



MISSOURI
HIGHWAYS and TRANSPORTATION
COMMISSION
JEFFERSON CITY, MISSOURI

REQUEST FOR BID

BID OF

Vendor Number _____

Name _____

Address _____

FOR
CONSTRUCTING OR IMPROVING
Contract I.D. CD-16-073B

STATE PROJECT

Micro Surfacing
Route E @ State Maintenance Ends to Route 8
Route H @ Interstate 44 to State Maintenance Ends
Crawford County, MO

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 Sections 101-103 of the Missouri Standard Specifications for Highway Construction, 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. 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 by one or more persons legally qualified to execute papers in the name of said firm or corporation.
- ☐ 3. The bidder shall submit a Bid Guaranty meeting the requirements of Section 102 of the Missouri Standard Specifications for Highway Construction. If submitting a project specific or annual bid bond, bidders must use the MoDOT provided bid bond forms. The project specific bid bond form is included in the request for bid. Annual bid bonds (both paper and electronic) shall be executed by June 15th of each year. Bid bonds delivered by US Mail should be mailed to: Missouri Highways and Transportation Commission, Attention: **Sheldon Redel, General Services, 1511 Missouri Blvd, Jefferson City, MO 65109**.

All questions concerning the bid document preparation shall be directed to Sheldon Redel at (573) 751-7708. Project specific questions shall be directed to the project contact, Joe Moore at (573) 526 - 6885.

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Application Affidavit for Sole-Proprietorship or Partnership

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General Wage Order #59

NOTICE TO CONTRACTORS

Each bid must be mailed or hand delivered in a sealed envelope to Ms. Sheldon Redel, General Services, 1511 Missouri Blvd, Jefferson City MO 65109

Bids must be returned to the office of Ms. Sheldon Redel no later than **10:00 a.m., Local Time, June 15, 2016.**

- (1) **PROPOSED WORK:** The proposed work, hereinafter called the work, includes:

Micro Surfacing on Route E and H in Crawford County, MO.

(2) **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, 2011," and "Missouri Standard Plans for Highway Construction, 2009", their revisions, and the request for bid, including appendices, the special provisions and plans, hereby proposes to furnish all labor, materials, equipment, services, etc., required for the performance and completion of the work. All references are to the Missouri Standard Specifications for Highway Construction, as revised, unless otherwise noted. **All questions concerning the bid document preparation shall be directed to Sheldon Redel – General Services Division at (573) 751-7708.**

(3) **PERIOD OF PERFORMANCE:** If the bid is accepted, the bidder shall continuously and diligently prosecute the work in such order and manner as will ensure the completion of the work within the time specified in the Time for Completion of the Work in accordance with Sec. F in this Scope of Work.

(4) **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 as specified in the Time for Completion of the Work in accordance with Sec. F in this Scope of Work.

(5) **ACCEPTANCE FOR PROVISION FOR ASPHALT CEMENT PRICE INDEX, SEAL COAT PRICE INDEX, UNDERSEAL PRICE INDEX OR UBAWS MEMBRANE PRICE INDEX:** Bidders have the option to accept the provision for Asphalt Cement Price Index, Seal Coat Price Index, Underseal Price Index and/or UBAWS Membrane Price Index in accordance with the General Provisions. The bidder must mark each box below if they choose to accept the provision. No price adjustments will be made, due to asphalt price changes, for bidders who do not accept this provision. The Asphalt Cement provision applies only to projects that have a quantity of asphalt wet ton mix pay items or converted square yard quantity over 1,000 tons, the Seal Coat provision applies only to projects that have a quantity that exceeds 50,000 square yards, the Underseal provision applies only to any projects that have a quantity that exceeds 10,000 gallons, and the UBAWS Membrane provision applies only to projects that have a quantity that exceeds 5,000 square yards. The above quantity limits apply to an individual project or any number of projects in the contract combination.

☐ Asphalt Cement ☐ Seal Coat ☐ Underseal ☐ UBAWS Membrane

(6) **CONSTRUCTION SAFETY PROGRAM:** Missouri law, 292.675 RSMo, requires the awarded Contractor and its subcontractor(s) to provide a ten-hour occupational safety and health administration (OSHA) construction safety program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operators, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The Contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMo, unless they hold documentation on their prior completion of said program. Penalties for non-compliance include Contractor forfeiture to the Commission in the amount of \$2,500, plus \$100 per contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMo.

