

MISSOURI DEPARTMENT OF TRANSPORTATION
 GENERAL SERVICES
 830 MoDOT DRIVE – P.O. BOX 270
 JEFFERSON CITY, MO 65102
PRE-QUALIFICATION SUBMITTAL

PRE-QUALIFICATION SUBMITTALS WILL BE RECEIVED AT THIS OFFICE UNTIL

2:00 P.M. CDT, February 01, 2007

REQUEST NO. 2-070201

DATE January 17, 2007

PAGE NO. 1 NO. OF PAGES 13

BUYER: Amy Bailey

BUYER TELEPHONE: 573-522-6188

SUPPLIES OR SERVICES

Asphaltic Materials

By signing below, the vendor hereby certifies that all loads delivered to the Missouri Department of Transportation (MoDOT) comply with the MoDOT specifications for the asphaltic materials specified. Furthermore, the vendor agrees to supply all asphaltic materials in accordance with the attached Missouri Highways and Transportation Commission Standard Bid Provisions, General Terms and Conditions, and Special Terms and Conditions as well as all requirements of this pre-qualification document.

NOTE TO VENDOR

The vendor must be in compliance with the laws regarding conducting business in the State of Missouri. Within ten (10) business days of notification, the vendor will need to provide a copy of his/her Missouri Secretary of State's "Certificate of Good Standing" prior to the issuance of any contract or initial purchase order by the Missouri Department of Transportation (MoDOT).

****You must submit at least one (1) authorized e-mail address for submission of the weekly asphaltic material bid. (You may list more than one e-mail address in the blank area provided below.) Failure to provide an e-mail address will result in immediate disqualification.**

Additional Email Addresses:

Date: _____
Telephone No.: _____
Fax No.: _____
Federal I.D. No. _____
Authorized E-Mail Address** _____

Firm Name: _____
Address: _____
By (Signature): _____
Type/Print Name _____
Title: _____



MISSOURI DEPARTMENT OF TRANSPORTATION
GENERAL SERVICES
JEFFERSON CITY, MISSOURI

January 16, 2007

VENDOR PRE-QUALIFICATION FOR PROVISION OF ASPHALTIC MATERIALS

Buyer: Amy Bailey
Phone: 573-522-6188
E-mail: Amy.Bailey@modot.mo.gov

In order to be pre-qualified for submitting asphaltic material pricing at a later date, the vendor must provide the following information no later than **February 01, 2007 to: Amy Bailey, General Services Technician, 830 MoDOT Drive, P.O. Box 270, Jefferson City, MO 65102.**

- ✓ **PREFERENCE IN PURCHASING PRODUCTS.** (Must be on file in this office and must be dated in the current calendar year.
- ✓ **MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT.**
- ✓ Certificate of Liability Insurance
- ✓ Cover page of this document. (Vendors **MUST** complete and return the cover letter making sure to include and Email address).
- ✓ **NOTICE TO BIDDERS - "Community Right to Know Law"**
- ✓ **COOP Purchasing Notice**
- ✓ Attachments B through F

Bids on ASPHALTIC MATERIALS will be received by the Missouri Department of Transportation, General Services, in the Distribution Center Building, 830 MoDOT Drive, Jefferson City, Missouri no later than **10:00 A.M. THURSDAY, FEBRUARY 01, 2007.**

Contract Period: This pre-qualification shall commence **March 7, 2007** and end one (1) year from the date the first award is made. The contract will be awarded no later than Friday of the bid week and will expire the Monday after the following bid week. The contract follows an open enrollment process, thus, vendors may join the process at any time.

Amendments: The Department reserves the supremacy to amend or terminate this contract with a minimum of 30-days notice. Such amendments may include but are not limited to changes to the bid submission process, pricing period, type of material bid per district, and geographical boundaries for bid prices.



Electronic Bid Submission

Suppliers may withdraw all prices or submit complete updated pricing on the first and third Wednesday of March, April, May, June, July, August, September, October, and November. Withdrawal of all prices or complete updated pricing may be submitted on the first Wednesday of December, January, and February. The process and conditions for submitting bimonthly and monthly pricing are as follows:

- **Prices submitted are to be rounded to one tenth (1/10) cent. Prices expressed in cents per gallon containing more than one significant decimal place will not be considered.**
- **Any pricing change requires the same completed electronic spreadsheet as the original bid. All cells of the spreadsheet must contain current pricing or the words "no bid" in lowercase letters.**
- **Microsoft Excel is the department's standard spreadsheet software. Therefore, Microsoft Excel electronic spreadsheet pricing submissions are mandatory.**
- **The most recent bimonthly or monthly bid submitted shall remain in effect until superseded by another proper bimonthly or monthly bid is submitted or all prices are withdrawn.**
- **New suppliers will be accepted on the 15th day of each month and the submitted bid information will go into effect on the next bimonthly or monthly bid.**

Future bimonthly and monthly pricing must be submitted via electronic-mail to bidasphalt@modot.mo.gov.

- **The supplier's bimonthly and monthly pricing shall be transmitted from one of the authorized e-mail addresses identified in your bid. Submission from other sources shall not be accepted. Changes to the suppliers authorized e-mail listing shall be made in writing and take up to two (2) business days to process. Signed, faxed authorized e-mail address listings are authorized.**
- **Updated pricing must be received by 10:00 A.M. on the above stipulated bimonthly or monthly Wednesdays.**
- **LATE bimonthly and monthly bids will not be considered. Therefore, suppliers are encouraged to submit pricing early enough to provide time for alternative electronic spreadsheet delivery.**
- **General Services will maintain a master list of all prices. General Services will provide electronic-copies of the bimonthly or monthly master-pricing via e-mail, if requested, by suppliers under this contract.**



When the Supplier updates pricing, the Missouri Department of Transportation reserves the right to review other sources and purchase the materials from the most economical source.

Combination and all or none bids will not be considered. Discounts offered for cash payment of invoice will not be considered in determining the low price per gallon.

Each bidder must submit a sworn statement certifying that they have not and shall not, either directly or indirectly, enter into any agreement, participate in any collusion or otherwise take action in restraint of free competitive pricing in connection with this Pre-Qualification Submittal.

Attention is called to **Sections 144.040 and 144.615, RSMo. 1971**, which exempts purchases made by the Department from the payment of Missouri Sales-Use Tax.

By virtue of statutory authority, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown within the State of Missouri.

The right is reserved by the Missouri Department of Transportation to reject any or all bids and to purchase material from the best and most economical source.

MISSOURI DEPARTMENT OF TRANSPORTATION

By _____
Amy Bailey
Senior General Services Technician



**BID FOR SUPPLYING
ASPHALTIC MATERIALS**

**To the State of Missouri
Acting by and through the
Missouri Highways and Transportation Commission
Jefferson City, Missouri 65101**

I (We) (hereinafter referred to as the Supplier) propose and offer to supply the State of Missouri, (hereinafter referred to either as the State or the Department of Transportation) in the manner hereinafter specified under General Conditions, the asphaltic materials described herein under Specifications for Liquid Asphalt, MGS-94-06E, and all applicable sections of the Missouri Standard Specifications for Highway Construction, 2004 Edition, more specifically Section 106 Control of Material, Section 310.4 Vehicle scales, and Section 1015 Bituminous Material, unless otherwise amended herein.

I (We) will furnish, load and deliver the material in transport trucks to destinations as directed in individual orders placed by the Department's District Offices for not less than one full tank truck or distributor load. It is understood that when MoDOT picks up the asphaltic material at the suppliers facility the price charged shall be the bid price, even if the quantity of asphaltic material is less than one full tank truck or distributor load.

