

Pittsburg County, Oklahoma  
**COUNTY PURCHASING OFFICE**  
 Pittsburg County Court House  
 McAlester, Oklahoma  
 Phone: (918) 423-4934

**INVITATION TO BID**

PLEASE REVIEW TERMS AND CONDITIONS ON REVERSE SIDE RELATING TO SUBMISSION OF THIS BID.

Notarized Affidavit completions and signature required on reverse side.

DATE ISSUED	<b>22-Aug-16</b>
PAGE 1 OF	

BID NUMBER <b>BID # 6</b>	BID CLOSING DATE AND HOUR <b>September 6, 2016 @ 10:00AM</b>	REQUIRED DELIVERY DATE Days after award of Purchase Order
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TERMS:	DATE OF DELIVERY:
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Item	Quantity	Unit of issue	DESCRIPTION	Unit Price	Total
			Pittsburg County District #3 wishes to advertise for the following for the BIA-Tannehill Road Project:  CMS-IPC (Scrub Seal) A cationic, water-based asphalt emulsion product  See Specifications Attached		

**TERMS AND CONDITIONS**

1. Sealed bids will be opened in the Commissioner's Conference Room, Pittsburg County Courthouse, McAlester, Oklahoma, at the time and date shown on the invitation to bid form.
2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of the envelope.
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F.O.B. destination.
5. Purchases by Pittsburg County, Oklahoma, are not subject to state or federal taxes.
6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.
8. Bids will be firm until delivered.

(DATE)

AFFIDAVIT: I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity; quality or price in the prospective contract or any other terms of said prospective contract; or in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this \_\_\_\_\_ day  
of \_\_\_\_\_ 20\_\_\_\_ (seal)

My commission expires \_\_\_\_\_ Signed by: \_\_\_\_\_ Title: \_\_\_\_\_  
Firm: \_\_\_\_\_  
(MANUAL SIGNATURE OF UNDERSIGNED)

\_\_\_\_\_  
NOTARY PUBLIC (CLERK OR JUDGE)  
Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
City: \_\_\_\_\_ State \_\_\_\_\_  
Zip \_\_\_\_\_

NOTE: Other terms and conditions can be added at the discretion of the county officers.

RESOLUTION #17-026

To  
Advertise

The Board of County Commissioners, Pittsburg County, met in regular session on Monday, August 22, 2016.

WHEREAS, Pittsburg County District #3 wishes to advertise for the following for the BIA - Tannehill Road Project:

CMS-IPC (Scrub Seal)  
A cationic, water-based asphalt emulsion product


A bid package containing complete specifications and an "Invitation to Bid" are available at the Pittsburg County Clerk's Office, 115 E. Carl Albert Parkway, Room 103, McAlester, Oklahoma 74501 or online at [pittsburg.okcounties.org](http://pittsburg.okcounties.org).

THEREFORE, each competitive bid submitted to the County must be accompanied with an affidavit for filing with the competitive bid form, as required by 61 O.S. § 138.

Sealed bids will be received and filed with the Pittsburg County Clerk and opened on Tuesday, September 6, 2016 at 10:00 a.m. in the Board of County Commissioners Conference Room, Pittsburg County Courthouse, 115 E. Carl Albert Parkway, McAlester, Oklahoma. Bid will be awarded to the lowest or best bidder. The Board of County Commissioners, Pittsburg County, reserves the right to reject any and all bids and re-advertise.

BOARD OF COUNTY COMMISSIONERS  
PITTSBURG COUNTY, OKLAHOMA

  
CHAIRMAN

  
VICE-CHAIRMAN

MEMBER

ATTEST:



  
COUNTY CLERK

**Product:** CMS-1PC

**Description:** A cationic, water-based asphalt emulsion product used primarily as a rejuvenating scrub seal.

**Specification:**

Property	Test Procedure (AASHTO)	Specification	
		(min)	(max)
<b>Emulsion Properties</b>			
Viscosity, Saybolt-Furol, @ 77°F, SFS	T59	50	350
Storage, 24 hour, %	T59		1
Oil Distillate, %	T59		0.5
Sieve Test, %	T59		0.1
Residue by Distillation <sup>(1)</sup> @ 350°F, %	T59	60	
<b>Residue Properties From Distillation</b>			
Penetration @ 4°C, 200g weight, 60 sec	T49	30	
<b>Residue Properties From Low Temp Evaporation</b>			
PP72-11, Procedure B			
Dynamic Shear, G*/sin δ @ 64°C, kPa	T315	Report Only	
<b>Polymer Properties<sup>(2)</sup></b>			
Swelling in rejuvenating agent, % max weight increase: 48 hrs	ASTM D471 Modified <sup>(2)</sup>		40%
Tensile Strength (psi)	ASTM D412a Modified <sup>(2)</sup>	800	
Glass Transition Temperature (T <sub>g</sub> ) – Midpoint by DSC (°C)	ASTM D7426 Modified <sup>(2)</sup>	0	
Latex Density at 23°C (g/cm <sup>3</sup> )	ASTM D6937 Modified <sup>(2)</sup>	1.00	1.05
Latex pH	ASTM E70 Modified <sup>(2)</sup>	6.0	8.0
<b>Test on Rejuvenating Agent</b>			
Flash Point, COC, °F	T48	380	
Viscosity, 140 °F, CST	201	50	175
Saturate, % by wt	ASTM D2007		30
Asphaltenes	ASTM D2007		1.0
<b>Test on Residue from RTFO</b>			
Weight change, %			6.5
Viscosity Ratio			3

