDAR, CHARITON, CHRISTIAN, COOPER, DADE, DALLAS, DAVIESS, DE KALB, GENTRY, GREENE, GRUNDY, HARRISON, HICKORY, HOLT, HOWARD, LACLEDE, LINN, LIVINGSTON, MERCER, MONITEAU, MORGAN, NODAWAY, PETTIS, POLK, PUTNAM, RANDLOPH, ST. CLAIR, SULLIVAN, TANEY, VERNON, WEBSTER, WRIGHT and WORTH Counties and portions of ADAIR, BOONE, MACON, MILLER and RANDOLPH Counties.....\$ 30.55		30.44
ATCHISON, BATES, BUCHANAN, CALDWELL, CARROLL, CASS, CLAY, CLINTON, HENRY, JACKSON, JOHNSON, LAFAYETTE, PETTIS, PLATTE, SALINE, AND RAY COUNTIES....\$ 34.50		31.99

IRON0321-002 08/01/2020		
DOUGLAS, HOWELL and OZARK COUNTIES		
	Rates	Fringes
Ironworker.....\$ 22.00		19.26

IRON0396-004 08/05/2020		
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.....	\$ 35.86	28.11

IRON0396-009 08/05/2020		
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.....	\$ 31.39	29.20

IRON0577-005 08/01/2020		
ADAIR, CLARK, KNOX, LEWIS, MACON, MARION, MONROE, RALLS, SCHUYLER, SCOTLAND, AND SHELBY COUNTIES		

	Rates	Fringes
Ironworker.....	\$ 27.65	24.20

IRON0584-004 06/01/2019		
BARRY, JASPER, LAWRENCE, MCDONALD, NEWTON AND STONE Counties		

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

IRON0782-003 08/01/2020		
CAPE GIRARDEAU, MISSISSIPPI, NEW MADRID, SCOTT, & STODDARD Counties; and portions of BOLLINGER, BUTLER, CARTER, DUNKLIN, MADISON, PEMISCOT, PERRY, RIPLEY, and WAYNE Counties		

	Rates	Fringes
Ironworkers:		
Locks, Dams, Bridges and other major work on the Mississippi and Ohio River only.....	\$ 31.63	24.27
All Other Work.....	\$ 28.29	23.77

LAB00042-003 03/04/2021		

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Plumber Laborer.....	\$ 35.00	16.37

LAB00042-005 03/04/2021		

ST. LOUIS (City and County)

	Rates	Fringes
LABORER		
Dynamiter, Powderman.....	\$ 35.00	16.37
Laborers, Flaggers.....	\$ 35.00	16.37
Wrecking.....	\$ 35.00	16.37

LAB00424-002 05/01/2020

	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.....	\$ 30.75	14.57
GROUP 2.....	\$ 30.75	14.57
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.....	\$ 30.75	14.57
GROUP 2.....	\$ 30.75	14.57
FRANKLIN COUNTY		
GROUP 1.....	\$ 32.86	14.57
GROUP 2.....	\$ 33.46	14.57
JEFFERSON COUNTY		
GROUP 1.....	\$ 32.91	14.57
GROUP 2.....	\$ 33.51	14.57
LINCOLN, MONTGOMERY AND WARREN COUNTIES		
GROUP 1.....	\$ 34.33	14.57
GROUP 2.....	\$ 34.33	14.57
ST.CHARLES COUNTY		
GROUP 1.....	\$ 34.33	14.57
GROUP 2.....	\$ 34.33	14.57

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; abutment and pier hole men working six (6) ft. or more below ground; men working in coffer dams for bridge piers and footing in the river; barco tamper; jackson or any other similar tamp; cutting torch man; liners, curb, gutters, ditch lines; hot mastic kettlemen; hot tar applicator; hand blade operator; mortar men or brick or block manholes; rubbing concrete, air tool operator under 65 lbs.; caulker and lead man; chain or concrete saw under 15 h.p.; signal Gan; Guard rail and sign erectors.

