

SEBASTIAN COUNTY JUDGE

Purchasing Department

35 South 6th Street, Room 106

Fort Smith, Arkansas 72901

(479) 784-1502 Fax (479) 784-1550

May 3, 2015

NOTICE TO: Qualified Bidders

SUBJECT: Request for Proposal, Bid Number SC – 1505

Sebastian County is interested in receiving sealed written proposals for furnishing the products/services specified in the attached Request for Proposal (RFP). Complete details regarding the products and/or services required by the County, and instructions for participating in the bid process, are included in the attached bid package.

Bids must be received by the time and date indicated in the RFP. Bids received after the time and date set for opening will not be considered.

Bidders who do not wish to submit bids must submit a "No Bid" to continue to be eligible for retention on the Bid List. The Bid List is periodically reviewed and bidders who have not responded to proposal requests are deleted.

If you are interested in submitting a bid, please be sure that the requirements of the RFP are completed since failure to meet the requirements could cause your bid to be rejected.

Any questions regarding the Bid Invitation should be directed to the Purchasing Department, (479) 784-1502.

Charity Gregory
Purchasing/Facilities Administrator
Sebastian County

Attach: RFP

REQUEST FOR PROPOSAL

Sebastian County, Arkansas

COVER SHEET

SECTION 1

BID NUMBER: SC-1505

TITLE: Sturgeon Road Double Asphalt Surface Treatment with Fog Seal

OPENING: DATE: May 15, 2015
TIME: 3:00 p.m.
PLACE: Purchasing Department
35 South 6th Street, Room 106
Fort Smith, Arkansas

MAIL SEALED PROPOSALS TO: Sebastian County Purchasing Dept.
35 South 6th Street, Room 106
Fort Smith, Arkansas 72901

ON OUTSIDE OF PROPOSAL SHOW: (1) Return address
(2) Bid opening date
(3) Bid number & title

BIDDER MUST COMPLETE THE FOLLOWING INFORMATION:

NAME OF BIDDER: _____

ADDRESS: _____

CITY/STATE/ZIP CODE: _____

TELEPHONE NUMBER: _____ FAX Number: _____

INSTRUCTIONS:

1. Unit prices and extensions are required on proposal form.
2. **Return *three* copies of Complete Proposal, and any other documents required by the specifications.**
3. Proposals must be signed to be accepted.
4. Any trade discounts should be deducted and net prices shown.
5. Bidder must guarantee product(s) offered will meet or exceed specifications contained in this Request for Proposals.
6. Bidding procedures will be in compliance with Arkansas Laws.
7. **QUOTE:** F.O.B. destination.
8. **TERMS:** Net 30 days.

PROPOSAL FORM

BID NO. SC-1505

SECTION II

We, the undersigned, agree to furnish the products and/or services indicated below in accordance with the specifications and conditions contained herein, at the bid price shown.

It is expressly agreed and understood by and between the parties hereto, and is made a condition precedent to the entering into of any purchase agreement resulting from this invitation to bid, that the County Judge, Sebastian County, shall determine any and all questions or disputes which may arise concerning conformity to the specifications and conditions, and proposals; and the quantity, suitability, and acceptability of all items to be furnished hereunder; and his decision as to such matters shall be final, binding, and conclusive upon the parties hereto.

That this Request For Proposal and proposals submitted hereunder shall be governed by the laws of the State of Arkansas.

We, the undersigned, affirm that this proposal is made on behalf of the undersigned, and is made without collusion on the part of any person, firm or corporation; and that the conditions and other provisions have been carefully examined and are agreed to.

Per Statue 26-52-410 of the Arkansas Code, "No tax shall be levied or collected upon gross receipts derived from the sale of motor vehicles to municipalities and counties or to state-supported colleges and universities or to public school districts in this state".

