

**BID SUBMITTAL FORM**  
**Alabama County Joint Bidding Program**  
**BID ITEM – TRAILER MOUNTED PATCHER**  
**WITH AIR COMPRESSOR TOOL CAPABILITY**

Company Name: Warren Power Attachments (DBA) Total Patcher

Address: 4614 East 1000 North Pittsboro, IN 46167

Bid Submitted by: Aaron Warren  
(Name of company representative)

Title: Owner e-mail address: aaron@totalpatcher.com

Phone: 317-892-4737 Fax: 317-892-5196

By submitting this bid, we agree:

Initials

The equipment model number identified below meets the bid specs for this bid item

AW

That the bid price will be honored for all counties for the period from Jan. 1, 2024 to Dec. 31, 2024.

AW

The equipment will be delivered at the bid price to all counties participating in the joint bid program

AW

The company representative listed above will be the contact person for purchasing this bid item under the joint bid program

AW

The bid is accompanied by a current catalog or model specification document for the model number identified below

AWA

The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications

AW

The bid includes the e-verify documentation required by Alabama law

AW

If awarded the bid, a performance bond will be provided upon request

AW

The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine**

AW

## TRAILER MOUNTED PATCHER WITH AIR COMPRESSOR TOOL CAPABILITY

Total Bid Price for Standard Machine: \$ 95,758.00

(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) \*

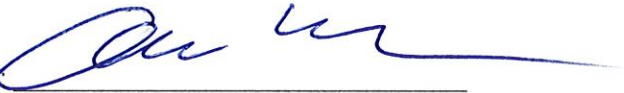
Freight Preparation and Delivery: \$ 800  
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 126,611.00

Equipment Model #: Vortex

Description: Trailer mounted Vortex pothole patcher

Signature of company representative submitting bid



Title: Owner

\* **NOTE:** Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

**BID SUBMITTAL FORM: OPTION COST SHEET  
TRAILER MOUNTED PATCHER WITH AIR  
COMPRESSOR TOOL CAPABILITY**

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine\*

AW (25)

The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) with **any available Options** for the Standard Machine

AW

Equipment Model #: Vortex

Description: Trailer mounted Vortex pothole patcher

Signature of company representative submitting bid: 

Title: Owner

**\*Note:** The percent difference between the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

# **BID SPECIFICATIONS FOR BID ITEM – TRAILER MOUNTED PATCHER WITH AIR COMPRESSOR TOOL CAPABILITY**

## **GENERAL**

These specifications shall be construed as the minimum acceptable standards for a **Trailer-mounted patcher with an air compressor for tool operation**. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine for bid offered shall include all standard manufacturers' equipment. The patcher must be a new current production model and shall meet all EPA applicable standards at the time of manufacture.

The use of specific names and numbers in the specification is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

## **BID SUBMITTAL FORM**

Each bidder must submit his or her bid on the Bid Submittal Form included in the Invitation to Bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

## **BID PRICE**

The bid price shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

## **MANUALS**

Each unit will be provided with one (1) copy of the operator's manuals, one (1) copy of the current parts manuals and (1) copy of the repair manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

## **WARRANTY**

Units purchased under this specification shall be warranted against defects in materials and workmanship for a period of not less than two (2) years or 2000 hours, whichever occurs first from date of delivery to customer. Items thought to be defective will be returned to factory prepaid to be repaired or replaced.

Yes ☒ No ☐

Page #

or

Attachment ☒

## **MINIMUM REQUIREMENTS**

The trailer-mounted machine shall be designed and constructed to repair larger cracks, potholes, and broad areas. The machine shall be capable of blowing water, dust or debris from the pothole or surface to be repaired. The machine must be capable of patching at temperatures as low as 5 degrees F. The machine must be capable of performing each of the following functions:

-- clean cracks and surfaces



- spray liquid asphalt emulsion over area to provide a tack coat
- apply emulsion-coated aggregate to provide a high-density cover repaired area with dry aggregate
- Support Air Driven Optional Post Driver, Air Hammer, Air Lance

Yes ☒ No ☐  
Page # 1&2

**Basic Machine Requirements:**

Spray Injection design with aggregate supplied from tow vehicle by an air Conveyor system.

