PAYNE COUNTY BOARD OF COUNTY COMMISSIONERS STILLWATER, OKLAHOMA

"NOTICE TO BIDDERS"

Notice is hereby given that the Payne County Board of Commissioners State of Oklahoma, will receive sealed bids for the following:

BID # 2022-25 ASPHALT REJUVENATOR

Bid documents may be picked up at the Payne County Clerk's Office at 315 W. 6th, Suite 202, Payne County Administration Building, Stillwater, Oklahoma, or you can request that the Bid Documents be Emailed to you, call 405-747-8348 to request that they be mailed or E-mailed.

Bids should be mailed or hand delivered to the Payne County Clerk, 315 W. 6th, Suite 202, Stillwater, OK. 74074, Bids must be filed with the Payne County Clerk on or before 9:30 A.M. on NOVEMBER 15, 2021. Bids must be sealed and clearly marked:

BID # 2022-25 FOR

ASPHALT REJUVENATOR OPENING: NOVEMBER 15, 2021 @ 9:30 A.M. PAYNE COUNTY DISTRICT 1 COMMISSIONER, ZACH CAVETT, (918) 225-1330

The Board of County Commissioners, or their appointed representative, will evaluate all bids, and reserves the right to reject any or all bids, and reserves the right to waive any of the listed specifications. The Board of County Commissioners reserves the right to accept the bid determined to best serve the needs of Payne County.

Payne County hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex or national origin in consideration for an award.

KYLA MCCOMBS PURCHASING AGENT



Payne County Clerk

BID # 2022-25
ASPHALT REJUVENATOR
PAYNE COUNTY DISTRICT 1, ZACH CAVETT

Vendor and or company representative,

Included in this correspondence you will find information regarding bid specifications, packet information, and instructions per the Payne County Commissioners who are requesting your company submit a bid for the enclosed project or materials.

The enclosed packet has been developed and approved by the Payne County Commissioners, the content of the packet is per their instruction. The Payne County Clerk's office is the facilitator of the bid process and is required to receive and hold all sealed bids per Oklahoma State Statutes to present to the Board of Commissioners in an open session.

If you have any questions, in regards, to the pack content, specifications, and instructions please contact the following:

ZACH CAVETT, DISTRICT 1 COMMISSIONER- 918-225-1330

We appreciate your bid and time, in regards, to the process. We look forward to hearing from you.

Kind Redards

Glenna Craig, Payne County Clerk

State of Oklahoma

All bids can be mailed or emailed to vendors upon request, or can be downloaded for completion from our website: www.countyclerk.paynecounty.org

CONTACT KYLA MCCOMBS-PAYNE COUNTY PURCHASING AGENT FOR EMAIL OR MAILED BIDS AT: kmccombs@paynecountyclerk.org

ALL BIDS MUST BE SUBMITTED BACK TO THE PAYNE COUNTY CLERKS OFFICE BY MAIL, OR IN PERSON SEALED BEFORE 9:30 AM ON THE DATE OF BID OPENING.



Office of GLENNA CRAIG

Payne County Clerk

INVITATION TO BID

The Board of County Commissioners, Payne County, Oklahoma is seeking sealed bids for:
BID # 2022-25
ASPHALT REJUVENATOR

BID # 2022-25

Date Published: OCTOBER 23, 2021

Bidding Period Closing Date and Hour: NOVEMBER 15, 2021 @ 9:30 A.M. Sealed Bid Opening Date and Hour: NOVEMBER 15, 2021 @ 9:30 A.M.

Location: "The Gloria Hesser Commissioners Meeting Room" Room 200, Payne County Administration

Building.

Address: 315 W. 6th, Ste. 202, Stillwater, OK. 74074 Requesting Authority: PAYNE COUNTY DISTRICT 1

DISTRICT 1 COMMISSIONER, ZACH CAVETT

PHONE: 918-225-1330

Bid submissions are to be addressed to:

ATTN: Payne County Purchasing Agent Payne County Clerk's Office 315 W. 6th, Suite 202 Stillwater, OK 74074

Please review the attached Terms and Conditions pertaining to the submission of this bid.

