

BID SUBMITTAL FORM
Alabama County Joint Bidding Program
BID ITEM – TRAILER MOUNTED PATCHER
GAS-OPTION

Company Name: Coblenz Equipment & Parts Co., Inc.

Address: 10400 Highway 80E
Montgomery, AL 36117

Bid Submitted by: Matthew Coblenz
 (Name of company representative)

Title: VP e-mail address: matthew@coblenzep.com

Phone: 334-215-8600 Fax: 334-215-8532

By submitting this bid, we agree:

Initials

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

DMC

That the bid price will be honored for all counties for the period from Jan. 1, 2019 to Dec. 31, 2019.

DMC

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

DMC

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

DMC

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

DMC

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

DMC

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

DMC

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

DMC

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

DMC

**TRAILER MOUNTED PATCHER GAS-
OPTION**

Total Bid Price for Standard Machine: \$ 65,447.⁰⁰
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) *

Freight Preparation and Delivery: \$ 995.⁰⁰
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 83,700.⁰⁰

Equipment Model #: P2-GAS OPTION

Description: TRAILER MOUNTED Pothole Patcher - GAS ENGINE
** INCLUDES 12 VOLT NOZZLE HEATER

Signature of company representative submitting bid: M. S. Coble

Title: VP

* **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 GAS-OPTION

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*

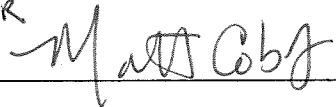
10%

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

YES

Equipment Model #: P-2 GAS OPTION

Description: TRAILER MOUNTED POTABLE PATCHER - GAS ENGINE OPTION
** INCLUDES 12 VOLT NOZZLE HEATER

Signature of company representative submitting bid: 

Title: VP

***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
– GASOPTION**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a Trailer-mounted patcher. 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 one-man pothole 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

Yes No
 Page# INCLUDED

Basic Machine Requirements:

Spray Injection design with aggregate supplied from tow vehicle by gravity feed tube.

Yes No
 Page# INCLUDED

Trailer mounted and rated for highway class use.

Yes No
 Page# INCLUDED

Gasoline engine powered with engine enclosure.

Yes No
 Page# INCLUDED

Electric blanket heated emulsion tank.

Yes No
 Page# INCLUDED

Emulsion working capacity of 250 gallons.

Yes No
 Page# INCLUDED

Overnight electric heating for maintaining emulsion temp.

Yes No
 Page# INCLUDED

Stop/ turn sealed lighting including clearance lights.

Yes No
 Page# INCLUDED

Emulsion Heating and Storage System Minimum Requirements:

Tank construction must be an ASME certified pressure vessel.

Yes No
 Page# INCLUDED

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

Yes No
 Page# INCLUDED

Minimum R15 rated fiberglass insulation.

Yes No
 Page# INCLUDED

Waterproof fire retardant fiberglass tank wrap over insulation.

Yes No
 Page# INCLUDED

12" minimum loading hatch equipped with "T" bolt closures.

Yes No
Page# INCLUDED

Minimum 3" drain valve installed on bottom of tank.

Yes No
Page# INCLUDED

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# INCLUDED

Overnight heating shall be done with two 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# INCLUDED

Heating system must be capable of operating continuously whether tank is empty or full without damage to the heating system and controls.

Yes No
Page# INCLUDED

Must have thermostatic control switch.

Yes No
Page# INCLUDED

Empty tank must be capable of being pre-heated prior to filling without damage to tank heating system or shock to emulsion.

Yes No
Page# INCLUDED

System must be capable of maintaining heat so as to allow operation of patcher in ambient temperatures as low as 5 degrees F.

Yes No
Page# INCLUDED

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# INCLUDED

The frame is to be constructed of minimum 1/4" gusseted steel tube for safety and strength.

Yes No
Page# INCLUDED

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

Yes No
Page# INCLUDED

Minimum 12 gauge horizontal surface steel fenders.

Yes No
Page# INC.

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

Yes No
Page# INC.

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

Yes No
Page# INC.

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# INC.

Dual oval stop, tail, and turn lights will be included. Clearance lighting will also be included. A lighted license plate bracket will be attached to the rear frame.

Yes No
Page# INC.

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# INC.

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# INC.

Aggregate Delivery System Minimum Requirements:

The pothole patching machine shall receive aggregate from the integrated hopper. No augers, conveyors, or any other mechanical devices shall be allowed. 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" - 3/8" aggregate within an engine RPM range of 1200 - 1800.

Yes No
Page# INC.

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

Yes No
Page# INC.

Venturi designed to draw aggregate into air stream.

Yes No
Page# INC.

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

Yes No
Page# INC.

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# INC.

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# INC.

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# INC.

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# INC.

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# INC.

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# INC.

Gasoline engine is a 2.5L four cylinder outputting 84 HP and 137 ft. lbs. of torque at 3200 RPM. Engine will be electronically controlled and will feature a digital display for engine hours, RPM, voltage, oil pressure, and coolant temperature. Engine speed will be controlled by a toggle switch located on the operator's handle or a rocker switch located on the engine control panel. Engine will belt drive an 8.5 CFM air compressor mounted to engine skid and enclosed with a removable door.

Yes No
Page# INC.

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# INC.

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

Yes No
Page# INC.

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# INC

Engine Cover will enclose engine, battery.

Yes No

Page# INC.

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# INC.

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

Yes No

Page# INC.

A minimum 13 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# INC.

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# INC.

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 No

Page# INC.

Blower will be rated at min. 460 CFM @ 12psi @ 2350 RPM

Yes No

Page# INC.

Lobe style blower direct driven off patcher engine.

Yes No

Page# INC.

Pop off valve set to 12 psi for protection of dual lobe blower.

Yes No

Page# INC.

Dual Stage heavy duty filter element on Blower intake.

Yes No

Page# INC.

Silencer to reduce airflow noise from blower system is required.

Yes No
Page# INC.

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

Yes No
Page# INC.

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

Yes No
Page# INC.

Paint and Safety Decals Minimum Requirements:

The unit shall be painted safety orange with Sherwin Williams acrylic paint. It will be equipped with required safety decals and signage.

Yes No
Page# INC.