1. Exception to AASHTO T59: Bring the temperature on the lower thermometer slowly to 350 °F plus or minus 10 °F. Maintain this temperature for 20 minutes. Complete the total distillation in 60 plus or minus 5 minutes.
2. For modifications for Polymer Properties testing, refer to Appendix A Test Modifications.
3. The emulsion supplier shall receive quarterly certificates of analysis from both the polymer and rejuvenating agency manufacturers. The COAs will be provided to the agency upon request.

While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user. August 2014

## Appendix A Test Modifications

### ASTM D471 Standard Test Method for Rubber Property-Effect of Liquids: Modifications for Polymer Testing, Resistance to Swelling:

1. Using a syringe, place 0.8 gm of latex into a 18 mm diameter DSR mold.
2. Allow the sample to dry at ambient lab conditions (air conditioned) on the bench for 72 hours. Sample should be easily removable from the mold.
3. Take the "button" out of the mold and place the sample into a forced air oven at 40°C (104°F) for 48 hours (on release paper). If at the end of the ambient dry, the sample sticks to the mold, place it into the oven and check it after 1-2 hours.
4. After 48 hours cool and weigh the sample to the nearest 0.0001 gram and record the weight.
5. Put ½ inch of Rejuvenating Agent into a 3 oz penetration tin.
6. Place the "button" on the Rejuvenating Agent, and add another ½ inch of Rejuvenating Agent, so that the "button" is covered.
7. Put the cap on the penetration tin and place it into the 40°C oven for 48 hours.
8. Remove the "button" from the Rejuvenating Agent, blot surface of the "button" to remove excess Rejuvenating Agent, cool the "button" to room temperature and weigh it.
9. Calculate weight gain of the "button", express as %.

### ASTM D412A Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension: Modifications

1. To prepare the polymer film, dilute the waterborne polymer to 40% Total Solids Content and pour 57 g into a Teflon or silicone release mold of dimensions 7" X 7" X ¼".
2. Allow to dry at 23°C (73 °F) and 50% RH (controlled conditions) for 7 – 10 days total time, during which time the film should be flipped around once, preferably after 3 or 4 days. The film should be transparent in the end.
3. To drive out any residual water, place the film in an oven at 50°C for 30 min. Dried film thickness should be 25 mil +/- 5 mils. Discard films <20 mil.
4. Cut out dumbbell-shaped test specimens of dimension 75 mm total length, 25 mm mid-section (L) and 4 mm width of mid-section.
5. Grip in Instron machine with gap size 1 inch, use 8 inch/min cross-head speed.

### ASTM D7426 Standard Test Method for Assignment of the DSC Procedure for Determining Tg of a Polymer or an Elastomeric Compound Modifications

Use between 3 – 30 mg dry polymer. Instrument used is TA Q2000 Differential Scanning Calorimeter (DSC). Heating rate is 20°C/min.

### ASTM D6937 Standard Test Method for Determining Density of Emulsified Asphalt: Modifications

Replace "Emulsified Asphalt" with "Latex" in text of test method. The testing temperature used should be 25 +/- 3°C. The calculation in Section 7 should be as follows:

Calculation:  
 $D = (W_f - W_t) * 0.1$   
 $S.G. = D / 8.337$   
Where:  $W_f$  = Weight of filled cup (g)  
 $W_t$  = Weight of empty cup (g)

### ASTM E70 Standard Test Method for pH of Aqueous Solutions with the Glass Electrode: Modifications

1. A pH meter with automatic temperature measurement should be used in the evaluation with a calomel cell assembly or combination electrode. Calibration should be made using the procedure with the pH meter, according to ASTM method, prior to testing the pH of the latex. In Section 9, the procedure for measuring pH of the latex should be as follows:
  - (a) Place the electrode and probe into the dispersion that is to be measured and swirl the sample cup or beaker gently. (You may also use the probe in a stirring motion.)
  - (b) Wait for the reading to stabilize (usually less than a minute) and read/record this value. Note the temperature if not utilizing an ATC probe.
  - (c) Take the electrode and ATC probes from the sample and rinse thoroughly with de-ionized water. Pat dry and place back into appropriate solution recommended by electrode manufacturer for storage.