GENERAL CONDITIONS

1. The **Deputy Administrative Officer** shall in all cases decide any and all questions which may arise concerning the quality, quantity and acceptability of all materials furnished; the time, place and manner of delivery; the correct interpretation of the Specifications, Bid and Individual Orders, and the acceptable fulfillment of these orders in all respects; the compensation, damages or claims of any character whatsoever for the performance of orders issued under this bid; and that the **Deputy Administrative Officer's** decision shall be final, binding and conclusive upon all parties concerned.
2. The Department will only approve a source which has: **(a)** adequate facilities and is operated in such a manner as will insure proper control over the manufacture and blending of the materials; **(b)** the required laboratory equipment and trained personnel at the point of manufacture to make the standard tests required for determination of whether the materials meet the specifications; and **(c)** weighing facilities available which meet the requirements of the attached specifications. Suppliers wishing to know approved sources should contact: **David Ahlvers, State Construction and Materials Engineer, 573-751-7455.**



4. The asphaltic materials shall meet the requirements of the attached specifications MGS-94-06E. Asphaltic materials to be used for mixing shall coat the aggregate at the point of use in a manner and to a degree satisfactory to the engineer. The polymer modified emulsified asphalt for seal coats should cure and retain chips in a time frame satisfactory to the engineer. The special type and grade or grades, and the quantity will be designated in individual orders placed by the Department's District Offices.
5. Measurement of the **Liquid Asphalt and Emulsified Asphalt Materials** shall be based on the **volume at 60°F**. The volume shall be determined from the net weight mass of the material by weighing the truck before and after loading. The net weight mass shall be converted to gallons by using the unit weight mass in pounds per gallon at 60°F designated by the engineer.
6. It is understood and agreed that the **Supplier** shall be responsible for loading the proper type, grade and quality of materials, and for the cleanliness of the tanks other than State-owned, into which it is loaded. All tanks shall be inspected by the **Supplier** prior to loading, and if necessary to avoid contamination, they shall be drained and cleaned. If the wrong grade of material is loaded, or if the load is contaminated because of another product in the lines, pumps or tank at the time of loading, the **Supplier** shall assume responsibility for the cost and disposal of that load, as well as any material in the State-owned tank into which the unsatisfactory material is unloaded. No demurrage will be paid by the State for delays caused by contaminated or otherwise unsatisfactory material.
7. **DELIVERY BY TRANSPORT**
 - (a) **Deliver Terms:** All prices shall be FOB Destination.
 - i. **The Supplier may be required to pump the material into permanent storage tanks, pugmills, or Stated-owned distributors at destination. A flat fee of \$39.00 may be charged when pumping is required.**
 - (b) **Acceptance of orders:** The LOW BID Suppliers must accept all orders for Asphaltic Material based on the conditions of this IFB unless circumstances beyond their control prohibits the supplier from fulfilling the order. Low bid Suppliers that do not accept properly requested orders will be subject to temporary suspension and/or liquidated damages as district procurement staff sees fit and outlined in subparagraph (d) of this section.
 - (c) **Information Required:** The Supplier shall furnish a delivery receipt with each load showing type and grade of material, the Supplier's name, source of material, destination of material (route and county) consignee, and purchase order number. In addition to the above information, the delivery receipt will also show specified delivery time, arrival time, time unloading started, time unloading was completed, and whether the unloading pump was ordered or used.



(d) **Time of Delivery:**

- **The Supplier will be required to make deliveries to storage tanks, pugmills or roadway destinations during the normal workday 7:30 A.M. to 4:00 P.M. Monday through Friday.** The department will specify time of delivery when the order is placed. Delivery at the time specified is of utmost importance to the State. If the Supplier notifies the State at the time the order is placed that he cannot deliver at the specified time, the State may obtain the material elsewhere.
- **If the “low bid” Supplier (1) cancels orders after they have been accepted, (2) accepts orders and then fails to deliver when specified, or (3) refuses to accept orders, the State will notify the Supplier that no additional orders will be placed until the reason for the canceling of orders or unsatisfactory delivery has been rectified. In addition, Suppliers failing to satisfactorily meet delivery schedules for material may be subject to (1) suspension for up to two monthly/bimonthly pricing periods and/or (2) monetary liquidated damages at the rate of \$50.00 per cancelled or declined truckload.**
- **Liquidated damages and suspensions shall be assessed and imposed by the district procurement staff. Such district-imposed suspensions shall include all liquid asphalt products for their district.**
- If an order cannot be delivered at the scheduled time due to unforeseen plant or truck breakdown, the Supplier agrees to notify the applicable district office immediately. The State will provide each Supplier with the telephone number for each District Office.
- When material is requested for delivery to State-owned storage facilities, the Supplier may deliver the material any time prior to the requested delivery time if approved by the State. A receptacle will be available at each of the storage sites for the deposit by the truck driver of the bill of lading, manifest, or truck ticket, covering the load placed in storage. **The Supplier must instruct the driver accordingly.**

- (e) **Delivery to Distributors and Pugmills:** The Supplier of material which is to be pumped into State-owned distributors or pugmills may expect at least eighteen (18) hours notice prior to the specified hour the material is desired, with the understanding that the order may be cancelled by the State not later than ten (10) hours prior to the specified hour of delivery. **The Supplier must furnish each District office with telephone numbers for the purpose of canceling orders 24 hours a day.** If, for any reason, the Supplier is not permitted to unload the material at the specified destination, the material will be unloaded at the nearest available State-owned storage tank and the additional cost, if any, will be computed on the basis of published tariff rates.



The following bid items shall be bid by district and by county by inserting the suppliers' bid price in the corresponding spreadsheet cell. Districts do not use all of the items listed below; therefore, the suppliers' spreadsheet is designed to accept bids for the items with probable use for each district.

Description
Asphalt, MC-30 Medium-Curing Cut-Back
Asphalt, MC-70 Medium-Curing Cut-Back
Asphalt, RC-70 Rapid-Curing Cut-Back
Asphalt, RC-250 Rapid-Curing Cut-Back
Asphalt, RC-800 Rapid-Curing Cut-Back
Asphalt, MC-250 Medium-Curing Cut-Back
Asphalt, MC-800 Medium-Curing Cut-Back
Asphalt, RS-2 Anionic Emulsified
Asphalt, EA-90 Emulsified, Anionic Emulsified
Asphalt, EA-90 Diluted 80/20 Anionic Emulsified
Asphalt, EA-90 Diluted 50/50 Anionic Emulsified
Asphalt, EA-150 Anionic Emulsified
Asphalt, EA-150 Diluted 80/20 Anionic Emulsified
Asphalt, EA-150 Diluted 70/30 Anionic Emulsified
Asphalt, EA-150 Diluted 60/40 Anionic Emulsified
Asphalt, EA-150 Diluted 50/50 Anionic Emulsified
Asphalt, EA-300 Anionic Emulsified
Asphalt, EA-300 Diluted 50/50 Anionic Emulsified
Asphalt, SS-1 Anionic Emulsified
Asphalt, SS-1 Diluted 50/50 Anionic Emulsified
Asphalt, SS-1 Diluted 70/30 Anionic Emulsified
Asphalt, SS-1H Anionic Emulsified
Asphalt, SS-1H Diluted 50/50 Anionic Emulsified
Asphalt, SS-1H Diluted 60/40 Anionic Emulsified
Asphalt, CRS-2 Cationic Emulsified
Asphalt, CMS-2M Cationic Emulsified
Asphalt, CMS-2M Diluted 50/50 Cationic Emulsified
Asphalt, CSS-1 Cationic Emulsified
Asphalt, CSS-1 Diluted 50/50 Cationic Emulsified
Asphalt, CSS-1H Cationic Emulsified
Asphalt, CSS-1H Diluted 50/50 Cationic Emulsified
Asphalt, CRS-2P Polymer Modified Emulsified
Asphalt, EA-90P Polymer Modified Emulsified
Asphalt, Scrub Seal Emulsion

Enclosure 1 ([MSG-94-06E, Revision 05-14-04, 7 Pages](#)) provides complete MoDOT Liquid Asphalt Specifications.