(7) **PERSONAL PROTECTIVE EQUIPMENT:** All contractor and subcontractor employees utilized in the performance of work resulting from this request must adhere to OSHA standards and at a minimum shall utilize appropriate head, eye and foot protection in the performance of work.

All workers within highway right of way shall wear approved ANSI/ISEA 107 Performance Class 2 or 3 safety apparel and more specifically as follows:

Daytime Flagger. During daytime activities, flaggers shall wear a high visibility hard hat, safety glasses, a Performance Class 3 top OR a Performance Class 2 top, and safety footwear. Hard hats other than high visibility orange or green shall be covered with a high visibility covering.

Daytime Worker. During daytime activities, workers shall wear a hard hat, safety glasses, a Performance Class 3 top OR a Performance Class 2 top, and safety footwear.

Nighttime Flagger. During nighttime activities, flaggers shall wear a high visibility/reflective hard hat, safety glasses, a Performance Class 3 top AND Class E bottoms, OR Performance Class 2 top AND Class E bottoms, and safety footwear. Hard hats shall be reflective or covered with a high visibility covering.

Nighttime Worker. During nighttime activities, workers shall wear a hard hat, safety glasses, a Performance Class 3 top OR Performance Class 2 top AND Class E bottoms, and safety footwear.

(8) **PREVAILING WAGE:** General Wage order #59 to apply, Crawford County, MO.

(9) **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 and the project and annual bid bond forms are also available on MoDOT's website. Paper annual bid bonds shall be submitted to MoDOT by June 15th of each year, and electronic annual bid bonds shall be executed by June 15th of each year. The bidder shall mark the box below to identify the type of Bid Guaranty.

- ☐ Paper Annual Bid Bond
- ☐ Cashier's Check/Paper Project Bid Bond
- ☐ Electronic Bid Bond

(10) **CERTIFICATIONS FOR STATE JOBS:** (Applies to State projects only.) By signing and submitting this bid, the bidder makes the certifications appearing in Sec. 102.18.2 (regarding disbarment, eligibility, indictments, convictions, or civil judgments), Sec. 102.18.3 (regarding anti-collusion), and Sec. 102.18.5 (regarding Missouri Domestic Products Procurement Act). Any necessary documentation is to accompany the bid submission, as required by these sections. As provided in Sec. 108.13, the Commission 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.

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

(12) PREFERENCE TO MISSOURI FIRMS IN AWARDING OF CONTRACTS: (Applies to State Projects and Federal/State Project combinations only) The bidder's attention is directed to Section 34.355 RSMo Supp 2000, et seq, which requires that preference be given in awarding contracts to firms, corporations, or individuals doing business as Missouri firms, corporations, or individuals, or which maintain Missouri offices or places of business, when the quality of performance promised is equal, or better, and the price quoted is the same, or less.

The law also requires that a contractor or bidder domiciled outside the state of Missouri shall be required, in order to be the successful bidder, to submit a bid which is the same percent less than the lowest bid submitted by a responsible contractor or bidder domiciled in Missouri as would be required for the Missouri domiciled contractor or bidder to succeed over the bidding contractor or bidder domiciled outside Missouri in a like contract or bid being let in his domiciliary state. A contractor or bidder domiciled outside Missouri shall also be required to submit an audited financial statement as would be required of a Missouri domiciled contractor or bidder on a like contract or bid being let in the domiciliary state of that contractor or bidder.

For firms, corporations or individuals domiciled outside the state of Missouri, it is requested they submit the following information:

List the state of domicile

List address of all Missouri offices or places of business

(13) 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.

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

☐ sole individual

☐ partnership

☐ joint venture

☐ corporation, incorporated under laws of state of _____.

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

Executed by bidder this _____ day of _____ 20____.