Exceptions to specifications: NO _____ YES _____ (Attach itemized list)

From: _____ **Signature:** _____
(Vendor) (Printed name & signature)

Date: _____ **Title:** _____

1. Bids must be received no later than the date and time set for bid opening. **Bids must be sealed.** Bids may be withdrawn, modified or corrected by the bidder after it has been submitted provided a written request to do so is filed with the County Judge prior to the time set for opening the bid. Telegrams or letters received prior to the time set for opening the bids will be accepted and attached to the unopened bid, and the bid will be considered withdrawn, modified, corrected, or otherwise changed accordingly. **NO BID MAY BE WITHDRAWN, MODIFIED, CORRECTED, OR OTHERWISE CHANGED AFTER THE TIME SET FOR OPENING THE BIDS.**
2. Specifications are designed to describe the type and quality of the product/services desired by the County. They are not intended to restrict bidding on any like product/service of equal or higher quality. Any exceptions to the specifications must be noted on a separate sheet by reference to the item number in the specifications where the exception is taken. If no exceptions are submitted with the Proposal, and accepted by the County, bidders will be expected to comply with the specifications. Products and/or services will be inspected for compliance prior to acceptance.
3. Prices quoted will be considered net prices unless otherwise stated by the bidder in the proposal. Bid prices must remain firm for 60 days unless otherwise stated in the specifications.
4. It shall be understood and agreed that any material or product purchased under this bid shall be new and in first class condition unless otherwise stated in or required by the bid invitation.
5. **Bids must be signed to be accepted.** Signature must be that of the individual authorized to obligate the bidder who is submitting the bid or proposal.
6. The County is exempt from Federal Excise Taxes and such taxes shall not be included in the bid price. Documentation will be furnished where required.
7. State and Local Sales Taxes shall be stated as a separate item and shall not be included in the bid price of the product/services being proposed. If no taxes are so stated, the County will assume that any taxes due have been included in the price quoted and no additional taxes will subsequently be added to the bid price. The County is Sales Tax Exempt on motor vehicle purchases.
8. **BIDS WILL BE EVALUATED BASED UPON COMPLIANCE WITH THE SPECIFICATIONS, BID PRICE, APPLICABILITY AND SUITABILITY OF THE PRODUCT/SERVICES BEING OFFERED, PRODUCT AND VENDOR RELIABILITY, WARRANTY, DELIVERY TIME, AND SUCH OTHER FACTORS DEEMED APPROPRIATE TO ASSURE THE COUNTY RECEIVES A QUALITY PRODUCT MOST ADVANTAGEOUS TO THE COUNTY.**
9. Assignment of any part or all of payments accruing under contracts or purchase agreements resulting from this Invitation to Bid will not be authorized. Payment shall only be made to the Contractor or vendor with whom the order is placed.
10. The County reserves the right to accept part or all of any specific bid or bids, and to accept any bid or bids with or without trade-in whichever is most advantageous to the County.
11. The Sebastian County Judge reserves the right to reject any or all bids/proposals, to accept any deemed most advantageous to the County, and to waive any formalities.

**Sebastian County Project Bid Detail / Description
Sturgeon Road Double Asphalt Surface Treatment with Fog Seal**

The purpose of this project is to apply a Double Asphalt Surface Treatment using CRS-2P and Class 1 Mineral Aggregate on the first seal and CRS-2P and Class 4 Mineral Aggregate on the second seal. The CRS-2P shall be applied at a rate of .44 gallons/square yard on the first seal with 29 lbs/square yard of Class 1 Mineral Aggregate. The CRS-2P shall be applied at a rate of .28 gallons/square yard on the second seal with 17 lbs/square yard of Class 4 Mineral Aggregate. The project will be constructed one lane at a time, applying the materials half width. Upon completion of the Double Asphalt Surface Treatment, a CQS-FS fog seal shall be applied in half widths at a rate of .12 gallons per square yard. The asphalt distributor nozzles used shall be rated for the rates listed herein. At no time shall two treatments be applied on the same working day.

This project consists of Double Asphalt Surface Treatment, Fog Seal, and Traffic Control. Mobilization shall be figured into the bid to be paid upon completion and acceptance of the work. The rates listed herein are for bidding purposes only and may be adjusted in the field based off of changes in materials or other considerations. Sebastian County must approve any application rate changes. The CRS-2P and Class 1 & 4 Mineral Aggregate shall conform to the current edition of the Arkansas State Highway and Transportation Department's Standard Specifications, Sections 401-403 shall govern the materials and application process. CQS-FS specifications are attached herein. A pre-construction meeting shall be required with the successful bidder prior to start of construction.

Performance/Payment Bond

The bidder further proposes to execute the contract agreement, and to furnish satisfactory bonds within ten days after he has received notice that he has been awarded the contract. The bidder further agrees to begin work when ordered by the Engineer, or within ten days thereafter, and to complete the work **within twenty-five (25) working days**.

