

From: Traci Dillard
Sent: Thursday, July 15, 2021 10:04 AM
To: Kristeen Rush
Subject: FW: Infrared Pavement Restoration- 12 Months Supply

Importance: High

There were no bids on this project.

Thanks

Traci Dillard
Purchasing/Accounts Payable Manager
City of Tupelo
PO Box 1485
Tupelo, MS 38801
w: 662-841-6456
c: 662-401-6597

From: Plan House- Bid Support < bids@planhouseprinting.com >
Sent: Wednesday, July 14, 2021 2:20 PM
To: Traci Dillard < Traci.Dillard@tupeloms.gov >
Subject: Infrared Pavement Restoration- 12 Months Supply
Importance: High

Traci,

We are contacting you regarding the bid opening on July 15th @ 10:00 AM. We have you set-up as the administrator to open the electronic bids for this project.

(IF THIS PROJECT WILL NOT BE ALLOWING ELECTRONIC BIDDING, LET US KNOW ASAP)

Please be advised that we have upgraded the Electronic Bidding portion of our website to provide a more secure form of bidding. With these upgrades, there are a few changes that you may notice.

- 1.) There is now a countdown clock showing the remaining time until the project bids.
- 2.) In order to view the bids, you are now required to **download the bid submissions prior to opening and printing the bids.**
- 3.) By clicking on the Printer Icon next to the download button, this will pull up a "Cover Sheet" for the bid submission with the bidder contact information and the Certificate of Responsibility.
- 4.) All approved users listed under your company should be able to view the electronic bids. If anyone else will be opening the electronic bids or needs access to the electronic bids, let us know and we can add them as an administrator.

If you are not the one who will be opening the e-bids, please let us know ASAP and we will change it as needed.

The new update will show a "Preview Bids" tab that will show the contact of any bids submitted, but will not allow you to view the actual bid. Once the bid time has passed, the tab will change to "View Bids" which will allow you to download and open the bids.

To ensure that you will be able to view electronic bids, log-in to your bid management site and verify that you can see the "Preview Bids" tab (example below) prior to the bid opening. If you are unable to see this tab, please contact us immediately.

Details

Plans

Specs

Addenda

Plan Holders

Submit Bid

Activity

Preview Bids

<https://www.tupelomsbids.com/jobs/9967/details/infrared-pavement-restoration-12-months-supply>

If you have any questions, or need help with the bid opening, please do not hesitate to contact us.

IF YOU PLAN TO OPEN YOUR E-BID USING A *MOBILE DEVICE/TABLET*, PLEASE GIVE US A CALL AT THE NUMBER LISTED BELOW BEFORE YOUR BID OPENING

Stephen Tutor

Plan House Support

662-407-0193

bids@planhouseprinting.com

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. City Of Tupelo Technology Services ***

ADVERTISEMENT FOR BIDS

NOTICE is hereby given that the City of Tupelo, Mississippi Public Works Department will receive bids for:

**INFRARED PAVEMENT RESTORATION
for Repairing Damaged Asphalt or Surface Failures for a twelve-month period of time
Bid # 2021-021PW**

until 10:00 A.M. local time on Tuesday, July 15, 2021.

Bids can be submitted via sealed bid at the Purchasing Office, City Hall 1st Floor, 71 East Troy Street, Tupelo, Mississippi, 38804 or electronically at www.tupelomsbids.com. Bid Documents and Specifications can be viewed and obtained online at www.tupelomsbids.com.

The bid will be for a 12-month period of time. Work shall consist of furnishing materials and performing permanent repair on an area of damaged asphalt pavement. The location within the City of Tupelo to be restored shall be identified prior to the commencement of repair activities.

Any questions regarding electronic bidding should be directed to PH Bidding Group at 662-407-0193.

Award will be made to the lowest and best bidder. The Mayor and City Council reserve the right to reject any and all bids and to waive any and all informalities.

**BY ORDER OF THE MAYOR AND CITY COUNCIL OF THE CITY OF TUPELO,
MISSISSIPPI.**

CITY OF TUPELO, MISSISSIPPI

**BY: s/b Traci Dillard
TRACI DILLARD, City Purchasing Clerk**

Publish Dates: June 17, 2021 and June 22, 2021 in the NE Mississippi Daily Journal.

BID FORM

This Bid is submitted for: **Infrared Pavement Restoration- 12 Month Supply**

This bid is submitted to: **City of Tupelo, 71 East Troy Street, Tupelo, MS 38804**
(Owner)

The undersigned, in compliance with the request for bids for the above referenced project hereby proposes to furnish all labor, permits, material, machinery, tools, supplies and equipment to faithfully perform all work required for construction of Concrete Curb and Gutter- 12 Month Supply for the City of Tupelo in accordance with the specifications provided for the following UNIT PRICE amount:

UNIT PRICE BID- INFRARED PAVEMENT RESTORATION

Item Description	Qty.	Unit	Unit Price	Extension
Infrared Pavement Restoration	100	SY		

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

BIDDER INFORMATION

Company Name: _____

Company Representative: _____

Title: _____

Business Address: _____
Street

City State Zip

Phone Email

Certificate of Responsibility #: _____

Signature of Bidder: _____

Date: _____

INFRARED PAVEMENT RESTORATION- 12 MOS SUPPLY
Bid # 2021-1420PW

SPECIFICATIONS

The City of Tupelo is advertising and accepting bids for Infrared Pavement Restoration for repairing damaged asphalt or surface failures for a twelve-month period of time. Sealed bids will be received until **10:00 a.m. on July 15, 2021** at Tupelo City Hall, 71 East Troy Street, Tupelo, MS 38804. Bids can also be submitted electronically at www.tupelomsbids.com until 10:00 a.m. on July 15, 2021. Any questions about electronic bidding or purchasing bid documents should be directed to PH Bidding Group at 662-407-0193.

Description

The work shall consist of furnishing materials (see Materials) and performing permanent repair on an area of damaged asphalt pavement. The location to be restored shall be identified prior to the commencement of repair activities.

Materials

A one-component emulsified maltenes recycling agent (rejuvenator) is to be applied to the restored area in a ratio of 1:1 with water. The solution shall be well dispersed with a commercial grade sprayer at a rate of 8 ounces per square yard of heated area. This application area shall include both the area under repair as well as the area heated but left undisturbed around the perimeter of the repair. The application shall take place after the area has been scarified and just prior to the addition of new asphalt. The rejuvenator replaces the light oil component of asphalt, which has oxidized over time.

The infrared repair contractor shall provide MDOT 212115 OR D mix temperature (275-325 degrees Fahrenheit) to be added to the repair to bring the area up to grade with the existing road.

Equipment

General- the infrared restoration equipment shall consist of a truck mounted self-contained asphalt restoration system that meets the following specifications.

Infrared Heater- the heating chamber shall consist of (14) 75,000 BTU High Intensity Infrared Heater with Venturi Type gas mixing. The heat area shall be a minimum of 6 Ft to 12 Ft to provide a minimum 12 Ft lane width repair area per heat. The chamber shall consume no more than 15,000 BTU per square foot of heated area. This rate of consumption shall translate into the ability of the heater to soften asphalt to a depth of 1 ½ - 2 ½ inches in 8 – 10 minutes without burning the surface. The infrared heat chamber shall be fueled by liquid propane using a High Capacity CGA approved vaporizer (40 USG @ -40 degrees F) to convert the liquid propane to vapor and provide full pressure to the heaters until the propane cylinders are empty. The truck unit shall contain at least 4 cylinders of propane to provide enough fuel to operate the heater chamber and reclaimer for two days. The heat system shall utilize an Intelligent Control Station with HMI and PLC Functions to monitor heat timing for quality control of infrared system.

The HDE Infrared Heat System Model P750 is an approved unit for this project it, or a comparable unit meeting the above requirements should be used.

Asphalt Storage Unit- a thermostatically controlled storage unit will be utilized to insure that sufficient hot virgin asphalt is on hand. The reclaimer/storage unit shall contain two 37,000 BTU atmospheric

infrared heaters. Thermostats shall work in conjunction with timers to insure proper temperature is maintained without harming the asphalt. Electronic ignition shall be standard. An automatic switchover regulator shall be used to reduce the tank pressure to 11" water column.

Compactor/Roller- the compaction equipment used shall be vibratory capable of generating at least 2000 lbs. of applied force/square inch.

Steel Rake- a steel rake shall be used to delineate the repair area along the chalk line and to scarify the heated area of the patch inside the chalk line to a depth of at least 2 inches.

Asphalt Lute- a 36" wide lute shall be used to evenly distribute the added asphalt and to establish the proper grade.

Methods of Construction

General- Before the infrared restoration is begun, the proper authorities, in conjunction with the contractor will mark out the areas to be restored.

Safety- Proper safety precautions shall be taken including traffic cones, signage, and flagmen (if necessary) to insure a safe workplace for workers, pedestrians, and automobile traffic. All Traffic Control shall be in accordance with current MUTCD standards. The City of Tupelo will assist with traffic control as needed.

Defining and Preparing the Work Area:

1. The area shall be swept clean of dirt, loose aggregate or standing water.
2. A chalk line shall be drawn 6-12 inches back from the damage.

Heating the Repair Area:

3. The infrared chamber is lowered over the repair being sure to allow at least 12 – 18 inches of heated area beyond the perimeter of the original opening.
4. To ensure the proper heating time, the contractor shall check the surface temperature of the asphalt at seven minutes and every minute thereafter using an infrared thermometer so as not to allow the surface temperature to exceed 350 degrees.
5. After the appropriate heating time (typically 8– 10 minutes), the asphalt surface will be softened to a depth of 2 – 2 1/2 inches.
6. The infrared chamber is then removed from the heated area.

Raking the Heated Area:

7. The backside of a street rake is used to neatly square off the repair, cutting 6-12 inches back from the damage along the chalk line.
8. The area inside the repair is then deeply scarified, taking special care to eliminate the original seam between the repair and the road.
9. The maltenes rejuvenator shall be applied if needed, to the repair and the surrounding heated asphalt surface.

Adding Plant Mix Asphalt:

10. MDOT 212115 or D mix (1/2" aggregate or smaller) is then added to the area to bring it up to proper grade.

11. The repair is luted smooth.

Compaction:

12. The area is properly compacted being sure to roll the edges first to fuse the hot repair to the heated but untouched surrounding pavement.
13. A light coat of stone dust can then be spread over the repair to remove the tackiness. The road can then be opened to traffic.

Note: The total time for a typical single heat restoration should be no more than 20-30 minutes. The timeframe shall be strictly adhered to so as to insure that both the heated pavement and added asphalt have not been allowed to cool significantly. This guarantees the proper fusion between the repair and the existing road surface.

Standard Warranty

The infrared restoration installed under this specification shall be guaranteed by the contractor against failure resulting from defective materials or methods of application for a period of one year from date of installation.

The contractor shall guarantee to repair, without cost to the customer that part of the original restoration installed under this contract that, in the opinion of the property owner, has not remained in useful service. The repair installed under this warranty shall be guaranteed the same as the original material from the date of the original restoration. This warranty shall not include depressions or areas of settlement caused by lack of proper compaction of the base or sub-base material.

General Bidder Requirements

1. All bids must be submitted on the bid form. The bid form is the signed form with the date, bid number and the vendor address on it.
2. The bidder shall sign and date the bid at the bottom of the form.
3. If the bid is delivered to City Hall, the outside of the envelope shall be clearly marked with vendor, invitation number, Certificate of Responsibility Number and time and date to be opened. If the bid is submitted electronically through Central Bidding, the Certificate of Responsibility shall be included with the bid documents.
4. The City of Tupelo reserves the right to reject any and all bids, to waive any informality in the bid, or award the bid to whomever they may choose.

General Specifications

1. The successful bidder must provide a Certificate of Insurance of \$300,000 minimum per vehicle with submitted bid.
2. The successful bidder must provide a Certificate of Insurance of \$1,000,000 minimum general liability with submitted bid.
3. The successful bidder must have current Privilege License with the City of Tupelo or Lee County if local vendor and show proof with submitted bid.
4. The successful bidder must show evidence of Worker's Compensation insurance submitted with the bid.
5. The City of Tupelo will not accept responsibility for wrecker fees (towing), mechanical breakdowns, or damage to vendor owned equipment which delivers or performs at work sites. City equipment will not be used in conjunction with vendor equipment in any way.