- (f) **If a load arrives at a lower temperature than specified in table (shown below), the State may either reject the load, or if agreeable to both the State and the driver, the State will accept the load and heat the asphalt to the specified temperature in its distributors with no demurrage being paid for the time needed to pump the cold asphalt and heat it to the specified temperature.**

The **MINIMUM DELIVERY TEMPERATURE** shall be as follows:

TYPE OF MATERIAL	MINIMUM TEMPERATURE
MC-30, MC-70, RC-70	100° F
MC-250, RC-250	160° F
MC-800, RC-800	200° F
MC-3000, RC-3000	220° F
SS-1, SS-1h, CSS-1, CSS-1h	80° F
Diluted SS-1, SS-1h, CSS-1 or CSS-1h	110° F
CRS-2, RS-2,	135° F
CMS-2M, EA-90, EA-150, EA-300	140° F
CRS-2P, EA-90P, Scrub Seal	150° F

- (g) **Delivery to Storage Tanks: The Supplier of material which is to be pumped into State-owned storage tanks may expect eighteen (18) hours notice prior to the specified hour the material is desired at the designated point or points, with the understanding that the order may be cancelled by the State not later than ten (10) hours prior to the specified hour of delivery. Delivery to State-owned storage sites may be made at any hour prior to the requested delivery time if approved by the State. If for any reason the Supplier is not permitted to unload the material at the specified destination, the material will be unloaded at the nearest available State-owned storage tank and the additional cost, if any, will be computed on the basis of published tariff rates.**
- (h) **DEMURRAGE: (The SUPPLIER agrees to notify the applicable DISTRICT OFFICE when a delivery will be delayed.)**

The **State** will be allowed one and one-half (1½) **hours** for unloading each truckload of material free of demurrage.

If the state delays the Supplier/Carrier from unloading material, whether delivered to state distributors, storage tanks or pugmills, the Supplier will be compensated at the rate of **\$60 per hour**, computed to the nearest 15 minutes.



If the Supplier's material does not arrive by the time requested, the state will be compensated at the rate of **\$115 per hour**, computed to the nearest 15 minutes. No demurrage will be charged for loads that do not delay state crews.

If the Supplier or Carrier notifies the State before the scheduled delivery time that the tanker will be delayed, the maximum amount of time the State will charge the Supplier demurrage is **one hour**. If the Supplier or Carrier notifies the State after the scheduled delivery time that the material will be delayed, the State will stop charging the Supplier demurrage **one hour after** the State has been notified of the delay. The maximum amount of time the State will charge the Supplier demurrage for any late load, whether notified or not, is **two hours**.

If the Supplier's material arrives prior to the specified delivery time, unloading will begin as soon as practical and the 1½ hour unloading time will start when actual unloading begins or at the specified arrival time, whichever is the earliest.

When more than one tanker is ordered for the same location, the same day, the first tanker to arrive will be unloaded first. If an earlier scheduled tanker does not arrive at the scheduled time, no demurrage will be due the Supplier on subsequent tankers unless more than one hour and 30 minutes is required to unload each subsequent tanker. If a tanker that did not arrive at the scheduled time arrives after unloading has begun on a subsequent tanker, the "**late tanker**" will not be unloaded until all "**on time**" tankers have been unloaded. Demurrage due the State will be discontinued on the "**late tanker**" while the "**on time**" tankers are being unloaded.

Unloading of an earlier scheduled tanker will not begin after 2:30 P.M. and demurrage due the State will be discontinued at that time. The material and responsibility for the material belongs to the Supplier. We will make every effort to find a storage facility that will hold the material but no extra payment will be made to the Supplier if he elects to put the material in a state-owned storage tank.

If, for any reason other than the above, the State does not permit the Supplier to unload the material at the specified destination, the material will be unloaded at the nearest available state-owned storage tank and the additional cost, if any, will be computed on the basis of published tariff rates.

- (i) **Invoices:** An invoice will be submitted by the Supplier for each load of material furnished. **Each invoice will show the complete transaction to include:** quantity, type and grade of material, unit price per gallon, purchase order number, destination, consignee, and pumping charge, if any. Delay time and cost for which the State is liable may be invoiced separately.



8. **SAMPLING, TESTING, AND ACCEPTANCE PROCEDURES**

8.1 It shall be the responsibility of the Supplier to guarantee by certification that the material fully complies with the specification requirements, after being loaded and delivered to the point of acceptance.

8.2 Truck Shipments: All truck shipments shall be loaded from approved storage tanks, which have been sampled, tested, and certified by the Supplier to the Department. If automatic blending equipment is used, blender materials will be approved for use providing the finished product fully complies with the specifications. **At least one complete test shall be conducted every two weeks on each grade of material furnished for the Missouri Department of Transportation from the blender.** A certified copy of the test results shall be furnished to the Engineer. After loading, the Supplier shall sample and make identifying tests on a sufficient number of truck shipments of material supplied to insure that proper quality control is being maintained and that all such shipments fully comply with the specification requirements. Identifying tests are: viscosity for liquid Asphaltic materials; viscosity, sieve and particle charge for CSS-1, CSS-1h, CRS-2 and CMS-2M emulsified asphalt; viscosity and sieve for SS-1, SS-1h, scrub seal emulsion, and RS-2 emulsified asphalt; and sieve, distillation, penetration and float test for EA-90, EA-150 and EA-300 emulsified asphalt. It shall be the Supplier's responsibility to insure that any material failing to comply with specification requirements will not be used in the work.

8.2.1 The Supplier shall furnish the truck driver a copy of the bill of lading, manifest, or truck ticket that is to be available to Department personnel at destination prior to unloading. When delivery is made to storage sites the bill of lading, manifest, or truck ticket is to be deposited in the receptacles provided. A copy is also to be available to the Department's representative at the shipping point. The bill of lading, manifest, or truck ticket shall show the following information regarding the shipment: Type and Grade of material, purchase and confirmation order numbers, consignee, truck number, weights (masses) of truck before and after loading, specific gravity @ **60°F/60°F**, net gallons, destination, date loaded, name and location of the source and a certification statement.

The Certification Statement shall be substantially as follows:

"This certifies that the Asphaltic material in this shipment complies with Missouri Department of Transportation specifications for the grade specified and the weights (mass) shown herein were obtained on Missouri Department of Transportation approved scales and are correct within the specified scale requirements."

The certification statement shall be signed by an authorized representative of the Supplier.



8.2.2 The engineer will at random observe the loading and weighing of trucks and the sampling and testing at the source of truck shipments and tanks, and will select representative samples of the material being supplied. These samples will be tested in the field or in the Central Laboratory. When test results of materials or weights (mass) certified by the Supplier are not representative of the material or quantity being shipped, the source approval will be withdrawn. A source may be reinstated when proof is furnished that the deficiency has been corrected and adequate controls are in effect to guarantee delivery of correct quantities and materials meeting specifications.