GROUP 2 - Skilled laborers - Vibrator man; asphalt raker; head pipe layer on sewer work; batterboard man on pipe and ditch work; cliff scalers working from bosun's chairs; scaffolds or platforms on dams or power plants over 10 ft. high; air tool operator over 65 lbs.; stringline man on concrete paving; sandblast man; laser beam man; wagon drill; churn drill; air track drill and all other similar type drills, gunite nozzle man; pressure grout man; screed man on asphalt; concrete saw 15 h.p. and over; grade checker; strigline man on electronic grade control; manhole builder; dynamite man; powder man; welder; tunnel man; waterblaster - 1000 psi or over; asbestos and/or hazardous waste removal and/or disposal

LAB00579-005 05/01/2021

	Rates	Fringes
LABORER (ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, GRUNDY, HARRISON, HOLT, LIVINGSTON, MERCER, NODAWAY and WORTH COUNTIES.)		
GROUP 1.....	\$ 27.71	15.92
GROUP 2.....	\$ 28.06	15.92
LABORER (BARRY, BARTON, BATES, BENTON, CAMDEN, CARROLL, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HENRY. HICKORY, JASPER, JOHNSON, LACLEDE, LAWRENCE, MCDONALD, MORGAN, NEWTON, OZARK, PETTIS, POLK, ST.CLAIR, SALINE, STONE, TANEY, VERNON, WEBSTER and WRIGHT COUNTIES)		
GROUP 1.....	\$ 26.76	15.07

GROUP 2.....	\$ 27.31	15.07
LABORER (LAFAYETTE COUNTY)		
GROUP 1.....	\$ 27.76	14.87
GROUP 2.....	\$ 28.11	14.87

LABORERS CLASSIFICATIONS

GROUP 1: General Laborers - Carpenter tenders; salamander tenders; loading trucks under bins; hoppers & conveyors; track men & all other general laborers; air tool operator; cement handler-bulk or sack; dump man on earth fill; georgie buggy man; material batch hopper man; material mixer man (except on manholes); coffer dams; riprap pavers - rock, block or brick; signal man; scaffolds over ten feet not self-supported from ground up; skipman on concrete paving; wire mesh setters on concrete paving; all work in connection with sewer, water, gas, gasoline, oil drainage pipe, conduit pipe, tile and duct lines and all other pipe lines; power tool operator, all work in connection with hydraulic or general dredging operations; puddlers (paving only); straw blower nozzle man; asphalt plant platform man; chuck tender; crusher feeder; men handling creosote ties or creosote materials; men working with and handling epoxy material or materials (where special protection is required); rubbing concrete; topper of standing trees; batter board man on pipe and ditch work; feeder man on wood pulverizers; board and willow mat weavers and cable tiers on river work; deck hands; pile dike and revetment work; all laborers working on underground tunnels less than 25 feet where compressed air is not used; abutment and pier hole men working six (6) feet or more below ground; men working in coffer dams for bridge piers and footings in the river; ditchliners; pressure groutmen; caulker; chain or concrete saw; cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground; mortarmen on brick or block manholes; toxic and hazardous waste work.

GROUP 2: Skilled Laborers - Head pipe layer on sewer work; laser beam man; Jackson or any other similar tamp; cutting torch man; form setters; liners and stringline men on concrete paving, curb, gutters; hot mastic kettleman; hot tar applicator; sandblasting and gunite 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.

LAB00663-002 04/01/2021

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 31.83	16.68
GROUP 2.....	\$ 33.04	16.68