Yes ☒ No ☐  
Page #           

Trailer mounted and rated for highway class use.

Yes ☒ No ☐  
Page # 3

Diesel powered engine powered with engine enclosure.

Yes ☒ No ☐  
Page #           

Electric blanket heated emulsion tank.

Yes ☒ No ☐  
Page # 3

Emulsion working capacity of 250 gallons.

Yes ☒ No ☐  
Page # 3

Overnight electric heating for maintaining emulsion temp.

Yes ☒ No ☐  
Page # 3

Stop/ turn sealed lighting including clearance lights.

Yes ☒ No ☐  
Page # 3

**Emulsion Heating and Storage System Minimum Requirements:**

Tank construction must be an ASME certified pressure vessel.

Yes ☒ No ☐  
Page # 3

Tank with 250 gallon capacity, tested to 195 psi at ambient temperature.

Yes ☒ No ☐  
Page # 3

Minimum R15 rated fiberglass insulation.

Yes ☒ No ☐  
Page # 3

Waterproof fire retardant fiberglass tank wrap over insulation.

Yes ☒ No ☐  
Page # 3

**Compressor:**

Ultra-high performance screw type compressor producing 60 cfm @ 100 psi @ 1800 RPM (maximum 150psi). Shall include a 25-foot hose reel to run air tools.

Yes ☒ No ☐  
Page# 3

In operation emulsion shall be heated by a circulating oil loop running continuously along emulsion path from tank to nozzle. Circulating oil shall be heated by the auxiliary engine coolant via a plate type heat exchanger.

Yes ☒ No ☐  
Page# 3

Overnight heating shall be done with electric heat blankets wrapped under the tank (1500W minimum each). A thermostat and overnight heating extension cord will be included. Heating probes will not be considered for alternate as they do not allow tank pre heating and 100% use of emulsion tank volume.

Yes ☒ No ☐  
Page# 3

**Patcher Frame Minimum Requirements:**

The patching unit will be trailer mounted and capable of being towed at safe highway speeds when fully loaded. The frame shall include rectangle tube frame construction, braking system and highway approved lighting.

Yes ☒ No ☐  
Page# 3

The frame is to be constructed of 6"x2"x1/4" rectangular steel tube for safety and strength.

Yes ☒ No ☐  
Page# 3

A 3" towing ring that is adjustable in height from 15" to 30" high will be provided.

Yes ☒ No ☐  
Page# 3

Minimum 12 gauge horizontal surface steel fenders.

Yes ☒ No ☐  
Page# 3

A swing-away, side handle, weight appropriate adjustable screw jack must be provided.

Yes ☒ No ☐  
Page# 3

To insure towing mobility in both forward and reverse directions, the trailer shall have a dual torsion axle system and be rated at a GAWR (Gross Axle Weight Rating) of 12,000 lbs.

Yes ☒ No ☐  
Page# 3

Electric brakes, emergency breakaway switch, radial tires, and two 3/8" x 3 foot long safety chains with slip hooks will be included.

Yes ☒ No ☐  
Page# 3

A directional arrow board will be mounted at the back of the machine and be selectable for left/right or both traffic control.

Yes ☒ No ☐  
Page# 2

The lighting harness will be woven loom with weather proof connectors at all lights. A 7 way RV Blade type plug for tow vehicle connection.

Yes ☒ No ☐  
Page # 3

**Aggregate Delivery System Minimum Requirements:**

The pothole patching machine shall receive aggregate from the integrated hopper. It must have the ability to pass aggregate up to 2-1/2" in size without clogging or manual adjustment. No machine will be considered without demonstrating this capability. The aggregate feed system must be capable of reliably delivering 1/4" – 1/2" aggregate.

Yes ☒ No ☐  
Page # 3

Hopper for aggregate is trailer mounted with integral screen above opening for slide gate.

Yes ☒ No ☐  
Page # 3

Venturi designed to draw aggregate into air stream.