8.2.3 Verification of certified weights (mass) may be required by the weighing of a hauling unit, both loaded and empty, on scales other than those used by the Supplier and which have also been approved by the Department.

8.2.4 The Supplier shall furnish the required sampling equipment and shall sample the truck under the direction of the engineer. The Supplier shall be responsible for keeping all sampling equipment clean and in good condition. Sampling devices on truck transports will be approved provided an adequately insulated valve is used with a pipe or nipple inserted a suitable distance into the tank.

8.2.5 Each truck transport shall carry a log showing the types of materials and dates hauled, with respect to recent shipments, or the supplier shall furnish the engineer such information with respect to the previous load.

8.2.6 Intermediate storage tanks for storage and transfer of material between the source and the point of acceptance shall be equipped for sealing and shall be reserved exclusively for State work. Use of any material in unsealed tanks will be subject to delay until it can be sampled, tested and approved.

8.3 Proportioning and Blending Asphaltic Material Constituents. All materials shall be properly proportioned and thoroughly blended in suitable tanks prior to delivery to transportation equipment, or may be proportioned and blended by use of automatic proportioning equipment. All automatic proportioning blenders shall meet the approval of the Department and shall be equipped with precision instruments, including electrically interlocked motors, and automatic meters. Materials blended in quantities of less than 8,000 gallons without the use of automatic proportioning blenders will not be approved.

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "**Contractor**") agrees as follows:

- a. **Compliance with Regulations:** The contractor shall comply with the **Regulations** relative to nondiscrimination in federally-assisted programs of the Department of Transportation, **Title 49, Code of Federal Regulations, Part 21**, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.



- b. **Nondiscrimination:** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of **race, color, or national origin** in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by **Section 21.5** of the **Regulations**, including employment practices when the contract covers a program set forth in **Appendix B of Regulations**.
- c. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of **race, color, or national origin**.
- d. **Information and Reports:** The contractor shall provide all information and reports required by the Regulations, or Directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Missouri Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or Directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to the Missouri Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
- e. **Sanctions for Noncompliance:** In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
- 1) **withholding of payments to the contractor under the contract until the contractor complies, and/or**
 - 2) **cancellation, termination or suspension of the contract, in whole or in part.**
- f. **Incorporation of Provisions:** The contractor shall include the provision of **Paragraphs a through e** above in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or Directives issued pursuant thereto. The contractor shall take such action with respect to any subcontractor or procurement as the Missouri Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Missouri Department of Transportation to enter into such litigation to protect the interests of the State, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

NOTICE TO BIDDERS

"COMMUNITY RIGHT TO KNOW LAW"

In order to implement provision of **Sections 292.600 - 292.620, RSMo.** (1985 Supp.) relating to the communities and employees right to information concerning **"toxic substances in the workplace"** the Missouri Department Of Transportation is required to furnish **"Material Safety Data Sheets"** to local fire departments and to the Department of Health.

If the product(s) you (**the bidder**) propose to furnish in response to the attached "Invitation to Bid" contains a "toxic substance" as defined by **Section 292.600 RSMo.** (1985 Supp.) please so indicate and, if **YES**, attach a current **"Material Safety Data Sheet"**.

Yes _____

No _____

Signed _____

Title _____

Company_____



BID

I (We) propose and offer to supply and deliver statewide ASPHALTIC MATERIALS to the Missouri Department of Transportation, in accordance with the Pre-Qualification Submittal, General Conditions, and meeting the Specifications at the quoted prices as shown on the bid form based on the following conditions:

Our bimonthly and monthly pricing shall be transmitted from one of the following authorized e-mail addresses:

Limitations: _____

Location of Refinery: _____

The quoted prices may be revised by proper notification as specified in the invitation for Bids.

The undersigned understands that this project involves state funds and the supplier will be required to comply with the **Executive Order 05-30 of the Governor of the State of Missouri dated September 08, 2005**. This order stipulates that there shall be no discriminatory employment practices by the supplier based on **race, color, religion, creed, national origin, sex or age**. The undersigned shall give written notice of their commitments under this clause to any labor union with which they have bargaining or other agreements.

Dated at _____ this _____ day of _____, 20 _____

Supplier _____

Address _____

_____ Zip Code

By _____

Signature

Title _____

Telephone Number: _____

Fax Number: _____

Federal ID: _____

Email Address: _____



ANTI-COLLUSION STATEMENT

STATE OF _____)
) SS
COUNTY OF _____)

_____ being first duly sworn,
deposes and
says that he is

_____ of

Title of Person Signing

Name of Bidder

that all statements made and facts set out in the bid for the above project are true and correct; and that the bidder (**The person, firm, association, or corporation making said bid**) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such bid or any contract which may result from its acceptance.

Affiant further certifies that bidder is not financially interested in, or financially affiliated with, any other bidder for the above project.

By _____

By _____

By _____

Sworn to before me this _____ day of _____ 20_____.

Notary Public

My Commission Expires _____



BID DISTRICTS

_____ will provide liquid asphalt bid prices for the
(Supplier's Name)

following selected districts for this contract and renewal periods. Identified

districts establish suppliers geographical boundaries for this contract.

	<i>Yes</i>	<i>No</i>
<i>DISTRICT 1</i>		
<i>DISTRICT 2</i>		
<i>DISTRICT 3</i>		
<i>DISTRICT 4</i>		
<i>DISTRICT 5</i>		
<i>DISTRICT 6</i>		
<i>DISTRICT 7</i>		
<i>DISTRICT 8</i>		
<i>DISTRICT 9</i>		
<i>DISTRICT 10</i>		

Supplier's Signature



DISTRICT ORDERING INFORMATION

District	Vendor Code	Ordering Address	Telephone Number
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Supplier's Signature

NOTICE

The Department is interested in assisting various Missouri governmental entities, etc. in purchasing equipment, various materials and supplies that meet the Highway and Transportation Department specifications.

Each bidder is asked to indicate below whether they would be willing to offer **Asphaltic Materials** listed in the attached "Pre-Qualification" for sale to these local political entities at the same bid price offered to this Department.

It is understood the Department will not issue purchase orders, accept delivery nor make payment for these items ordered by any of these agencies. It is further understood the price is based on the **Asphaltic Materials** meeting the Department specifications. Any added options, deletions, or extra freight costs would be negotiated between the local agency and the successful vendor.

Indicate below whether your company is willing to offer such cooperative purchasing for Missouri counties, cities or other political entities.

YES _____ NO _____

If the price varies throughout the state on Department bids because of different delivery destinations, please indicate the price f.o.b. your location that would be offered as described.

F.O.B. Location _____

Indicate the deadline date that orders will be accepted. _____

COMPANY NAME _____

ADDRESS _____

PHONE NUMBER _____

E-MAIL ADDRESS _____

SIGNATURE _____

TITLE _____

DATE _____

(Each vendor should complete the appropriate sections of their form and submit with their bid.)