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

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

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

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

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

Please print or type name and title of person signing here

Attest:

Secretary of Corporation if Bidder is a Corporation

Affix Corporate Seal (If Bidder is a Corporation)

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

(14) INSURANCE REQUIREMENTS: The bidder shall maintain or cause to be maintained at bidder's own expense commercial general liability, automobile liability, worker's compensation insurance against negligent acts, errors or omissions of the Contractor, or its subcontractors and anyone directly or indirectly employed by any of them. Any insurance policy required as specified in Section 107.13 shall be written by a company that is licensed and authorized to issue such insurance in the state of Missouri.

(15) INVOICING AND PAYMENT REQUIREMENTS: The contractor shall submit an itemized invoice to the following address after the completion of deliverables, as specified herein.

Missouri Department of Transportation
General Services
1511 Missouri Blvd
Jefferson City, MO 65109

Each invoice should be itemized in accordance with items listed on the purchase order and/or contract. The statewide financial management system has been designed to capture certain receipt and payment information. Therefore, each invoice submitted must reference the purchase order number and must be itemized in accordance with items listed on the purchase order. Failure to comply with this requirement may delay processing of invoices for payment.

The contractor shall be paid in accordance with the firm, fixed prices stated on the pricing page(s) of this document after completion of deliverables specified herein and acceptance by MoDOT.

MoDOT is exempt from paying Missouri Sales Tax, Missouri Use Tax and Federal Excise Tax. However, the contractor may themselves be responsible for the payment of taxes on materials they purchase to fulfill the contract. A Project Tax Exemption Certificate will be furnished to the successful bidder upon request.

Unless otherwise provided for in the solicitation documents, payment for all equipment, supplies, and/or services required herein shall be made in arrears. MoDOT shall not make any advance deposits.

MoDOT assumes no obligation for equipment, supplies, and/or services shipped or provided in excess of the quantity ordered. Any authorized quantity is subject to rejection and shall be returned at the contractor's expense.

Notarized weekly payroll documentation for prime and subcontractors will be required from start to finish of this contract showing compliance with prevailing wage rates. Lien Waivers from materials suppliers shall also be provided. Additional documents shall be furnished as required by other provisions in the bid package.

Payment shall be made per contractor invoice upon satisfactory completion of all work items and the receipt of the required documentation.

(16) PROHIBITION OF EMPLOYMENT OF UNAUTHORIZED ALIENS: Pursuant to Section 285.530, RSMo. no business entity or employer shall knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the State of Missouri. As a condition for the award of any contract or grant in excess of five thousand dollars by the State or by any political subdivision of the State to a business entity, or for any business entity receiving a state-administered or subsidized tax credit, tax abatement, or loan from the state, the business entity shall:

By sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. E-Verify is an example of a federal work authorization program. The business entity must affirm its enrollment and participation in the E-Verify federal work authorization program with respect to the employees proposed to work in connection with the services requested herein by providing acceptable enrollment and participation documentation consisting of completed copy of the E-Verify Memorandum of Understanding (MOU). For business entities that are not already enrolled and participating in a federal work authorization program, E-Verify is available at http://www.dhs.gov/files/programs/gc_1185221678150.shtm

By sworn affidavit, affirm that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services. A copy of the affidavit referenced herein is provided within this document.

Proof of Lawful Presence For Sole Proprietorships and Partnerships: If the business entity is a sole proprietorship or partnership, pursuant to Section 208.009, RSMo., each sole proprietor and each general partner shall provide affirmative proof of lawful presence in the United States. Such sole proprietorship or partnership is eligible for temporary public benefits upon submission by each sole proprietor and general partner of a sworn affidavit of his/her lawful presence on the United States until such lawful presence is affirmatively determined, or as otherwise provided by Section 208.009, RSMo. A copy of the affidavit reference herein is provided within this document.

SCOPE OF WORK

Central District
Micro Surfacing

Miscellaneous Contract Requirements and Specifications

A. **Work Location #1**

Crawford County Route E, State Maintenance Ends to Missouri Route 8
5.95 Miles – 65,648 Square Yards (10' wide lanes)

B. **Work Description #1**

All material, equipment and construction requirements for items specified in this project shall be in accordance with the Missouri Standard Plans for Highway Construction.