Yes ☒ No ☐  
Page # 3

Aggregate delivery pipe with minimum 3.5" ID pipe 10' in length. Designed to be easily rotated for maximum air life.

Yes ☒ No ☐  
Page # 3

Aggregate delivery hose will be a minimum 3.5" ID non-kinking, wire reinforced neoprene-lined rubber hose with an overall length of 192".

Yes ☒ No ☐  
Page # 3

Fatigue-free aggregate hose boom shall be a three section device that allows the operator to move throughout its full radius using only very light force from one hand, and shall be adjustable for height.

Yes ☒ No ☐  
Page # 3

The boom design must keep the boom and the operator well out of the adjoining lane and the operator must be capable of placing the nozzle tip on the center stripe of a multi-lane roadway without any portion of the boom, or the operator, intruding over the center stripe.

Yes ☒ No ☐  
Page # 1

A 12 volt pump shall circulate heat transfer oil through a pipe inside the emulsion tank and min. 3/8" diameter lines the full length of the hose to the emulsion nozzle, then back. All parts including: emulsion valves, hose, and nozzle will be heated by this hot fluid heating system.

Yes ☒ No ☐  
Page # 3

The nozzle shall be designed so it diffuses/ slows down the air stream at the tip to minimize overspray. The emulsion nozzle will be slotted to create a single fan of emulsion to properly coat the aggregate. The nozzle will be low voltage DC heated to prevent material build up during cold weather operation.

Yes ☒ No ☐  
Page # 3



**Engine Fuel and Cleanout System Minimum Requirements:**

The unit will be equipped diesel engine with spin-on type oil and fuel filters. It will be joined to the frame with rubber engine mounts to prevent vibration transfer. A management system will be located on the engine enclosure for ease of operation and maintenance.

Yes ☒ No ☐  
Page # 3

The engine will be protected with an engine enclosure that is certified by the manufacturer. It will be lockable for security and provide noise reduction for operator Safety.

Yes ☒ No ☐  
Page #           

Auto Shutdown protection will be provided for alternator, oil pressure coolant temperature. An hour meter and RPM gauge will be included.

Yes ☒ No ☐  
Page #           

The engine will be rated at no more than 74HP and be able to operate the delivery system to fill a patch with 1/4" stone @ 1600 RPM and 1 1/2 " stone at no more than 2100 RPM.

Yes ☒ No ☐  
Page #           

Engine Cover will enclose engine, battery.

Yes ☒ No ☐  
Page #           

Engine controller must be accessible without having to open engine cover and contain the Hour Meter, RPM Gauge and shutdown for Oil, Water and Battery.

Yes ☒ No ☐  
Page #           

The unit will include a min. 18 gallon Diesel fuel tank.

Yes ☒ No ☐  
Page # 3

A minimum 15-gallon pressurized vessel will be included for flushing of emulsion lines and nozzle after use. It shall be equipped with a pressure relief valve set at 110 PSI.

Yes ☒ No ☐  
Page # 3

A clean out box will be mounted to the frame of the machine. At end of shift, operator will place wand in box to flush emulsion lines and nozzle. No disassembly and soaking of any part of the emulsion system will be necessary. The entire nozzle clean out procedure may not get emulsion or diesel on the operator. No system using a pump will be accepted.

Yes ☒ No ☐  
Page #



**Blower and Air Compressor Minimum Requirements:**

The unit will incorporate a direct driven High Volume Low Pressure Lobe type blower to operate the delivery system. No conveyor or auger type systems will be allowed due to higher wear parts and maintenance associated with those designs. An air compressor driven off the engine will also be required to pressurize the emulsion system. No pumps for emulsion delivery will be accepted.

Yes x No         
Page # 3

Blower will be rated at min. 450 CFM @ 7psi @ 1500 RPM

Yes x No         
Page # 3

Lobe style blower direct driven off patcher engine.

Yes x No         
Page # 3

Pop off valve set to 10 psi for protection of dual lobe blower.

Yes x No         
Page # 3

Dual Stage heavy duty filter element on Blower intake.

Yes x No         
Page # 3

Silencer to reduce airflow noise from blower system is required.