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STANDARD SOLICITATION PROVISIONS

- a. The Missouri Department of Transportation (MoDOT) reserves the right to reject any or all bids/quotes/proposals, and to accept or reject any items thereon, and to waive technicalities. In case of error in the extension of prices in the bid/quote/proposal, unit prices will govern.
- b. All bids/quotes/proposals must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.
- c. By virtue of statutory authority, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown, within the State of Missouri.
- d. Time of delivery is a part of the consideration and, if not otherwise stated in the solicitation documents, must be stated in definite terms by the Bidder/Offeror and must be adhered to. If time varies on different items, the Bidder/Offeror shall so state.
- e. If providing bids/quotes/proposals for commodities, the Bidder/Offeror will state brand or make on each item. If bidding or proposing other than the make, model or brand specified, the manufacturer's name, model number or catalog number must be given.
- f. **For bids/proposals of \$25,000** or more, no bids/proposals by telephone, telegram or telefax will be accepted. If provided, these bids/proposals should be returned in the MoDOT solicitation return envelope.
- g. If a solicitation return envelope is provided by MoDOT, the bid/quote/proposal should be returned in the envelope provided with the Bid/RFQ/RFP Request Number plainly indicated thereon.
- h. The date specified for the returning of bids/quotes/proposals is a firm deadline and all bids/quotes/proposals must be received at the designated office by that time. The Department does not recognize the U.S. Mail, Railway Express Agency, Air Express, or any other organization, as its agent for purposes of accepting proposals. All proposals arriving at the designated office after the deadline specified will be rejected.

GENERAL TERMS AND CONDITIONS

General Performance

- a. This work is to be performed under the general supervision and direction of the Missouri Department of Transportation (MoDOT) and, if awarded any portion of the work, the Contractor agrees to furnish at his own expense all labor and equipment required to complete the work, it being expressly understood that this solicitation is for completed work based upon the price(s) specified and is not a solicitation for rental of equipment or employment of labor by MoDOT, and MoDOT is to have no direction or control over the employees used by the Contractor in performance of the work.

Deliveries

- a. Unless otherwise specified on the solicitation documents or purchase order, suppliers shall give at least 24 hours advance notice of each delivery. Delivery will only be received between the hours of 8:00 a.m. to 3:00 p.m., Monday through Friday. Material arriving after 3:00 p.m. will not be unloaded until the following workday. No material will be received on Saturday, Sunday or state holidays.
- b. If the prices bid herein include the delivery cost of the material, the Contractor agrees to pay all transportation charges on the material as FOB - Destination. Freight costs must be included in the unit price bid and not listed as a separate line item.
- c. Any demurrage is to be paid by the Contractor direct to the railroad or carrier.

Nondiscrimination

- a. The Contractor shall comply with the Regulations relative to nondiscrimination in federally-assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- b. All solicitations either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials or leases of the Contractor's obligations under this contract and the Regulations, will be relative to nondiscrimination on the grounds of race, color, or national origin.
 - 1) **Sanctions for Noncompliance:** In the event of the Contractor's noncompliance with the nondiscrimination provisions of this contract, MoDOT shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - i. withholding of payments to the Contractor under the contract until the Contractor complies, and/or,
 - ii. cancellation, termination or suspension of the contract, in whole or in part.

Contract/Purchase Order

- a. By submitting a bid/quote/proposal, the Bidder/Offeror agrees to furnish any and all equipment, supplies and/or services specified in the solicitation documents, at the prices quoted, pursuant to all requirements and specifications contained therein.
- b. A binding contract shall consist of: (1) the solicitation documents, amendments thereto, and/or Best and Final Offer (BAFO) request(s) with any changes/additions, (2) the Contractor's proposal and/or submitted pricing, and (3) the MHTC's acceptance of the proposal and/or bid by purchase order or post-award contract.
- c. A notice of award does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies and/or services, the Contractor must receive a properly authorized purchase order and/or notice to proceed.
- d. The contract expresses the complete agreement of the parties and performance shall be governed solely by the specifications and requirements contained therein. Any change, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the Contractor and the duly authorized representative of the MHTC, by a modified purchase order prior to the effective date of such modification. The Contractor expressly and explicitly understands and agrees that no other method and/or no other document, including correspondence, acts, and oral communications by or from any person, shall be used or construed as an amendment or modification.

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Subcontracting

- a. It is specifically understood that no portion of the material or any interest in the contract, shall be subcontracted, transferred, assigned or otherwise disposed of, except with the written consent of MoDOT. Request for permission to subcontract or otherwise dispose of any part of the work shall be in writing to MoDOT and accompanied by documentation showing that the organization which will perform the work is particularly experienced and equipped for such work.
- b. Consent to subcontract or otherwise dispose of any portion of the work shall not be construed to relieve the Contractor of any responsibility for the production and delivery of the contracted work and the completion of the work within the specified time.
- c. All payments for work performed by a subcontractor shall be made to the Contractor to whom the contract was awarded and the purchase order issued.

Invoicing and Payment

- a. 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 Federal Excise Tax Exemption Certificate will be furnished to the successful Bidder/Offeror upon request.
- b. 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.
- c. Unless otherwise provided for in the solicitation documents, payment for all equipment, supplies, and/or services required herein shall be made in arrears. The Missouri Highways and Transportation Commission (MHTC) shall not make any advance deposits.
- d. The MHTC assumes no obligation for equipment, supplies, and/or services shipped or provided in excess of the quantity ordered. Any authorized quantity is subject to the MHTC's rejection and shall be returned at the Contractor's expense.
- e. The MHTC reserves the right to purchase goods and services using the state-purchasing card.

Applicable Laws and Regulations

- a. The contract shall be construed according to the laws of the State of Missouri. The Contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract.
- b. The Contractor must be registered and maintain good standing with the Secretary of State of the State of Missouri and other regulatory agencies, as may be required by law or regulations. Prior to the issuance of a purchase order and/or notice to proceed, the Contractor may be required to submit to MoDOT a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.
 - 1) Prior to the issuance of a purchase order and/or notice to proceed, all **out-of-state** Contractors **providing services** within the state of Missouri must submit to MoDOT a copy of their current Transient Employer Certificate from the Department of Revenue, in addition to a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.
- c. The exclusive venue for any legal proceeding relating to or arising, out of the contract shall be in the Circuit Court of Cole County, Missouri.

Preferences

- a. In the evaluation of bids/quotes/proposals, preferences shall be applied in accordance with Chapter 34 RSMo. Contractors should apply the same preferences in selecting subcontractors.
- b. By virtue of statutory authority, RSMo. 34.076 and 34.350 to 34.359, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown within the State of Missouri. Such preference shall be given when quality is equal or better and delivered price is the same or less.
 - 1) If attached, the document entitled "**PREFERENCE IN PURCHASING PRODUCTS**" should be completed and returned with the solicitation documents.
 - 2) If attached, the document entitled "**MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT**" should be completed and returned with the solicitation documents. **Applies if bid is Twenty-Five Thousand Dollars (\$25,000.00) or more.**
- c. In the event of a tie of low bids, the MHTC reserves the right to establish the method to be used in determining the award

Remedies and Rights

- a. No provision in the contract shall be construed, expressly or implied, as a waiver by the MHTC of any existing or future right and/or remedy available by law in the event of any claim by the MHTC of the Contractor's default or breach of contract.
- b. The Contractor agrees and understands that the contract shall constitute an assignment by the Contractor to the MHTC of all rights, title and interest in and to all causes of action that the Contractor may have under the antitrust laws of the United States or State of Missouri for which causes of action have accrued or will accrue as the result of or in relation to the particular equipment, supplies, and/or services purchased or produced by the Contractor in the fulfillment of the contract with the MHTC.
- c. In the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the Contractor may request MoDOT to enter into such litigation to protect the interests of the MHTC, and, in addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

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Cancellation of Contract

- a. The MHTC may cancel the contract at any time for a material breach of contractual obligations or for convenience by providing the Contractor with written notice of cancellation. Should the MHTC exercise its right to cancel the contract for such reasons, cancellation will become effective upon the date specified in the notice of cancellation sent to the Contractor.
- b. If the MHTC cancels the contract for breach, the MHTC reserves the right to obtain the equipment, supplies, and/or services to be provided pursuant to the contract from other sources and upon such terms and in such manner as the MHTC deems appropriate and charge the Contractor for any additional costs incurred thereby.