LABORERS CLASSIFICATIONS

GROUP 1: General laborers, Carpenter tenders, salamander

tenders, loading trucks over bins, hoppers and conveyors, track men and all other general laborers, air tool operator, cement handler (bulk or sack), chain or concrete saw, deck hands, dump man on earth fill, Georgie Buggies man, material batch hopper man, scale man, material mixer man (except on manholes), coffer dams, abutments and pier hole men working below ground, riprap pavers rock, black or brick, signal man, scaffolds over ten feet not self-supported from ground up, skipman on concrete paving, wire mesh setters on concrete paving, all work in connection with sewer,water, gas, gasoling, oil, drainage pipe, conduit pipe, tile and duct lines and all other pipelines, power tool operator, all work in connection with hydraulic or general dredging operations, straw blower nozzleman,asphalt plant platform man, chuck tender, crusher feeder, men handling creosote ties on creosote materials, men working with and handling epoxy material or materials (where special protection is required), topper of standing trees, batter board man on pipe and ditch work, feeder man on wood pulverizers, board and willow mat weavers and cable tiers on river work, deck hands, pile dike and revetment work, all laborers working on underground tunnels less than 25 feet where compressed air is not used, abutment and pier hole men working six (6) feet or more below ground, men working in coffer dams for bridge piers and footings in the river, ditchliners, pressure groutmen, caulker and chain or concrete saw, cliffscalers working from scaffolds, bosuns' chairs or platforms on dams or power plants over (10) feet above ground, mortarmen on brick or block manholes, signal man.

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

PAIN0002-002 09/01/2007

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

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

Taper (Ames Tools & Bazooka).....	\$ 30.21	10.24
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PAIN0002-006 04/01/2020

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.....	\$ 26.64	13.98
Brush and Roll; Taping, Paperhanging.....	\$ 24.64	13.98
Epoxy or Any Two Part Coating; Sandblasting; Stage or other Aerial Work - Platforms over 50 feet high; Lead Abatement.....	\$ 25.64	13.98
Spray; Structural Steel (over 50 feet).....	\$ 24.64	13.98
Tapers using Ames or Comparable Tools.....	\$ 25.39	13.98

PAIN0003-004 04/01/2019

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

	Rates	Fringes
Painters:		
Bridgeman; Lead Abatement; Sandblast; Storage Bin & Tanks.....	\$ 33.41	17.76
Brush & Roller.....	\$ 30.54	17.76
Drywall.....	\$ 31.74	17.76
Paper Hanger.....	\$ 31.04	17.76
Stageman; Beltman; Steelman; Elevator Shaft; Bazooka, Boxes and Power Sander; Sprayman; Dipping...	\$ 32.41	17.76
Steeplejack.....	\$ 36.98	17.76

PAIN0003-011 04/01/2019

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.....	\$ 26.73	17.76
Brush & Roller.....	\$ 24.43	17.76

Drywall.....	\$ 25.39	17.76
Paper Hanger.....	\$ 24.83	17.76
Stageman; Beltman;		
Steelman; Elevator Shaft;		
Bazooka, Boxes and Power		
Sander; Sprayman; Dipping...	\$ 26.35	17.76
Steeplejack.....	\$ 29.58	17.76

PAIN0203-001 04/01/2012

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

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

PAIN1265-003 07/01/2013

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

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

PAIN1292-002 09/01/2016

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

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

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

PAIN1292-003 09/01/2017

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

	Rates	Fringes
Painters:		
Bridges, Stacks & Tanks.....	\$ 31.05	12.74
Brush & Roller.....	\$ 25.70	12.74
Spray & Abrasive Blasting; Waterblasting (Over 5000 PSI).....	\$ 28.70	12.74
Height Rates (All Areas):		
Over 60 ft. \$0.50 per hour		
Under 60 ft. \$0.25 per hour.		

PAIN2012-001 04/01/2020

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

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 32.91	17.86
Sandblaster.....	\$ 34.41	17.86
Steeplejack.....	\$ 37.98	17.86

PLAS0518-006 03/01/2020

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

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

PLAS0518-007 04/01/2021

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

	Rates	Fringes
Cement Masons:.....	\$ 33.67	18.30

PLAS0518-011 04/01/2019

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

Rates	Fringes
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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 06/01/2021		
CASS, CLAY, JACKSON, JOHNSON, AND PLATTE COUNTIES		
	Rates	Fringes
Plumbers.....	\$ 49.43	23.29

PLUM0008-017 06/01/2021		
BATES, BENTON, CARROLL, HENRY, LAFAYETTE, MORGAN, PETTIS, RAY, ST. CLAIR, SALINE AND VERNON COUNTIES		
	Rates	Fringes