Please pay particular attention to item (1) of the Terms and Conditions. This item specifies how the bid envelopes are to be identified to prevent inadvertent or premature opening of sealed bids. Your compliance will ensure consideration of your bid by the awarding body. Late bids will not be considered.

The Non-Collusions Affidavit bearing original signature must be notarized and returned with the bid submission.

This packet contains:

- 1. Invitation to Bid
- 2. Terms and Conditions for Bidding
- 3. Affidavit for Filing with Competitive Bid
- 4. Specifications/Bid forms for desired item(s) (may be more than one page of information).

Glenna Craig, Payne County Clerk

State of Oklahoma 315 W. 6th, Suite 202 Stillwater, OK 74074



Office of GLENNA CRAIG

Payne County Clerk

TERMS AND CONDITIONS THESE ITEMS APPLY TO AND BECOME A PART OF THE BID NO EXCEPTIONS TO THESE TERMS AND CONDITIONS WILL BE CONSIDERED

- 1. Bids must be submitted on the included form only. Each bid shall be placed in a separate envelope. Be sure the envelope is completely and properly identified and sealed, showing the bid name and number in the lower left-hand corner.
- 2. All bids shall be entered on the Bid Form enclosed or a copy thereof. Bids are to be typewritten or in ink. No bidder may withdraw his proposal for a period of thirty (30) days after the date and hour set for the opening of hids
- 3. The bidder shall attach the manufacturer's name of the equipment or material to be furnished, type model numbers descriptive bulletins and specifications. All guarantees and warranties should be clearly stated. This data shall be sufficient detail to describe accurately the equipment or material to be furnished. Manufacturer's specifications, in respect to the successful bidder, shall be considered as part of the contract with Payne County.
- Any exceptions or deviations from written specifications shall be identified in writing and attached to the bid form.
- The enclosed affidavit for Filing with Competitive Bid MUST be returned with the bid.
- Payne County reserves the right to reject any and all bids and to waive any technicalities in the bidding.
- 7. Direct purchase of certain items of equipment or material by Payne County is exempt from Federal Excise Tax and Oklahoma Sales Tax. In such cases, the bidder shall quote prices which do not include Federal Excise Tax and Oklahoma Sales Tax.
- 8. Bid must show number of days required for delivery under normal conditions. Contractor must keep the County advised at all times of the status of the order. For any exception to the delivery date as specified on this order, vendor shall give prior notification and obtain written approval from the Purchasing Agent. Default in promised delivery date or failure to meet specifications, authorizes the County to purchase supplies elsewhere and charge the full increase of cost and handling to defaulting contractor.
- 9. Bidder agrees to defend and save Payne County from and against all demands, claims costs expense, damage and judgments based upon infringement of any patent to goods specified in this order or the ordinary use or operation of such goods by the County or use or operation of such goods in accordance with the bidder's direction.
- 10. If the bid requires a written contract, the successful bidders shall execute a written contract with the county within (10) days after submission of the contracts to said bidder.
- 11. This bid is submitted as a legal offer, and any bid when accepted by the County constitutes a firm contract.
- 12. If the bid is \$50,000.00 or greater, Bidder must furnish a bid bond or cashier's check in the amount of 5% of the bid with bid submission.
- 13. If the bid is \$50,000.00 or greater, successful Bidder must be able to bond. (Performance, Maintenance and Payment Bonds)
- 14. Successful bidder will be required to furnish their own Workmen's Comp and General Liability Insurance as required by Oklahoma State Law and by Payne County.



Office of GLENNA CRAIG

Payne County Clerk

S.A.&I. 425/1-4040 (2000)

AFFIDAVIT FOR FILING WITH COMPETITIVE BID

STATE OF OKLAHOMA)
)ss
COUNTY OF)
, of lawful age, being first duly sworn, on oath says, that (s)he is the agent authorized by the bidder to submit the attached 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 county 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 county official concerning exchange of money or other thing of value for special consideration in the letting of a contract.
Firm:
Signed by:(manual signature of undersigned) Title:
Address:
City:State:
Zip:Tax ID:
Telephone (Fax (
Subscribed and sworn to before me this day of, 20 Notary Public (or Clerk or Judge)
My commission expires:
Note:
Each competitive bid submitted to a county, school district or municipality must be
accompanied with the above Affidavit as required by 61 Okl.St.Ann. § 138