Bankruptcy or Insolvency

- a. Upon filing for any bankruptcy or insolvency proceeding by or against the Contractor, whether voluntary or involuntary, or upon the appointment of a receiver, trustee, or assigned the benefit or creditors, the Contractor must notify MoDOT immediately. Upon learning of any such actions, the MHTC reserves the right, at its sole discretion, to either cancel the contract or affirm the contract and hold the Contractor responsible for damages.

Inventions, Patents, and Copyrights

- a. The Contractor shall defend, protect, and hold harmless the MHTC, its officers, agents, and employees against all suits of law or in equity resulting from patent and copyright infringement concerning the Contractor's performance or products produced under the terms of the contract.

Inspection and Acceptance

- a. No equipment, supplies, and/or services received by MoDOT pursuant to a contract shall be deemed accepted until MoDOT has had reasonable opportunity to inspect said equipment, supplies, and/or services.
- b. All equipment, supplies, and/or services which do not comply with the specifications and/or requirements or which are otherwise unacceptable or defective may be rejected. In addition, all equipment, supplies, and/or services which are discovered to be defective or which do not conform to any warranty of the Contractor upon inspection (or at any later time if the defects contained were not reasonably ascertainable upon the initial inspection) may be rejected.
- c. The MHTC reserves the right to return any such rejected shipment at the Contractor's expense for full credit or replacement and to specify a reasonable date by which replacements must be received.
- d. The MHTC's right to reject any unacceptable equipment, supplies, and/or services shall not exclude any other legal, equitable or contractual remedies the MHTC may have.

Warranty

- a. The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished to or adopted by MoDOT, (2) be fit and sufficient for the purpose expressed in the solicitation documents, (3) be merchantable, (4) be of good materials and workmanship, and (5) be free from defect.
- b. Such warranty shall survive delivery and shall not be deemed waived either by reason of the MHTC's acceptance of or payment for said equipment, supplies, and/or services.

Status of Independent Contractor

- a. The Contractor represents itself to be an independent Contractor offering such services to the general public and shall not represent itself or its employees to be an employee of the MHTC. Therefore, the Contractor shall assume all legal and financial responsibility for taxes, FICA, employee fringe benefits, workers' compensation, employee insurance, minimum wage requirements, overtime, etc., and agrees to indemnify, save and hold the MHTC, its officers, agents and employees harmless from and against any and all losses (including attorney fees) and damage of any kind related to such matters.

Indemnification

- a. The Contractor shall be responsible for injury or damages as a result of any services and/or goods rendered under the terms and conditions of this Agreement.
- b. In addition to the liability imposed upon the Contractor on the account of personal injury, bodily injury, including death, or property damage, suffered as a result of the Contractor's performance under this Agreement, the Contractor assumes the obligation to save harmless the Commission, including its agents, employees and assigns, and to indemnify the Commission, including its agents, employees and assigns, from every expense, liability or payment arising out of such wrongful or negligent act or omission, including legal fees.
- c. The Contractor also agrees to hold harmless the Commission, including its agents, employees and assigns, from any wrongful or negligent act or omission committed by any subcontractor or other person employed by or under the supervision of the Contractor for any purpose under this Agreement, and to indemnify the Commission, including its agents, employees and assigns, from every expense, liability or payment arising out of such wrongful or negligent act or omission.

SPECIAL TERMS AND CONDITIONS

Insurance

- a. The Contractor shall purchase and maintain such insurance as will protect him from claims under workmen's compensation acts and other employee benefit acts, from claims for damages because of bodily injury, including death, and from claims for damages to property which may arise out of or result from the Contractor's operations under this Contract, whether such operations be by himself or by any Subcontractor or anyone directly or indirectly employed by any of them.
- b. This insurance shall be written for not less than any limits of liability specified as part of this contract, or required by law, whichever is the greater, and shall include contractual liability insurance as applicable to the Contractor's obligations under this contract. Unless otherwise specified, insurance limits shall be as follows:

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- 1) Workmen's Compensation: Workers Compensation Insurance, including "Occupational Disease Act" requirements, must be maintained **if** required by law.
- 2) Public Liability (includes property damage and personal injury):
 - i. Not less than \$400,000 for any one person in a single accident or occurrence.
 - ii. Not less than \$2,500,000 for all claims arising out of a single occurrence.
- 3) Special Hazard Insurance: As required.
- 4) Builder's Risk: Not less than the full Contract amount.

Official Holidays

- a. The following days shall be construed as **official holidays** under the terms of the contract:

January 1	New Year's Day
Third Monday in January	Martin Luther King, Jr.'s Birthday
February 12	Lincoln's Birthday
Third Monday in February	Washington's Birthday
May 8	Truman's Birthday
Last Monday in May	Memorial Day
July 4	Independence Day
First Monday in September	Labor Day
Second Monday in October	Columbus Day
November 11	Veteran's Day
Fourth Thursday in November	Thanksgiving Day
December 25	Christmas Day

- b. When any of the above **holidays falls** on a **Sunday**, the holiday will be observed on the following **Monday**; when any of the above **holidays falls** on a **Saturday**, the **holiday** will be observed on the immediately preceding **Friday**.

PREFERENCE IN PURCHASING PRODUCTS

DATE: _____

The bidders attention is directed to Section 34.076 RSMo 2000 which gives preference to Missouri corporations, firms, and individuals when letting contracts or purchasing products.

Bids/Quotations received will be evaluated on the basis of this legislation.

All vendors submitting a bid/quotation must furnish ALL information requested below.

FOR CORPORATIONS:

State in which incorporated: _____

FOR OTHERS:

State of domicile: _____

FOR ALL VENDORS:

List address of Missouri offices or places of business:

THIS SECTION MUST BE COMPLETED AND SIGNED:

FIRM NAME: _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

BY (signature required): _____

Federal Tax I.D. #: _____ **if no Federal Tax I.D. # - list Social Security #:** _____

NOTE: For bid/quotation to be considered, the "Preference in Purchasing Products" form must be on file in the General Services (Procurement) Division and must be dated in the current calendar year.

MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT

The bidder's attention is directed to the Missouri Domestic Products Procurement Act, Sections 34.350 to 34/359, RsMO, which requires all manufactured goods or commodities used or supplied in the performance of this contract or any subcontract to be manufactured or produced in the United States.

Section 34.355, RsMO, requires the vendor or contractor to certify his compliance with Section 34.353 and, if applicable, Section 34.359, RsMO, at the time of bidding **and** prior to payment. Failure to comply with Section 34.353, RsMO, during the performance of the contract **and** to provide certification of compliance prior to payment will result in nonpayment for those goods or commodities.

Section 34.353.2, RsMO, specifies that it does not apply where the total contract is less than Twenty-Five Thousand Dollars (\$25,000.00). If your total bid is Twenty-Five Thousand Dollars (\$25,000.00) or more, you **must** complete this form as directed below.

Failure to complete and return this document with this bid will cause the State to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis. Please read the certification appearing below on this form.

- [] If all the goods or products specified in the attached bid which the bidder proposes to supply to the State shall be manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left.

- [] If only one item of any particular goods or products specified in the attached bid is manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left and list the items (or item number) here:

- [] If any or all of the goods or products specified in the attached bid which the bidder proposes to supply to the State are **not** manufactured or produced in the "United States" as defined in Section 34.350, RsMO, then: (a) check the box at left; (b) list below, by item (or item number), the country other than the United States where each good or product is manufactured or produced; and (c) check the boxes to the left of the paragraphs below if applicable and list the corresponding items (or item numbers) in the spaces provided.