It shall be the Contractor's responsibility to perform all work in accordance with the prevailing Standard Plans for Highway Construction on the letting date of this contract.

MoDOT will be responsible for all traffic control.

LIMESTONE MICRO-SURFACING TYPE III

Use Missouri Standard Specifications for Highway Construction, Division 400, Section 413.10 Micro-Surfacing with following revisions:

Revise Sec 413.10.2 and substitute the following for the project:

413.10.2 Material. All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

| Item | Section |
|--------------------|----------------|
| Emulsified Asphalt | 1015 |
| Aggregate | 1002 |

Revise Sec 413.10.2.1.1 and substitute the following for the project:

413.10.2.1.1 The mineral aggregate shall be flint chat from the Joplin area, an approved crushed porphyry, an approved crushed limestone or an approved crushed steel slag. Blast furnace slag may be used from sources with a documented history of satisfactory use and that have been previously approved by MoDOT for use in micro-surfacing. For non-traffic areas such as shoulders, the mineral aggregate may be crushed limestone or crushed gravel in accordance with Sec 1002.1. The aggregate shall be free of cemented or conglomerated material and shall not have any coating or detrimental material.

Revise Sec 413.10.2.1.3 and substitute the following for the project:

413.10.2.1.3 The final aggregate, or blend of aggregates, shall be in accordance with one of the following gradations. In addition, the aggregate shall be ± 5 percent of the designated job mix gradation for all plus No. 200 (75 μm) material and within ± 2 percent for the minus No. 200 (75 μm) material.

Aggregate Gradation Requirements, Type III

| Sieve | % Passing |
|------------------------------|------------------|
| 3/8 inch (9.5 mm) | 100 |
| No. 4 (4.75 mm) | 70 - 90 |
| No. 8 (2.36 mm) | 45 - 70 |
| No. 16 (1.18 mm) | 28 - 50 |
| No. 30 (600 μm) | 19 - 34 |
| No. 50 (300 μm) | 12 - 25 |
| No. 100 (150 μm) | 7 - 18 |
| No. 200 (75 μm) | 5 - 15 |

Revise Sec 413.10.3 and substitute the following for the project:

413.10.3 Job Mix Formula. The manufacturer of the emulsion shall develop the job mix formula and shall present certified test results for the engineer's approval. The job mix formula shall be designed in accordance with the International Slurry Surfacing Association (ISSA) recommended standards by an ISSA recognized laboratory. Mix acceptance will be subject to satisfactory field performance. The job mix formula, all material, the methods and the proportions shall be submitted for approval prior to use. Proportions to be used shall be within the limits provided in the table below. If more than one aggregate is used, the aggregates shall be blended in designated proportions as indicated in the job mix formula, and those proportions shall be maintained throughout the placement process. If aggregate proportions are changed, a new job mix formula shall be submitted for approval.

| Material | Requirement |
|--|--|
| Type III Mineral aggregate, lbs/ yd ² (kg/m ²) dry mass, min. | 23 (8.1 – 16.3) |
| Polymer Modified Emulsion (residual), percent | 5.5 to 10.5 by dry weight of aggregate |
| Mineral Filler, percent by mass of dry aggregate | 0.0 to 3.0 by dry weight of aggregate |
| Additive | As required |

Revise Sec 413.10.3.1 and substitute the following for the project:

413.10.3.1 The minimum dry mass per unit area will be based on a bulk specific gravity (BSG) of 2.65. In the event that crushed steel slag aggregate is used as a part of the blended aggregate or as the entire aggregate, the BSG of the final aggregate blend shall be determined and shown as part of the job mix formula criteria. If the BSG is different from 2.65 by more than 0.05, the above minimum masses shall be adjusted by dividing the specified unit mass by 2.65 and multiplying by the new BSG. (For example, for a new BSG = 3.15, the new minimum would be $3.15(10.8/2.65) = 23.8$ lbs./sy (12.8 kg/m²)). These adjusted values shall be designated on the job mix formula and will apply in the field.

Remove Sec 413.10.3.1.1.