Standard Specifications for

Emulsified Maltene-Based

Asphalt Rejuvenator

Emulsified Maltene-Based Asphalt Rejuvenator:

- A. **General Scope:** This work shall consist of furnishing all labor, material, and equipment necessary to perform all operations for the application of an Emulsified Maltene-Based Asphalt Rejuvenating Agent to bituminous asphaltic concrete surface courses. The rejuvenation of surface courses shall be by spray application of a Cationic Maltene-Based Rejuvenating Agent, composed of petroleum oils and resins emulsified with water. The base used for the emulsion shall be a naphthenic non hydro-treated base stock. The emulsion base shall be paraffin free and not involve a paraffin extraction method throughout the manufacture or refining process. All work shall be in accordance with the specifications, any applicable drawings, and subject to the terms and conditions of this contract.
- B. **Pre-Construction:** The CONTRACTOR shall present samples of materials, laboratory reports, calibration reports, and proof of work experience as required by these specifications to the Resident Engineer at the pre-construction meeting.
- C. **Material Specifications:** The emulsion will be a naphthenic petroleum maltene-based rejuvenating agent composed of four petroleum maltene components (listed below) uniformly emulsified with water. Each bidder must submit with his bid a certified statement from the asphalt rejuvenator manufacturer showing that the asphalt rejuvenating emulsion conforms to the required physical and chemical requirements.

	Test Method	Requirements	Max.
Property	ASTM	Min.	
Viscosity @ 25°C, SFS	D244	15 40	
Residue, w%	D244(Mod) ³	60 65	
Miscibility Test	D244(Mod.) ²	Pass	
Sieve Test, w%	D244(Mod.) ¹	-	0.1
Particle Charge Test	D244	Positive	
Tests on Distillation Residue:			
Flash Point, COC, C	D92	196	-
Viscosity@ 60C, C	D2170	100	200
Asphaltenes, %w	D2006-70	-	1
Maltene Dist. Ratio			
(Polar Compounds) + (First Acidaffins)	D2006-70	0.3	0.6
(Saturates) + (Second Acidaffins)			
Polar Compounds/Saturates Ratio	D2006-70	0.5	-
Asphaltenes, w%	D2006-70		1
Saturated Hydrocarbons, w%	D2006-70	21	28

¹Test procedure identical with ASTM D-244 except that distilled water shall be used in place of two (2) percent sodium oleate solution.

D. **Material Performance:** The rejuvenating agent shall have record of at least five years of satisfactory service as asphalt rejuvenating agent and in-depth sealer. Satisfactory service shall be based on the capability of the material to penetrate, replace lost maltene fractions, decrease the viscosity and increase the penetration value of the in-place asphalt binder as follows; The viscosity shall be reduced by a minimum of forty-five (45) percent, the penetration value shall be increased by a minimum of twenty-five (25) percent. For pavements receiving the first or original application of rejuvenating agent, a minimum average of 35% percent change as determined by the dynamic shear rheometer (DSR) method for asphalt testing in accord with AASHTO T315-05 shall be obtained. For retreated pavements after an initial treatment with the asphalt rejuvenator, a minimum average change of 20% shall be obtained by the dynamic shear rheometer (DSR) method for testing in accord with AASHTO T315-05. In addition, the phase angle shall be increased. Testing shall be performed by an

²Test procedure identical with ASTM D-244 except that .02 Normal Calcium Chloride solution shall be used in place of distilled water.

³ASTM D-244 Modified Evaporation Test for percent of residue is made by heating 50 gram sample to 149 C (300 F) until foam ceases, then cool immediately and calculate results.

independent testing laboratory on extracted asphalt cement from pavement to a depth of three-eighths inch (3/8"). In addition, the pavement shall be in-depth sealed to prevent the intrusion of air and water.

The bidder must submit with their bid:

- 1. Asphalt Rejuvenator product name and descriptive literature. Literature shall be descriptive and detailed information shall show it meets the material specifications.
- 2. A current Material Safety Data Sheet (MSDS) for the material.
- 3. The manufacturer's certification that the material proposed for use is in compliance with these specification requirements.
- 4. Previous use documentation and test data conclusively demonstrating that the rejuvenating agent has been used successfully for a period of 5 years by government agencies such as Cities, Counties, or DOT's in the state and region for which it is being applied.
- 5. Testing data from a minimum of five projects showing that the asphalt rejuvenating agent has been proven to perform, as heretofore required, through field testing by an independent testing laboratory as to the required change in the asphalt binder viscosity and penetration number.
- 6. Minimum of 5 physical test spots throughout state showing the products physical performance. Treatment shall be a minimum of 5 years in age showing significant surface mending, healing, and preservation qualities as compared to the adjacent control section constructed from the same asphalt mat.
- 7. Testing data showing the product reduces viscosity and modulus of the asphalt binder through lowering the viscosity of the continuous solvent (maltene) phase.
- E. **Product Standards**: The product <u>"Reclamite"®</u> produced by Tricor Refining, LLC is the standard for the naphthenic emulsified petroleum maltene-based asphalt rejuvenating agent requirements and the prices quoted on the Bid Sheet Base Bid shall be for one of these standards. Bidders may offer an ALTERNATE for the standard specification. ALTERNATE products are subject to a 5-year testing pilot free of charge to the agency. Testing of the product must be completed before ALTERNATE can be considered.
- **F. Applicator Experience:** The asphalt-rejuvenating agent shall be applied by an experienced applicator of such material. The bidder shall have a minimum of five years experience in applying the product proposed for use and be able to provide references and core data to support a 5-year history of successful application.
- **G.** Application Temperature/Weather Limitations: The temperature of the asphalt rejuvenating emulsion, at the time of application shall be as recommended by the manufacturer. The asphalt-rejuvenating agent shall be applied only when the existing surface to be treated is thoroughly dry and when it is not threatening to rain. The asphalt-rejuvenating agent shall not be applied when the ambient temperature is below 40 F.
- H. Handling of Asphalt Rejuvenating Agent: Contents in tank cars or storage tanks shall be circulated at least forty-five minutes before withdrawing any material for application. When loading the distributor, the asphalt rejuvenating agent concentrate shall be loaded first and then the required amount of water shall be added. The water shall be added into the distributor with enough force to cause agitation and thorough mixing of the two materials. To prevent foaming, the discharge end of the water hose or pipe shall be kept below the surface of the material in the distributor that shall be used as a spreader. The distributor truck will be cleaned of all of its asphalt materials and washed out to the extent that no discoloration of the emulsion may be perceptible. Cleanliness of the spreading equipment shall be subject to the approval and satisfaction of the Engineer.
- I. Resident Notification: The contractor shall distribute by hand, a typed notice to all residences and businesses on the street to be treated. The notice will be delivered no more than 24 hours prior to the treatment of the road. The notice will have a local phone number that residents may call to ask questions. The notice shall be of the door hanger type that secures to the door handle of each dwelling. Unsecured notices will not be allowed. The contractor shall also place the notice on the windshield of any parked cars on the street. Hand distribution of this notice will be considered incidental to the contract.
- J. Applicating Equipment: The distributor for spreading the emulsion shall be self-propelled and shall have pneumatic tires. The distributor shall be designed and equipped to distribute the asphalt rejuvenating agent uniformly on variable widths of surface at readily determined and controlled rates from 0.05 to 0.5 gallons per square yard of surface, and with an allowable variation from any specified rate not to exceed 5 percent of the specified rate.

Distributor equipment shall include full circulation spray bars, pump tachometer, volume measuring device and a hand hose attachment suitable for application of the emulsion manually to cover areas inaccessible to the distributor. The distributor shall be equipped to circulate and agitate the emulsion within the tank.

A check of distributor equipment as well as application rate accuracy and uniformity of distribution shall be made when directed by the Engineer.

The truck used for sanding shall be equipped with a twin spinner spreader that allows the sand to be uniformly distributed onto the pavement. The spreader shall be able to apply 1/2 pound to 3 pounds of sand per square yard in a single pass. The spreader shall have in cab controls to allow for adjustment of the spreader while in operation as to prevent broadcast sand onto cars, pedestrians, driveways, or lawns.

The sand to be used shall be free flowing, without any leaves, dirt, stones, etc. Any wet sand shall be rejected from the job site.

Any equipment that is not maintained in full working order, or is proven inadequate to obtain the results prescribed, shall be repaired or replaced at the direction of the Engineer.

K. Application of Rejuvenating Agent: The asphalt-rejuvenating agent shall be applied by a distributor truck at the temperature recommended by the manufacturer and at the pressure required for the proper distribution. The emulsion shall be so applied that uniform distribution is obtained at all points of the areas to be treated. Distribution shall be commenced with a running start to insure full rate of spread over the entire area to be treated. Areas inadvertently missed shall receive additional treatment as may be required by hand sprayer application.

Application of asphalt rejuvenating agent shall be on one-half width of the pavement at a time. When the second half of the surface is treated, the distributor nozzle nearest the center of the road shall overlap the previous application by at least one-half the width of the nozzle spray. In any event the centerline construction joint of the pavement shall be treated in both application passes of the distributor truck.

Before spreading, the asphalt rejuvenating agent shall be blended with water at the rate of two (2) part rejuvenating agent to one (1) part water, by volume or as specified by the manufacturer. The combined mixture of asphalt rejuvenating agent and water shall be spread at the rate of 0.05 to 0.10 gallons per square yard, or as approved by the Engineer following field testing.

Where more than one application is to be made, succeeding applications shall be made as soon as penetration of the preceding application has been completed and the Engineer grants approval for additional applications.

Grades or super elevations of surfaces that may cause excessive runoff, in the opinion of the Engineer, shall have the required amounts applied in two or more applications as directed.

After the street has been treated, the area within one foot of the curb line on both sides of the road shall receive an additional treatment of the asphalt rejuvenating emulsion. Said treatment shall be uniformly applied by a method acceptable to the Engineer.

After the rejuvenating emulsion has penetrated, a coating of dry sand shall be applied to the surface in sufficient amount to protect the traveling public as required by the Engineer.

The Contractor shall furnish a quality inspection report showing the source, manufacturer, and the date shipped, for each load of asphalt rejuvenating agent. When directed by the Engineer, the Contractor shall take representative samples of material for testing.

L. Street Sweeping: The Contractor shall be responsible for sweeping and cleaning of the streets prior to, and after treatment.

Prior to treatment, the street will be cleaned of all standing water, dirt, leaves, foreign materials, etc. This work shall be accomplished by hand brooming, power blowing or other approved methods. If in the opinion of the Engineer the hand cleaning is not sufficient than a self-propelled street sweeper shall be used.

All sand used during the treatment must be removed no later than 48 hours after treatment of the street. This shall be accomplished by a combination of hand and mechanical sweeping. All turnouts, cul-de-sacs, etc. must be cleaned of any material to the satisfaction of the Engineer. Street sweeping will be included in the price bid per square yard for asphalt rejuvenating agent.

If, after sand is swept and in the opinion of the Engineer a hazardous condition exists on the roadway, the contractor must apply additional sand and sweep same no later than 24 hours following reapplication. No additional compensation will be allowed for

reapplication and removal of sand.

M. Traffic Control: The Contractor shall schedule his operations and carry out the work in a manner to cause the least disturbance and/or interference with the normal flow of traffic over the areas to be treated. Treated portions of the pavement surfaces shall be kept closed and free from traffic until penetration, in the opinion of the Engineer, has become complete and the area is suitable for traffic.

When, in the opinion of the Engineer, traffic must be maintained at all times on a particular street, then the Contractor shall apply asphalt rejuvenating agent to one lane at a time. Traffic shall be maintained in the untreated lane until the traffic may be switched to the completed lane.

The Contractor shall be responsible for all traffic control and signing required to permit safe travel. The contractor shall notify the police and fire departments as to the streets that are to be treated each day.

If, in the opinion of the Engineer, proper signing is not being used, the Contractor shall stop all operations until safe signing and barricading is achieved.

- N. Method of Measurement: Asphalt rejuvenating agent will be measured by the square yard as provided for in the Contract Documents.
- O. Basis for Payment: The accepted quantities, measured as provided for above, will be paid for at the contract unit price for asphalt rejuvenating agent.