Item (or item number)	Location Where Item Manufactured or Produced

(attach an additional sheet if necessary)

- [] The following specified goods or products cannot be manufactured or produced in the United States in sufficient quantities or in time to meet the contract specifications. Items (or item numbers): _____

- [] The following specified goods or products must be treated as manufactured or produced in the United States, in accordance with an existing treaty, law, agreement, or regulation of the United States, including a treaty between the United States and any foreign country regarding export-import restrictions or international trade. Items (or item numbers): _____

CERTIFICATION

By submitting this document, completed as directed above, with a bid, the bidder certifies under penalty of making false declaration (Section 575.060, RsMO) that the information contained in this document is true, correct and complete, and may be relied upon by the State in determining the bidders qualifications under and in compliance with the Missouri Domestic Products Procurement Act.

The bidder's failure to complete and return this document with the bid as directed above will cause the State to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis pursuant to Section 34.353.3(2), RsMO.



LIQUID ASPHALT MGS-94-06E

1.0 DESCRIPTION. This specification covers Medium-Curing Cut-Back Asphalt, Rapid-Curing Cut-Back Asphalt, and Emulsified Asphalt.

2.0 MATERIALS.

2.1 Medium-Curing Cut-Back Asphalt. The material shall conform to the requirements of AASHTO M 82, invoking Note 2 using penetration in lieu of viscosity. Medium-curing cut-back asphalt shall show no separation or curdling prior to use and shall not foam when heated to the application temperature.

2.2 Rapid-Curing Cut-Back Asphalt. The material shall conform to the requirements of AASHTO M 81, invoking Note 2 using penetration in lieu of viscosity. Rapid-curing cut-back asphalt shall show no separation or curdling prior to use and shall not foam when heated to the application temperature.

2.3 Diluted Emulsified Asphalt. Diluted emulsified asphalt shall be homogeneous and shall be usable for a minimum of 3 days after delivery.

2.3.1 The base material shall be SS-1, SS-1H, CSS-1 or CS-1H meeting the requirements of Section 2.4 or Section 2.5 of these specifications.

2.3.2 The dilution rate shall be 1 part water to 1 part emulsion.

2.3.3 The percent residue shall be 28.5 minimum.

2.3.4 The supplier will not be held responsible for diluted emulsified asphalt that has frozen after delivery.

2.4 Anionic Emulsified Asphalt. Anionic emulsified asphalt shall be homogeneous and shall comply with the requirements of Table 1 of these specifications.

2.4.1 The anionic emulsified asphalt shall remain homogeneous and usable for a minimum of 30 days after delivery. The supplier will not be held responsible for emulsion that has been frozen after delivery.

2.5 Cationic Emulsified Asphalt. Cationic emulsified asphalt shall be homogeneous and shall comply with the requirements of Table 2 of these specifications.

2.5.1 The cationic emulsified asphalt shall remain homogeneous and usable for a minimum of 30 days after delivery. The supplier will not be held responsible for emulsion that has been frozen after delivery.

2.6 Polymer Modified Emulsified Asphalt. Polymer modified emulsified asphalt shall meet the requirements of Table 3 of these specifications.

2.6.1 The polymer modified emulsified asphalt shall remain homogeneous and usable for a minimum of 30 days after delivery. The supplier will not be held responsible for emulsion that has been frozen after delivery.

2.7 Scrub Seal Emulsion. Scrub seal emulsion shall meet the requirements of Table 4 of these specifications.

2.7.1 The scrub seal emulsion shall be smooth and homogeneous, be polymer modified and contain an asphalt rejuvenator. The scrub seal emulsion shall remain usable for a minimum of 30 days after delivery. The supplier will not be held responsible for emulsion that has been frozen after delivery.

3.0 Sampling and Testing.

Unless otherwise stated the AASHTO specifications shall be those in effect at the time of the order of this material. For all material, AASHTO T 111, *Inorganic Matter or Ash in Bituminous Materials*, may be substituted for AASHTO T 44, *Solubility of Bituminous Materials*, at the specification value indicated.

3.1 Medium-Curing and Rapid-Curing Cut-Back Asphalt. Sampling and testing of medium-curing and rapid-curing cut-back asphalts will be made as follows:

<u>Property</u>	<u>AASHTO</u>	<u>MC</u>	<u>RC</u>
Sampling	T 40	X	X
Water	T 55	X	X
Flash Point (Tag Open Cup)	T 79	X	X
Viscosity	T 201	X	X
Distillation	T 78	X	X
Penetration	T 49	X	X
Ductility	T 51	X	X
Solubility in Trichloroethylene	T 44	X	X

3.2 Emulsified Asphalt. Samples of emulsified asphalt shall be taken in accordance with AASHTO T 40.

3.3.1 Diluted emulsified asphalt, anionic emulsified asphalt, and cationic emulsified asphalt shall be tested in accordance with AASHTO T 59.

3.3.2 Polymer modified emulsified asphalt shall be tested in accordance with the procedures set forth for the applicable properties in Table 5.

3.4 Scrub Seal Emulsion. Samples of scrub seal emulsion shall be taken in accordance with AASHTO T 40.

3.4.1 Scrub seal emulsion shall be tested in accordance with the procedures set forth for the applicable properties in Table 6.

4.0 Rejection.

Emulsified asphalt that does not fully comply with the requirements of these specifications will be rejected. The supplier shall be responsible for the cost and disposal of rejected material, as well as any material in the state-owned tank into which the unsatisfactory material is unloaded.

5.0 Platform Scales for Weighing Bituminous Material. Equipment for weighing of bituminous material shall consist of accurate and reliable platform scales approved by the Department.

5.1 Scales shall be accurate to within 0.4 percent of the net load applied, when tested for accuracy, regardless of the location of the load on the platform. The value of the smallest unit of graduation on a scale shall be not greater than 20 pounds. Sensitivity requirements of scales not equipped with balance indicators shall be twice the value of the minimum graduated interval on the weigh beam, or 0.2 percent of the nominal capacity of the scale, whichever is less. For scales equipped with balance indicators, the sensitivity requirement shall be the value of the minimum graduated interval on the weigh beam.

5.2 When equipment to be weighed is of such length that all axles cannot be weighed simultaneously, a level area of Portland cement concrete or asphaltic concrete pavement shall be provided permitting those axles not on the scale platform to be on the pavement during the weighing operation. the approach shall be the same width as the platform and of sufficient length to insure the level positioning of vehicles during weight determinations. the weighing shall be performed with all brakes released. When equipment to be weighed is equipped with an air bag suspension unit on any axle, the equipment including semi-trailers or pup trailers shall be weighed on platform scales of sufficient size to weigh all axles of the combination simultaneously.

5.3 Scales shall have been calibrated within the year immediately prior to any material being delivered or any time the engineer has cause to question the accuracy of the scale. Scale acceptance shall be based on one of the following:

5.3.1 A valid certification or seal of approval by the Division of Weights and Measures of the Missouri Department of Agriculture.

5.3.2 A valid certification or seal of approval by a State of Missouri duly appointed "Sealer of weights and measures" in cities or counties of seventy-five thousand population or more.

5.3.3 Certification of calibration from a commercial scale service company showing that the scale meets the requirements of these specifications. The Supplier shall furnish the certificate of calibration to the engineer.

5.4 Regardless of the form of acceptance, the calibration shall be within the accuracy requirements specified herein and the scales shall meet all requirements of these specifications.

5.5 Verification of a platform scale may be required by the weighing of a hauling unit on another recently calibrated and certified scale.

5.6 All cost incurred in obtaining a certification of calibration or verification shall be borne by the Supplier.

6.0 Ordering Information. The unit bid request will set forth the grade or type, and quantity, of bituminous material being purchased.

TABLE 1 - ANIONIC EMULSIFIED ASPHALT

	RS-2	EA-90	EA-150	EA-300	SS-1	SS-1H
Viscosity, SFS, 25 C, SFS.	-----	-----	-----	-----	20-100	20-100
Viscosity, SFS, 50 C, SFS.	100-400	50-500	50-500	50-500	-----	-----
Sieve Test ^a , percent, max.	0.10 ^b	0.50	0.50	0.50	0.10 ^b	0.10 ^b
Cement Mixing Test, percent, max.	-----	-----	-----	-----	2.0	2.0
Demulsibility ^c , 35 ml, 0.02 N CaCl ₂ , (1.11g/L) percent, min.	60	-----	-----	-----	-----	-----
Distillation:						
Oil distillate, by volume of emulsion, percent, max.	-----	4	4	7	-----	-----
Residue, percent, min.	63	65	65	70	57	57
Tests on residue from distillation:						
Penetration, 25 C, 100 g, 5 sec., dmm	100-200	90-150	150-300	300 Min.	100-200	40-90
Ductility, 25 C, 5 cm/min., cm.,min.	40	-----	-----	-----	40	40
Solubility in trichloroethylene, percent, min.	97.5	97.5	97.5	97.5	97.5	97.5
Float Test, 60 C, sec., min.	-----	1200	1200	1200	-----	-----

^a This test requirement on representative samples is waived if successful application of the material has been achieved in the field.

^b A percentage of 0.30 is acceptable for samples taken at point of use or shipped to the Central Laboratory for testing.

^c The demulsibility test shall be made within 30 days from date of shipment.

TABLE 2 - CATIONIC EMULSIFIED ASPHALT

	CRS-2	CMS-2M	CSS-1	CSS-1H
Viscosity, Saybolt Furol at 25 C, SFS.	----	----	20-100	20-100
Viscosity, Saybolt, Furol at 50 C, SFS.	100-400	50-500	----	----
Sieve Test ^a , percent, max.	0.10 ^b	0.50	0.10 ^b	0.10 ^b
Cement Mixing Test, percent, max.	----	----	2.0	2.0
Demulsibility ^c , 35 ml, 0.8% sodium dioctyl sulfosuccinate, percent, min.	40	----	----	----
Particle Charge Test	Positive	Positive	Positive ^d	Positive ^d
Distillation:				
Oil distillate, by volume of emulsion, percent, max.	3	7	----	----
Residue, percent, min.	65	70	57	57
Tests on Residue from Distillation:				
Penetration, 25 C, 100 g, 5 sec., dmm	100-250	300 min.	100-250	40-90
Ductility, 25 C, 5 cm/min., cm.,min.	40	----	40	40
Solubility in trichloroethylene, percent, min.	97.5	97.5	97.5	97.5

^a This test requirement on representative samples is waived if successful application of the material has been achieved in the field.

^b A percentage of 0.30 is acceptable for samples taken at point of use or shipped to the Central Laboratory for testing.

^c The demulsibility test shall be made within 30 days from date of shipment.

^d If the particle charge test result is inconclusive, materials having a maximum pH value of 6.7 will be acceptable.

TABLE 3 - POLYMER MODIFIED EMULSIFIED ASPHALT

Tests	CRS-2P		EA-90P	
	Min.	Max.	Min.	Max.
Viscosity, Saybolt, Furol at 50 C, SFS.	100	400	100	400
Storage Stability Test ^{b, c} . 24 hour, percent	----	1	----	1
Classification Test	Pass	----	----	----
Particle Charge Test	Positive	----	----	----
Sieve Test, 20 mesh, percent ^c	----	0.3	----	0.3
Demulsibility, 35 ml, 0.02 N CaCl ₂ , (1.11g/L) percent, min. ----	----	30	----	
Distillation:				
Oil Distillate by volume of emulsion, percent	----	3	----	3
Residue from Distillation ^d , percent	65	----	65	----
Tests on Residue from Distillation:				
Penetration, 25 C, 100 g, 5 sec.	100	200	100	200
Ductility, 4 C, 5 cm/min, cm	30	----	25	----
Ash ^e , percent	----	1	----	1
Float Test at 60 C, sec.	----	----	1200	----
Elastic Recovery, percent ^f	58	----	58	----

^a All tests are performed in accordance with latest AASHTO T 59 except as noted.

^bIn addition to AASHTO T 59; upon examination of the test cylinder, after standing undisturbed for 24 hours, the surface shall show no appreciable white, milky colored substance and shall be a homogeneous brown color throughout.

^c This test requirement on representative samples is waived if successful application of the material has been achieved in the field.

^d AASHTO T 59 modified to maintain a 205 C ± 5 C maximum temperature for 15 minutes.

^e AASHTO T 111, Ash in Bituminous Materials.

^f Condition the ductilometer and samples to be treated at 10 C. Prepare the brassplate, mold and briquet specimen in accordance with AASHTO T 51. Keep the specimen at the specified test temperature of 10 C for 85-95 minutes. Immediately after conditioning, place the specimen in the ductilometer and proceed to elongate the sample to 20 cm at the rate of pull of 5 cm/min. After the 20 cm elongation has been reached; stop the ductilometer and hold the sample in its elongated position for 5 minutes. After 5 minutes, clip the sample approximately in half by means of scissors or other cutting devices. Let the sample remain in the ductilometer in an undisturbed condition for one hour. At the end of this time period, retract the half sample specimen until the two broken ends touch. At this point note the elongation (x) in cm. Calculate the percent recovery by the following formula:

$$\text{Percent Recovery} = \frac{20 - X}{20} \times 100$$

TABLE 4 - SCRUB SEAL EMULSION

	Min.	Max.	Test Method
Tests on Scrub Seal Emulsion:			
Saybolt Furol Viscosity, @ 25 C,SFS	30	100	ASTM D244
Storage Stability Test ^{a,b} , 24 hr., %	--	1	ASTM D244
Demulsibility, 35 ml, 0.02 N CaCl ₂ , (1.11g/L) percent, min.	--	60	ASTM D244
Sieve Test ^{b,c} , %	--	0.1	ASTM D244
Residue by Distillation ^d , %	60	--	ASTM D244
Oil Distillate by Volume, %	--	3	
Tests on Residue from Distillation:			
Penetration @ 25 C, 5 sec, 100 g, dmm	100	300	ASTM D5
Float Test @ 60 C, sec	1200	--	ASTM D139
Ash, %	--	1	AASHTO T111
Elastic Recovery ^e , %	30	--	ASTM D5976
Saturates ^f , %	--	20	ASTM D4124

- ^a Upon examination of the test cylinder after standing undisturbed for 24 hours, the surface shall show no white, milky colored substance but shall be a homogeneous brown color throughout.
- ^b This test requirement on representative samples is waived if successful application of the material has been achieved in the field.
- ^c A percentage of 0.30 is acceptable for samples taken at the point of use or shipped to the Central Laboratory for testing.
- ^d ASTM D244 with modifications to include a 205 ± 5 C maximum temperature to be held for 15 minutes.
- ^e ASTM D5976 with test temperature of 10°C and modification of 200 mm elongation.
- ^f ASTM D4124 with modification to use Alumina, CG - 20 Grade, available from Aluminum Company of America, Pittsburgh, PA.