Revise Sec 413.10.3.1.2 and substitute the following for the project:

413.10.3.1.1 Type III. For the purposes of this project, Type III shall be applied in one pass, not to exceed 3/4 inch.

Remove Sec 413.10.3.1.3.

Revise Sec 413.10.5.3.4 and substitute the following for the project:

413.10.5.3.4 Rutting or traffic-bearing applications, excluding shoulders, shall be crowned 1/8 to 1/4 inch per inch (3 to 7 mm per 25 mm) of depth, to allow for compaction. A Type III application may follow as a surface course if specified in the contract documents.

Revise Sec 413.10.6 and substitute the following for the project:

413.10.6 Method of Measurement. Final measurement of completed Type III surface will not be made except for authorized changes during construction, or where appreciable errors are found in the contract quantity. Where required, measurement of Type III micro-surfacing, complete in place, will be made to the nearest square yard (square meter). Field measurement will be based on the estimated width and length dimensions necessary to bring a designated area to a level plane, and not necessarily for the full rutted area. The revision or correction will be computed and added to or deducted from the contract quantity.

C. Work Location #2

Crawford County Route H, Interstate 44 to State Maintenance Ends
7.123 Miles – 91,934 Square Yards (11' wide lanes)

D. Work Description #2

All material, equipment and construction requirements for items specified in this project shall be in accordance with the Missouri Standard Plans for Highway Construction.

It shall be the Contractor's responsibility to perform all work in accordance with the prevailing Standard Plans for Highway Construction on the letting date of this contract.

MoDOT will be responsible for all traffic control.

LIMESTONE MICRO-SURFACING TYPE III

Use Missouri Standard Specifications for Highway Construction, Division 400, Section 413.10 Micro-Surfacing with following revisions:

Revise Sec 413.10.2 and substitute the following for the project:

413.10.2 Material. All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

| Item | Section |
|--------------------|---------|
| Emulsified Asphalt | 1015 |
| Aggregate | 1002 |

Revise Sec 413.10.2.1.1 and substitute the following for the project:

413.10.2.1.1 The mineral aggregate shall be flint chat from the Joplin area, an approved crushed porphyry, an approved crushed limestone or an approved crushed steel slag. Blast furnace slag may be used from sources with a documented history of satisfactory use and that have been previously approved by MoDOT for use in micro-surfacing. For non-traffic areas such as shoulders, the mineral aggregate may be crushed limestone or crushed gravel in accordance with Sec 1002.1. The aggregate shall be free of cemented or conglomerated material and shall not have any coating or detrimental material.

Revise Sec 413.10.2.1.3 and substitute the following for the project:

413.10.2.1.3 The final aggregate, or blend of aggregates, shall be in accordance with one of the following gradations. In addition, the aggregate shall be ± 5 percent of the designated job mix gradation for all plus No. 200 (75 μm) material and within ± 2 percent for the minus No. 200 (75 μm) material.

Aggregate Gradation Requirements, Type III

| Sieve | % Passing |
|------------------------------|------------------|
| 3/8 inch (9.5 mm) | 100 |
| No. 4 (4.75 mm) | 70 - 90 |
| No. 8 (2.36 mm) | 45 - 70 |
| No. 16 (1.18 mm) | 28 - 50 |
| No. 30 (600 μm) | 19 - 34 |
| No. 50 (300 μm) | 12 - 25 |
| No. 100 (150 μm) | 7 - 18 |
| No. 200 (75 μm) | 5 - 15 |

Revise Sec 413.10.3 and substitute the following for the project:

413.10.3 Job Mix Formula. The manufacturer of the emulsion shall develop the job mix formula and shall present certified test results for the engineer's approval. The job mix formula shall be designed in accordance with the International Slurry Surfacing Association (ISSA) recommended standards by an ISSA recognized laboratory. Mix acceptance will be subject to satisfactory field performance. The job mix formula, all material, the methods and the proportions shall be submitted for approval prior to use. Proportions to be used shall be within the limits provided in the table below. If more than one aggregate is used, the aggregates shall be blended in designated proportions as indicated in the job mix formula, and those proportions shall be maintained throughout the placement process. If aggregate proportions are changed, a new job mix formula shall be submitted for approval.