Plumbers.....	\$ 49.43	23.29

PLUM0045-003 08/01/2020		
ANDREW, ATCHISON, BUCHANAN, CALDWELL, CLINTON, DAVIESS, DEKALB, GENTRY, HARRISON, HOLT, NODAWAY AND WORTH COUNTIES		
	Rates	Fringes
Plumbers and Pipefitters.....	\$ 38.75	24.15

PLUM0178-003 11/01/2020		
BARRY, CEDAR, CHRISTIAN, DADE, DALLAS, DOUGLAS, GREENE, HICKORY, LACLEDE, LAWRENCE, POLK, STONE, TANEY, WEBSTER AND WRIGHT COUNTIES		
	Rates	Fringes
Plumbers and Pipefitters.....	\$ 32.60	15.12

PLUM0178-006 11/01/2020		
BARTON, JASPER, MCDONALD AND NEWTON COUNTIES		
	Rates	Fringes
Plumbers and Pipefitters		
Projects \$750,000 & under...	\$ 29.63	15.22
Projects over \$750,000.....	\$ 32.60	15.12

PLUM0533-004 06/01/2021		
BATES, BENTON, CARROLL, CASS, CLAY, HENRY, HICKORY, JACKSON, JOHNSON, LAFAYETTE, MORGAN, PETTIS, PLATTE, RAY, SALINE, ST. CLAIR AND VERNON COUNTIES		
	Rates	Fringes
Pipefitters.....	\$ 49.98	22.95

* PLUM0562-004 07/01/2021		
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.....\$	43.16	21.49
Mechanical Contracts		
including all piping and		
temperature control work		
over \$7.0 million.....\$	45.10	27.85

* PLUM0562-016 07/01/2021

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

	Rates	Fringes
Plumbers		
Mechanical Contracts		
including all piping and		
temperature control work		
\$7.0 million & under.....\$	43.16	21.49
Mechanical Contracts		
including all piping and		
temperature control work		
over \$7.0 million.....\$	45.10	27.85

TEAM0013-001 05/01/2021

	Rates	Fringes
Truck drivers (ADAIR, BUTLER, CLARK, DUNKIN, HOWELL, KNOX, LEWIS, OREGON, PUTNAM, RIPLEY, SCHUYLER AND SCOTLAND COUNTIES)		
GROUP 1.....\$	31.44	14.75
GROUP 2.....\$	31.60	14.75
GROUP 3.....\$	31.59	14.75
GROUP 4.....\$	31.71	14.75
Truck drivers (AUDRAIN, BOLLINGER, BOONE, CALLAWAY, CAPE GIRARDEAU, CARTER, COLE, CRAWFORD, DENT, GASCONADE, IRON, MACON, MADISON, MARIES, MARION, MILLER, MISSISSIPPI, MONROE, MONTGOMERY, NEW MADRID, OSAGE, PEMISCOT, PERRY, PHELPS, PIKE, PULASKI, RALLS, REYNOLDS, ST. FRANCOIS, STE. GENEVIEVE, SCOTT, SHANNON, SHELBY, STODDARD, TEXAS, WASHINGTON AND WAYNE COUNTIES)		
GROUP 1.....\$	32.17	14.75
GROUP 2.....\$	32.33	14.75
GROUP 3.....\$	32.32	14.75
GROUP 4.....\$	32.44	14.75
Truck drivers (FRANKLIN, JEFFERSON and ST. CHARLES COUNTIES)		
GROUP 1.....\$	34.53	14.75
GROUP 2.....\$	34.64	14.75
GROUP 3.....\$	34.68	14.75

GROUP 4.....	\$ 34.75	14.75
Truck drivers (LINCOLN and WARREN COUNTIES)		
GROUP 1.....	\$ 33.18	14.75
GROUP 2.....	\$ 33.29	14.75
GROUP 3.....	\$ 34.33	14.75
GROUP 4.....	\$ 33.40	14.75

TRUCK DRIVERS CLASSIFICATIONS:

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

GROUP 2: Agitator and Transit Mix Trucks

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

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

TEAM0056-001 05/01/2020

	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.....	\$ 31.37	14.25
GROUP 2.....	\$ 31.53	14.25
GROUP 3.....	\$ 31.52	14.25
GROUP 4.....	\$ 31.64	14.25
Truck drivers: (ATCHISON, BARRY, GENTRY, GRUNDY, HARRISON, HOLT, MCDONALD, MERCER, NODAWAY, OZARK, STONE, SULLIVAN, TANEY AND WORTH COUNTIES)		
GROUP 1.....	\$ 30.64	14.25
GROUP 2.....	\$ 30.80	14.25
GROUP 3.....	\$ 30.79	14.25
GROUP 4.....	\$ 30.91	14.25
Truck drivers; (BUCHANAN, JOHNSON AND LAFAYETTE COUNTIES)		
GROUP 1.....	\$ 32.58	14.25

GROUP 2.....	\$ 32.69	14.25
GROUP 3.....	\$ 32.73	14.25
GROUP 4.....	\$ 32.80	14.25

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-trucks, speedace, euclids & other similar equipment; A-frames and derrick trucks; float or low boy.

TEAM0245-001 03/26/2012

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

	Rates	Fringes
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Truck drivers:

Traffic Control Service		
Driver.....	\$ 20.45	0.00

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

TEAM0541-001 04/01/2021

CASS, CLAY, JACKSON, PLATTE AND RAY COUNTIES

	Rates	Fringes
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Truck drivers:

GROUP 1.....	\$ 33.71	16.75
GROUP 2.....	\$ 32.62	16.75
GROUP 3.....	\$ 33.14	16.75

TRUCK DRIVERS CLASSIFICATIONS

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

GROUP 2: Articulated Dump Truck; Insley Wagons: Dump Trucks, Excavating, 5 cu yds and over; Dumpsters; Half-Tracks: Speedace: Euclids & similar excavating equipment Material trucks, Tandem Two teams; Semi-Trailers; Winch trucks-Fork trucks; Distributor Drivers and Operators; Agitator and

Transit Mix; Tank Wagon Drivers, Tandem or Semi; One Team;
Station Wagons; Pickup Trucks; Material Trucks, Single
Axle; Tank Wagon Drivers, Single Axle

GROUP 3: Oilers and Greasers - Field

TEAM0682-002 05/01/2017

ST LOUIS CITY AND COUNTY

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

- a. PENSION: 5/1/2012 - \$182.20 per week.
- b. HAZMAT PREMIUM: If Hazmat certification on a job site is required by a state or federal agency or requested by project owner or by the employer, employees on that job site shall receive \$1.50 premium pay.

TRUCK DRIVERS CLASSIFICATIONS

- GROUP 1 - Pick-up trucks; forklift, single axle; flatbed trucks; job site ambulance, and trucks or trailers of a water level capacity of 11.99 cu. yds. or less
- GROUP 2 - Trucks or trailers of a water level capacity of 12.0 cu yds. up to 22.0 cu yds. including euclids, speedace and similar equipment of same capacity and compressors
- GROUP 3 - Trucks or trailers of a water level capacity of 22.0 cu. yds & over including euclids, speedace & all floats, flatbed trailers, boom trucks, winch trucks, including small trailers, farm wagons tilt-top trailers, field offices, tool trailers, concrete pumps, concrete conveyors & gasoline tank trailers and truck mounted mobile concrete mixers

FOOTNOTE FOR TRUCK DRIVERS:

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

he shall receive 4 times the number of days of vacation specified above.

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

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

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

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

Union Rate Identifiers

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

Union prevailing wage rates are updated to reflect all rate

changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

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

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

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

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

WAGE DETERMINATION APPEALS PROCESS

- 1.) Has there been an initial decision in the matter? This can be:
- * an existing published wage determination
 - * a survey underlying a wage determination
 - * a Wage and Hour Division letter setting forth a position on a wage determination matter
 - * a conformance (additional classification and rate) ruling

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

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

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

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

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

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

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

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

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

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END OF GENERAL DECISION"