Asphalt rejuvenating agent shall be paid for PER SQUARE YARD, which shall be full compensation for furnishing all materials; equipment, labor, and incidentals to complete the work as specified and required.

What Reclamite rejuvenating agent is, and how it works.

Reclamite rejuvenating agent is formulated from petroleum maltenes to prolong the life of asphalt pavements. It provides a simple, one-step method for restoring and preserving plasticity and durability in asphalt, and it is remarkably effective for extending the life of newly constructed pavement and for corrective maintenance on deteriorated pavements.

To understand how Reclamite works, one should know the chemical composition of asphalt. Asphalt consists of five basic components: asphaltenes (A), polar compounds (PC), first acidaffins, (A1), second acidaffins (A2) and saturated hydrocarbons (S). The latter four components, PC, A1, A2 and S are referred to as the maltene fractions.

Asphaltenes are soluble only in the presence of polar compounds. The first and second acidaffins act as mediums to disperse the dissolved asphaltenes, and the saturated hydrocarbons develop the setting characteristics of the entire solution.

The most reactive of the asphalt fractions are the polar compounds and first acidaffins; they are also more susceptible to aging than the second acidaffins and saturated hydrocarbons.

How it works. For all its outstanding qualities as a paving material, asphalt is no more impervious to the effects of time, weathering and tough service

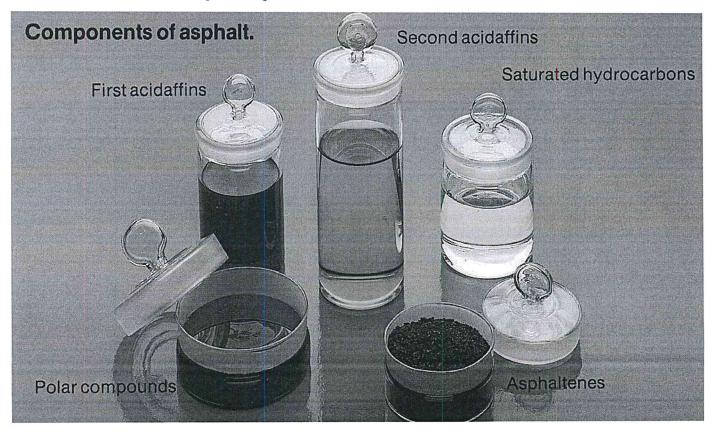
than any other construction material. With the passage of time, the need for maintenance becomes signaled by dryness, brittleness and other visible signs of deterioration, such as loss of matrix, raveling, cracking and spalling.

Reclamite is outstanding for its ability to delay the aging process from the outset and to reverse any premature aging that might be caused by construction variables such as excess heat at the hot plant, excess voids caused by low temperatures during compaction, critical mix design and other inconsistencies. All of these factors leave the finished surface vulnerable to air and water intrusion, chief causes of premature aging.

By replenishing the proper blend and amount of maltene fractions, the aged asphalt can be restored to a new and highly durable asphalt cement, virtually equal to or better than the original consistency.

This can be achieved simply by spraying Reclamite directly on the asphalt surface. It readily penetrates the pavement and combines with the asphaltenes to restore the proper balance of the five fractions.

And it can all be done in place, without disturbing the adhesion, cohesion or stability of the existing roadway.



BID SHEET

and conditions of the attached		ial, labor, etc. according to the terms cations at the following unit prices, to			
	BASE B	IID			
SQUARE SEALING WITH ASPHALT REJU	YARDS, M IVENATING	MORE OR LESS, CONSTRUCTION GAGENT FURNISHED AND APPLIED.			
Product Name	\$	PER SQ. YD.			
SPECIAL TERMS OR PROVISIONS:					
BIDDER:					
BUSINESS ADDRESS:					
PHONE NUMBER:					
AUTHORIZED AGENT OF CON	TRACTOR	.i			
AUTHORIZED AGENT OF AGE	NCY:				

ANY QUESTIONS REGARDING THE ROADS TO BE DONE, PLEASE CONTACT DISTRICT 1 COMMISSIONER, ZACH CAVETT 918-225-1330