| Material | Requirement |
|--|--|
| Type III Mineral aggregate, lbs/ yd ² (kg/m ²) dry mass, min. | 30 (8.1 – 16.3) |
| Polymer Modified Emulsion (residual), percent | 5.5 to 10.5 by dry weight of aggregate |
| Mineral Filler, percent by mass of dry aggregate | 0.0 to 3.0 by dry weight of aggregate |
| Additive | As required |

Revise Sec 413.10.3.1 and substitute the following for the project:

413.10.3.1 The minimum dry mass per unit area will be based on a bulk specific gravity (BSG) of 2.65. In the event that crushed steel slag aggregate is used as a part of the blended aggregate or as the entire aggregate, the BSG of the final aggregate blend shall be determined and shown as part of the job mix formula criteria. If the BSG is different from 2.65 by more than 0.05, the above minimum masses shall be adjusted by dividing the specified unit mass by 2.65 and multiplying by the new BSG. (For example, for a new BSG = 3.15, the new minimum would be $3.15(10.8/2.65) = 23.8$ lbs./sy (12.8 kg/m²)). These adjusted values shall be designated on the job mix formula and will apply in the field.

Remove Sec 413.10.3.1.1.

Revise Sec 413.10.3.1.2 and substitute the following for the project:

413.10.3.1.1 Type III. For the purposes of this project, Type III shall be applied in one pass, not to exceed 3/4 inch.

Remove Sec 413.10.3.1.3.

Revise Sec 413.10.5.3.4 and substitute the following for the project:

413.10.5.3.4 Rutting or traffic-bearing applications, excluding shoulders, shall be crowned 1/8 to 1/4 inch per inch (3 to 7 mm per 25 mm) of depth, to allow for compaction. A Type III application may follow as a surface course if specified in the contract documents.

Revise Sec 413.10.6 and substitute the following for the project:

413.10.6 Method of Measurement. Final measurement of completed Type III surface will not be made except for authorized changes during construction, or where appreciable errors are found in the contract quantity. Where required, measurement of Type III micro-surfacing, complete in place, will be made to the nearest square yard (square meter). Field measurement will be based on the estimated width and length dimensions necessary to bring a designated area to a level plane, and not necessarily for the full rutted area. The revision or correction will be computed and added to or deducted from the contract quantity.

E. Work Hour Restrictions

1.0 There are six major holidays throughout the calendar year: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. To minimize any impacts work may have on traffic during these holidays, all lanes shall be scheduled to be open to traffic 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.

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

F. Time for Completion of the Work

1.0 Description. Completion of this contract shall be in accordance with Sec 108.7 and will be administered by a completion date basis.

1.1 Regardless of when the work is begun on this contract, all work shall be completed on or before the date specified below. Completion by this date shall be in accordance with the requirements of Sec 108.7.

Completion Date: September 1, 2016

1.3 Should the contractor, or in case of default, the surety, fail to complete the work within the above completion date, a deduction of the amount shown below will be made for each day that the contract remains uncompleted in accordance with the requirements of Sec 108.8. These damages are in addition to any other damages as specified elsewhere in this contract.

Liquidated Damages Per Day: \$1,000.00

1.4 If all Work is not complete prior to the specified overall contract completion date, the contractor will be charged with an overall liquidated damage specified in the amount of **\$1,000.00** per day for each full day that the Work is not fully completed. This damage will be assessed independently of the liquidated damages (per project) as specified above.

(Revised 08/96)

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS, that we _____

_____ as principal and _____
as surety, are held and firmly bound unto the state of Missouri (acting by and through the Missouri Highways and Transportation Commission) in the penal sum of _____
_____ Dollars (\$) to be paid to the commission to be credited to the state 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 the commission on route(s) _____

in _____ County(ies),
project (s) _____

_____ for construction or improvement of state highway as set out in said bid;

NOW THEREFORE, if the commission shall accept the bid of the principal and if the principal shall properly execute and deliver to the commission 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 commission, 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 commission, fail to comply with any requirement as set forth in the preceding paragraph, then the state of Missouri, acting by and through the commission, 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 Commission, in accordance with Sec 102.9 of the Missouri Standard Specifications for 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.