The bidder also proposes to furnish a surety Performance bond or bonds in a sum equal to the full amount of the contract and a surety Payment bond or bonds in a sum equal to 80% of the full amount of the contract. These bonds shall not only serve to guarantee the completion of the work and payment of all bills and claims by the bidder, but provisions of the Plans, Specifications and Special Provisions fulfilled.

Materials:

All chip seal materials shall meet the requirements of AHTD Standard Specification, Section 403. Aggregate materials shall be clean and free of clay, and shall be a single-sized, cubical, crushed material meeting the gradation requirements for Class 1 and Class 4 aggregates. Handling of the aggregates (transporting, stockpiling, etc.) should be kept to a minimum.

Construction:

County Road Department will prepare the surface by milling and/or patching any areas exhibiting structural failure. Vendor will ensure the surface is clean, dry, and free of loose material before the binder is applied.

Placement shall occur during clear and warm weather with a minimum pavement temperature of 55 F and rising.

Chip seals shall not be placed immediately after a rainfall event or when rain is forecasted within the next 24 hours, and should not be placed during periods of excessive humidity.

Materials shall be placed evenly and consistently, at the specified rates throughout the application width.

Calibration:

Prior to placement of the seal, the binder and chip application rates shall be verified by the application of the material on a carpet, pan, or other test surface of known weight. The net weight of the material applied to the test surface shall be divided by the area of the test surface to determine application rate in lb/yd². The density of the material can be used to convert another appropriate measure, such as gal/yd².

Surfacing Quantities - (Sturgeon Road)

<u>Item</u>		<u>Length (miles)</u>	<u>Width (feet)</u>	<u>Square Yards</u>	<u>CRS-2P Gallons</u>	<u>Aggregate (Tons)</u>	<u>CQS-FS Gallons</u>
A	Double AST						
	First Seal	4.9	22	63,243	27,827	917	
	Second Seal	4.9	22	63,243	17,708	538	
B	Fog Seal	4.9	22	63,243			7589.12
TOTALS:					45,535	1,455	7,589

Schedule of Items

<u>Line #</u>	<u>Item Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Bid Price</u>	<u>Extension</u>
1	Polymer Modified Cationic Emulsified Asphalt (CRS-2P)	45,535	Gallon		
2	Mineral Aggregate in Asphalt Surface Treatment (Class 1 & 4)	1,455	Ton		
3	Fog Seal (CQS-FS)	7,589	Gallon		
4	Maintenance of Traffic	1	Lump Sum		
TOTAL BID FOR AWARD CONSIDERATION-					\$

Arkansas Material Specification for CQS-FS

CQS-FS is a cationic emulsified asphalt used in fog seal applications. It is a fast breaking, fast curing emulsion. It shall be produced in such a way that allows return to traffic [non-turning] in less than 1 hour at temperatures above 77° F (25° C) with less than 50% humidity. Application rate shall vary according to the demands of the pavement but shall typically be in the range of 0.08-0.12gal/s.y. for use on chip seals, and 0.05-0.15gal./s.y. over bituminous mixtures.

<u>TEST ON EMULSION</u>	<u>Method</u>	<u>Min.</u>	<u>Max.</u>
Viscosity @ 25°C, SSF	ASTM D88	40	500
Sieve Test, %	ASTM D244		0.10
24-Hour Storage Stability, % (Note 1)	ASTM D244		1
Residue from Distillation @ 260°C, %	ASTM D244	60	
Oil portion from distillation ml of oil per 100g emulsion (Note 2)	ASTM D244		1
Emulsion Particle Charge	ASTM D244	positive	

<u>TESTS ON DILUTED EMULSION</u>	<u>Method</u>	<u>Min.</u>	<u>Max.</u>
Viscosity @ 25°C, SSF	ASTM D88		50
Sieve Test, %	ASTM D244		0.10
Residue from Distillation @ 260°C, %	ASTM D244		
Application over Chip Seals		40	
Application over bituminous plant mix		30	

TEST ON RESIDUE FROM DISTILLATION:

Penetration @ 25°C, 100 g, 5 sec, dmm	ASTM D5	60	150
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PERFORMANCE TESTS OF EMULSION WITH AGGREGATE [Chip Seal Applications]:

Water Immersion test, 30 min. air cure 20-25 C. * no discoloration of water

Pneumatic tire Peel up/Tracking test on Sweep test specimen ; 5%
60 min. cure @ ambient temperature (percent loss of coating on wheel path area)

Standard Test Method for Fog Seal Emulsion/Aggregate

Tracking using Pneumatic Tire on Sweep Test Samples

1. Scope:

1.1 This test method is intended to serve as a rapid field-correlation test. The purpose of this test is to indicate under standard conditions, the propensity for a fog seal emulsion to track or peel under traffic loading; when applied at a specified application rate after a specified cure time using a wheel tracking device over standard D 7000 chip seal samples.

1.2 *Units of Measurement:*

1.2.1 The values stated in SI units are to be regarded as the standard. Values in parentheses are for information only.

2. Terminology

2.1 *Definitions of terms specific to this standard:*

2.1.1 Pneumatic rubber tire apparatus- as referred to in this test method, a weighted tire [durometer of 75 +/- 5] with a total applied rolling load of 15 +/- 0.1 kg/in² (2325 g/cm²) that is used to induce asphalt peel up after a specified emulsion cure time.

2.1.2 Chip seal aggregate- as referred to in this test method, the site specific aggregate used for chip seal applications. Alternatively, the agency may specify a standard reference aggregate for this application.

2.1.4 Tracking- as referred to in this test method, the tendency of a partially cured emulsion to peel up onto a tire or delaminate from the surface of the aggregate.

3. Summary of Test Method

3.1 Sweep test samples are made using test method D7000 with the addendum that the samples are fully for 24hrs in a 60C oven before the aggregate is swept.

3.2 After sweeping of the sample, the fog seal emulsion is applied and cured at ambient temperature for 60min.

3.3 After curing, a pneumatic rubber tire assembly, as described above, positioned perpendicular to the testing sample, is rolled over the sample 4 times and the sample is observed for asphalt peel up.

4. Significance and Use

4.1 The results from this test method can be used to determine whether the cure time of the emulsion is adequate enough so that the result is little or no asphalt peel up when traffic is returned to the fresh surface.

5. Apparatus

5.1 *Balance*, capable of being read to the nearest 0.1 g.

5.2 *Air Brush or other suitable spray device*

5.3 *Felt paper*, as indicated in test method D7000.

5.3 *Sweep test template*, as indicated in test method D7000.

5.4 *Strike off rod*, as indicated in test method D7000.

5.5 *Oven*, capable of maintaining a temperature of 60C (140F).

5.6 *Pneumatic weighted rubber tire*, a weighted tire [durometer of 75 +/- 5] with a total applied rolling load of 15 +/- 0.1 kg/in² (2325 g/cm²).

6. Sampling

6.1 Sample the aggregate in accordance with test method D7000.

7. Sample Preparation

- 7.1 Obtain a sample in accordance with test method D 7000.
- 7.2 Perform the test preparation methods laid out in D7000 with the exception that the samples should be cured in a 60C (140F) oven for 24hrs and let cool to 25C (77F) before being swept in the method described in test method D7000.
- 7.3 Emulsion (maintained at 60C (140F)) should be diluted to 40% asphalt upon manufacturers recommendation and maintained at 60C (140F).
- 7.4 Emulsion should be weighed out into three 27.8g samples.
- 7.5 Airbrush should be primed before use with soap use to manufacture the emulsion.

8. Procedure

- 8.1 Airbrush 27.8g (0.1gal/yd²) of the diluted fog seal emulsion kept at 60C onto the sweep test sample.
- 8.2 The airbrushed sample shall be allowed to cure for 1 hour at ambient lab temperature.
- 8.3 After the 60min cure time, immediately place the sample onto a level surface and roll the weighted pneumatic tire over the sample until the number passes over the sample reaches 4. The wheel should be controlled such that every pass follows the same path as the previous.
- 8.4 Observe the degree to which the asphalt has peeled up off the surface of the specimen.

9. Observation

- 9.1 Visually observe and determine the percentage of asphalt peel up onto the tire.

10. Report

- 10.1 Pass or fail of the fog seal formulation after peel up test based on the following images:



Passing with little/no peel up



Marginal result. Pickup approximately 5% of treated surface.



Severe peel up. Failing result. Pickup exceeds 5% of treated surface.