Yes x No         
Page #       

Compressor to be 13 CFM minimum. Pressure relief set to 95psi

Yes     x No         
Page #       

No conveyors, augers or pumps will be used in the aggregate or emulsion delivery systems.

Yes x No         
Page # 3

**Paint and Safety Decals Minimum Requirements:**

The unit shall be painted safety orange or green paint. It will be equipped with required safety decals and signage.

Yes x No         
Page #

# TOTAL PATCHER LIMITED WARRANTY

Effective February 2, 2020

## 1. Limited Warranties:

For two ( 2 ) years or 2000 hours of operation measured from the date of delivery to the first retail purchaser or lessee WARREN POWER ATTACHMENTS warrants that the goods purchased are free from defects in material or workmanship on following items:

- A. John Deere Diesel Engine
- B. Blower
- C. Air feed system EXCLUDING the feed pipe of 11' 8" discharge metal Pipe and 16' 4" rubber discharge hose and nozzle.
- D. Air Ram
- E. Suspension excluding tires and brakes.

For one ( 1 ) year measured from the date of delivery to the first retail purchaser or lessee WARREN POWER ATTACHMENTS warrants that the goods purchased are free from defects in material or workmanship on following items:

- A. Blower drive coupling
- B. Heat blankets and thermostat
- C. Heat exchanger circulating pump
- D. Boom Arm
- E. Air solenoid valve
- F. Heat Exchanger

- 2. This warranty does not apply to any part of the goods which has been subject to improper or abnormal use, negligence, alteration, accident, or damage due to lack of maintenance.
- 3. WARREN POWER ATTACHMENTS will replace or repair for the purchaser any part found upon examination the factory, to be defective under normal use and service due to defects in material or workmanship.
- 4. Except as provided herein, no employer, agent, dealer or other person is authorized to give any warranties of any nature on behalf of WARREN POWER ATTACHMENTS.

Warranties are subject to change without notice.

# **TOTAL PATCHER**

**Warren Power Attachments**

**4614 EAST 1000 NORTH**

**PITTSBORO, IN 46146**

**PHONE: 317-892-4737 FAX: 317-892-5196**

## **TOTAL PATCHER**

### **POT HOLE**

### **PATCHER**

### **PRICE LIST**

**Total Patcher Model T7500 Trailer Mount .....\$116,602.00**

**Total Patcher Vortex Trailer Mount.....\$126,611.00**

### **Options**

**Crack Sealing Attachment with 25' hose & recoil reel.....\$2,293.85**

**Emulsion Quantity Gauge System.....\$1121.90**

**15 Gal. Water Spray System.....\$2105.00**

**Steps .....\$90.23**

**Tool Box.....\$173.20**

**No local, state or Federal taxes are reflected in the above prices.**

**Prices and Specifications are subject to change without notice.**

**F.O.B. Factory**

**Effective September, 2023**





Company ID Number: 2299050

Approved by:

<b>Employer</b> Warren Power Attachments	
<b>Name (Please Type or Print)</b> Aaron Warren	<b>Title</b>
<b>Signature</b> Electronically Signed	<b>Date</b> 10/17/2023
<b>Department of Homeland Security – Verification Division</b>	
<b>Name (Please Type or Print)</b> USCIS Verification Division	<b>Title</b>
<b>Signature</b> Electronically Signed	<b>Date</b> 10/17/2023



Company ID Number: 2299050

### Information Required for the E-Verify Program

#### Information relating to your Company:

Company Name	Warren Power Attachments
Company Facility Address	4614 east 1000 north pittsboro, IN 46167
Company Alternate Address	
County or Parish	HENDRICKS
Employer Identification Number	300105211
North American Industry Classification Systems Code	333
Parent Company	
Number of Employees	5 to 9
Number of Sites Verified for	1 site(s)



Company ID Number: 2299050



Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

IN	1
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**Company ID Number:** 2299050

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name	Aaron Warren
Phone Number	3178924737
Fax	
Email	aaron@totalpatcher.com



Company ID Number: 2299050



This list represents the first 20 Program Administrators listed for this company.