PRICING PAGE

The bidder shall provide a firm, fixed price in the table below for the original contract period for providing the deliverables/services in accordance with the provisions and requirements of this RFB. All costs associated with providing the required deliverables/services shall be included in the prices stated below.

| | | |
|-------------|---|----------------------|
| Location #1 | Micro Surfacing – Crawford County Rt. E | \$ _____ Lump Sum |
| Location #2 | Micro Surfacing – Crawford County Rt. H | \$ _____ Lump Sum |

COMPANY: _____ **DATE:** _____

SIGNATURE: _____

PRINTED NAME/ TITLE: _____

**WORKER ELIGIBILITY VERIFICATION AFFIDAVIT FOR ALL
MHTC/MODOT CONTRACT AGREEMENTS IN EXCESS OF \$5,000**
(for joint ventures, a separate affidavit is required for each business entity)

STATE OF _____)
) ss
COUNTY OF _____)

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

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

I am the _____ of _____, and I am duly authorized, directed, and/or empowered to act officially and properly on behalf of this business entity. I hereby affirm and warrant that the aforementioned business entity is enrolled in a federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, and the aforementioned business entity shall participate in said program with respect to all employees working in connection to work under the within state contract agreement with the Missouri Highways and Transportation Commission (MHTC). I have attached documentation to this affidavit to evidence enrollment/participation by the aforementioned business entity in a federal work authorization program, as required by Section 285.530, RSMo. In addition, I hereby affirm and warrant that the aforementioned business entity does not and shall not knowingly employ, in connection to work under the within state contract agreement with MHTC, any alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. § 1324a(h)(3). I am aware and recognize that, unless certain contract and affidavit conditions are satisfied pursuant to Section 285.530, RSMo, the aforementioned business entity may be held liable under Sections 285.525 through 285.550, RSMo, for subcontractors that knowingly employ or continue to employ any unauthorized alien to work within the state of Missouri.

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

Affiant Signature

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

Notary Public

My commission expires:

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

APPLICANT AFFIDAVIT FOR SOLE-PROPRIETORSHIP OR PARTNERSHIP

(a separate affidavit is required for each owner and general partner)(*if applicable*)

STATE OF _____)
) ss
COUNTY OF _____)

On this _____ day of _____, 20____, before me appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instruments, who being by me duly sworn, deposed as follows:

My name is _____, and I am of sound mind, capable of making this affidavit, and personally certify the facts herein stated, as required by Section 208.009, RSMo, for failure to provide affirmative proof of lawful presence in the United States of America:

☐ owner or partner I am the _____ of _____, which is applying for a public benefit (grant, contract, and/or loan) administered/provided by the Missouri Highways and Transportation Commission (MHTC), acting by and through the Missouri Department of Transportation (MoDOT). I am classified by the United States of America as: (check the applicable box) a United States citizen. an alien lawfully admitted for permanent residence.

I am aware that Missouri law provides that any person who obtains any public benefit by means of a willfully false statement or representation, or by willful concealment or failure to report any fact or event required to be reported, or by other fraudulent device, shall be guilty of the crime of stealing pursuant to Section 570.030, RSMo, which is a Class C felony for stolen public benefits valued between \$500 and \$25,000 (punishable by a term of imprisonment not to exceed 7 years and/or a fine not more than \$5,000 – Sections 558.011 and 560.011, RSMo), and is a Class B felony for stolen public benefits valued at \$25,000 or more (punishable by a term of imprisonment not less than 5 years and not to exceed 15 years – Section 558.011, RSMo).

I recognize that, upon proper submission of this sworn affidavit, I will only be eligible for temporary public benefits until such time as my lawful presence in the United States is determined, or as otherwise provided by Section 208.009, RSMo.

I understand that Missouri law requires MHTC/MoDOT to provide assistance in obtaining appropriate documentation to prove citizenship or lawful presence in the United States, and I agree to submit any requests for such assistance to MHTC/MoDOT in writing.

I acknowledge that I am signing this affidavit as a free act and deed and not under duress.

Affiant Signature

Affiant's Social Security Number or
Applicable Federal Identification Number

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

Notary Public

My commission expires: