

CITY OF JASPER, ALABAMA
P. O. Box 1589
400 19th Street West
Jasper, Alabama 35502

Date: September 13, 2022

Bids to be opened at 11:00 A.M.
Date: October 3, 2022

To Whom It May Concern:

Sealed bids will be received by the City of Jasper, Alabama, at Purchasing Agent's office in Jasper, Alabama, until the above time and date, and then opened as soon thereafter as practicable.

Jessica Cook, Accountant/Purchasing Agent
City of Jasper, Alabama

Specifications: **INFARED THERMAL POTHOLE PATCHING**

SEE ATTACHED SHEETS

If you are unable to furnish an item as specified and desire to offer a substitute, give full description of the item. No errors will be corrected after bids are opened. No prices shall include State or Federal Excise Taxes. Tax exemption certificates furnished upon request. City reserves the right to accept or reject all bids or any portion thereof.

TO BE COMPLETED BY BIDDER

We are in position to furnish the above at the prices shown and can make shipment within _____ calendar days after receipt of order. Any attachment hereto is made and becomes a part of this inquiry and must be signed by the Bidder.

I hereby affirm I have not been in any agreement or collusion among bidders or prospective bidders in restraint of freedom of competition, by agreement to bid at a fixed price or to refrain from bidding, or otherwise.

Name of Firm

By _____
Name

Title _____

(Bids made out in pencil will not be accepted.)

ALL BIDDERS MUST USE OUR BID FORM AND SHOW ON ENVELOPE THE OPENING DATE.

CITY OF JASPER

INFARED THERMAL POTHOLE PATCHING

SCOPE:

The City of Jasper is seeking to establish a contract to provide infrared thermal pothole patching. Please bid infrared thermal pothole patching per square foot per pavement repair. The contract period shall be for a six-month period from the date of contract award with an option to renew. The City of Jasper, Alabama will receive bids for the Infrared Thermal Pothole Patching until 11:00 AM, local time, on **October 3, 2022** at the City Hall of The City of Jasper, 400 19th Street W, Jasper, Alabama 35501 at which time and place all bids will be publicly open and read aloud

All bids can be held for a period of sixty days after bid opening before awarding the contract. Bids will be evaluated by area and/or total and may be awarded by area, group or total whichever is in the best interest of the City. The City reserves the right to use other vendors in the event contract vendor cannot provide product or service in time needed. The Public Works Director or his appointed representatives will establish and supervise the service cycles, schedules and performance levels. The work consists of furnishing all labor, materials, equipment, tools, service and supervision necessary to properly maintain the areas covered by this requirement.

Successful Contractor shall maintain in force at its own expense all insurance required by any applicable federal, state or local statutes, laws, rules or regulations. Vendor shall obtain any and all federal, state and local permits and licenses required to execute the contract as described Contractor further agrees to abide by all applicable federal, state and local codes, regulations statutes, ordinances and laws including but not limited to Equal Employment, Anti-Discrimination, Immigration, Wage and Salary, Drug Free Workplace and Disability. The Contractor must maintain all necessary licenses, permits and insurance for the entire of this contract.

EACH BIDDER MUST SUPPLY WITH THE BID A CERTIFICATE SIGNIFYING THE CONTRACTOR HAS THE FOLLOWING COVERAGE:

- I. Workmen's Compensation – Mandatory
(A) Employer's Liability - \$ 100,000

- II. Comprehensive General Liability
(A) Limits of Liability
 - (1) Bodily Injury: \$ 1,000,000 each occurrence \$ 1,000,000 aggregate
 - (2) Property Damage: \$100,000 each occurrence \$ 100,000 aggregate

- (B) Policy shall include the following types of coverage:
 - (1) Premises & Operations
 - (2) Independent Contractors
 - (3) Products & Completed Operations
 - (4) Broad Form Extended liability Endorsement
 - (5) Contractual Liability (This insurance shall cover all contractual agreements, both oral and written, including, but not limited to, the hold harmless and indemnification agreements of Contractor set forth in this Contract in favor of Contractor)

- III. Automobile Liability- Comprehensive Form
(A) Limits of Liability
Combined Single Limit - \$500,000

- (B) Uninsured Motorist
Combined Single Limit - \$ 25,000

- IV. Umbrella
Limits of Liability - \$ 1,000,000
Self-Insured Retention - \$ 10,000

The relationship of the Vendor and its employees to the City is that of independent contractors and not of employees of the City. Vendor and its employees shall not be entitled to any benefits that accrue to an employee of the City and shall not be covered by Workers' Compensation, leave, retirement, and group health insurance.

The City reserves the right to terminate this agreement with seven (7) calendar days written notice for:

1. Failure to perform in a manner deemed acceptable to the City,
2. Convenience, without cause and without prejudice to any right or remedy, whenever the City determines that such termination is in the best interest of the City.

Upon delivery of such notice by the City to the successful Bidder, the successful Bidder shall discontinue all services in connection with the performance of this agreement and shall proceed to cancel promptly all existing orders and contracts insofar as such order or contracts are chargeable to this agreement. Contractor will be considered in default of contract if/when they have not delivered the before mentioned responsibilities for a period of one scheduled date.

As soon as practicable after receipt of notice of termination, the Bidder shall submit a statement to the City for payment of that portion of the agreement successfully performed.

The successful Bidder's rights and duties awarded by the agreement may not be assigned to another without the written consent of the City signed by the City Purchasing Agent. Such consent shall not relieve the assignor of the liability in the event of default by the assignee.

The City reserves the right to waive minor variances from the specifications, provided these differences do not violate the specification intent, materially affects the operation for which the item or items are being purchased, nor increase the estimated maintenance and repair cost to the City.

Bid will be awarded to the lowest responsive and responsible bidder. The determination of lowest responsive and responsible bidder may involve all or some of the following factors: price, conformity to specifications, financial ability to meet the contract, previous performance, facilities and equipment, availability of repair parts, experience, delivery promise, compatibility as required, other costs, or other objective and accountable factors which are reasonable.

All requests for interpretation of any portion of bid may be made to the City Purchasing Agent by either telephone (205) 221-2100 or email PurchasingAgent@jaspercitey.com. All replies of any inquiry and advise, if deemed vital by Purchasing Agent, will be made available to each prospective bidder.

All bids/proposals shall be submitted in the form and manner indicated by the bid documents and bid forms. Any bid /proposal which is not submitted in form and manner indicated which contains information, statements, conditions, or qualifications which place conditions or qualifications on the proposal submittal for the purposes of making an award, or which alter any proposal terms, conditions specifications, or forms, which has not been previously by written addendum from Purchasing Agent, or which does not meet legal requirements, shall be declared as a qualified, conditional, or non-responsive and shall be rejected. Any proposals that do not fully respond to all detailed specifications or requests for information including execution of proposal forms may be declared "non-responsive" and recommended for rejection.

Any disputes over the interpretation and and/or performance of conditions or responsibilities shall be resolved at sole discretion of City Purchasing Agent.

CONTACT INFORMATION

Any questions please contact:

Jessica Cook, Accountant/Purchasing Agent
E-mail: PurchasingAgent@jaspercitey.com
Phone: (205) 385-7968

TECHNICAL SPECIFICATIONS

The work proposed to be performed is, in general, as follows:

Description:

The work shall consist of furnishing materials (see Materials) and performing a permanent repair and pavement striping on an area of damaged asphalt pavement. The location to be restored shall be identified prior to the commencement of repair activities: therefore before infrared pavement restorations are begun The City of Jasper in conjunction with the contractor will identify and mark the area(s) to be repaired.

Materials:

If needed a one-component emulsified maltenes recycling agent (rejuvenator) is to be applied to the restored area in a ratio of 1:1 with water. This solution shall be well dispersed with a commercial grade sprayer at a rate of eight (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 Contractor shall be responsible for payment of required ALDOT 424-plant mix. Coordination will be made between the contractor and the Street Department Superintendant four (4) working prior to the repair. The Contractor will order the plant mix and it will be the responsibility of the contractor to pickup and deliver the plant mix to the job site.

Construction Requirements:

The infrared restoration equipment shall consist of a truck mounted self-contained asphalt restoration system that meets or exceeds the following specifications:

(a) **Equipment:**

Infrared Heater- The heating chamber shall consist of (14) 75,000 BTU High Intensity Infrared Heaters with Benturi Type gas mixing. The heat area shall be a minimum of 6FT x 12FT to provide a minimum 12FT 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 in to 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 (40USG @ - 40 degrees Fahrenheit) to convert the liquid propane to vapor and provide full pressure to the heaters until the propane cylinders are empty. Truck unit shall contain at least 4 cylinders of propane to provide enough fuel to operate heater chamber and reclaimer for 2 days. Heat system shall utilize an Intelligent Control Station with HMI and PLC Functions to monitor heat timing for quality control of infrared system.

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 times 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 2000lbs. of applied force/square inch.

(b) **Traffic Control:**

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 approved in advance by the City of Jasper. All Traffic Control shall be in accordance with current MUTCD standards.

(c) **Patch, Spreading and Shaping:**

The area shall be swept clean of dirt, loose aggregate or standing water. A chalk line shall be drawn 6-12 inches back from the damage. The infrared chamber shall be lowered over the repair allowing at least 12-18 inches of heated area beyond the perimeter of the original opening. 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 Fahrenheit. The heating time is influenced by the ambient temperature, the color of the pavement, the size of the aggregate, and the moisture content. The asphalt surface shall be softened to a depth of 2-2.5 inches. The repair area shall be neatly squared off cutting 6-12 inches back from the damage along the chalk line. The area inside the repair shall be deeply sacrificed, taking special care to eliminate the original seam between the repair and the road. A maltheness rejuvenator shall be applied if needed, to the repair and surrounding heated asphalt surface. ALDOT 424 plant mix shall be added to the area to bring it up to proper grade. The repair shall be luted smooth and properly compacted being sure to roll the edges first to fuse the hot repair to the heated but untouched surrounding pavement. A light coating of stone dust may be applied over the repair to remove the tackiness. Density shall be to the satisfaction of the engineer. Pavement striping will be included in some instances.

Surface and Edge Requirements:

The total time for a typical single heat restoration should be no more than 20-30 minutes. This timeframe shall be strictly adhered to 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.

(a) General

Surface smoothness and roadway section will be checked by the use of a string, Engineer's level, and straight edge. The contractor shall furnish string, straightedges, and necessary personnel to handle them under the supervision of the engineer. Surface smoothness test shall be made immediately after rolling so that irregularities may be eliminated to the extent possible by rolling while the material is still workable; otherwise, deficiencies shall be corrected as provided in ALDOT specification, Article 410.06.

- **Perpendicular To Centerline of Roadway:**

The finished surface of all base, binder, and wearing surface layers shall not vary more than ¼ of an inch from a 10 foot straightedge placed perpendicular (at a right angle) to the centerline of the roadway anywhere on the surface.

- **Parallel To Centerline of Roadway:**

The surface shall not vary more than ¼ of an inch from a 16 foot straightedge placed parallel to the centerline anywhere on the surface.

Edge Requirements:

Edges that are distorted by rolling shall be corrected promptly.

Method of Measurement:

The amount of infrared pavement repair to be paid for under this section shall be the number of feet of surface completed and accepted, measured in place and calculated to the nearest square foot.

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 City that part of the original restoration installed under this contract that, in the opinion of the City, has not remained in useful service.

This warranty shall not include depressions or areas of settlement caused by lack of proper compaction of the base or sub-base material.

Note: Any areas repaired deeper than 2 ½ inches will be addressed by the City of Jasper, or a proportional price adjustment made.

BID SHEET

Infrared Thermal Pothole Patching \$ _____ per square foot/pavement repair

Bidder/Company Name: _____

Authorized Representative: _____

Signed: _____

Title: _____

Address: _____

City, State, & Zip: _____

Date: _____

Telephone: _____

Cell Phone: _____

Fax Number: _____

E-Mail Address: _____