BID SPECIFICATIONS
FOR
ONE MAN POTHOLE PATCHER - OPTION A
ROSCO RA-300 POTHOLE PATCHER
$177,998.00 (INCLUDING OPTIONS)

GENERAL

These specifications shall be construed as the minimum acceptable standards for a one man operated asphalt patching device. 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 offered shall include all standard manufacturer's equipment. The one man pothole patcher must be a new current production model and must meet all current EPA standards.

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 and one (1) copy of the current parts manuals. 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 one year from date of delivery to customer. Items thought to be defective will be returned to factory prepaid to be repaired or replaced.

MINIMUM REQUIREMENTS

The truck-mounted machine shall be designed and contracted to repair larger cracks, potholes, and broad areas and completely controlled by one person from the driver's position of the truck cab with no support equipment necessary. The machine must be capable of patching which moving forward or reverse, must be capable of patching at temperatures as low as 0 degrees F, and must be able to

perform all patching functions with transmission engaged and in motion. (The use of an auxiliary engine is not permitted.) Yes ___ No ___
Page #_____

The machine must be capable of performing each of the following functions:

-- clean cracks and surfaces Yes ___ No ___
Page #_____

-- spray liquid asphalt emulsion over area to provide a tack coat Yes ___ No ___
Page #_____

-- apply emulsion-coated aggregate to provide a high-density patch Yes ___ No ___
Page #_____

-- cover repaired area with dry aggregate Yes ___ No ___
Page #_____

HYDRAULICS

The unit shall be equipped with dual hydraulic pump with minimum of 10 GPM per section. A hot-shift PTO system shall power the hydraulics. All hoses shall meet SAE specification 100-R1 2500-PSI working pressure, 10,000 burst pressure minimum. Unit shall have a minimum of 20 gallon hydraulic reservoir with provisions for drain and clean out and include a minimum 10 micron filtration system. A second source such as an auxiliary engine will not be accepted. Yes ___ No ___
Page #_____

HOT SHIFT PTO

The machine shall be equipped with a hot shift PTO which shall be powered by the truck's automatic transmission. The hydraulics must have a variable control for the blower, controlled from the cab of the truck. The variable control for the blower shall be equipped with a high-speed override switch to provide maximum airflow with the push of a switch. The hot shift PTO must allow the unit to continue patching when the truck is moving forward or reverse. The hot shift PTO must engage at 900 RPMs and disengage at 1200 RPMs automatically for travel. Yes ___ No ___
Page #_____

AIR SYSTEM

Shall be 4" X 4" high volume, low-pressure positive displacement blower. Should be hydraulically driven by truck PTO and capable of 850 CFM. Inlet air to blower must be filtered through a highly efficient industrial air cleaner, and equipped with a suitable silencing package to reduce blower noise. Yes ___ No ___
Page #_____

AGGREGATE SYSTEM

The aggregate tank shall hold a minimum of 5 cubic yards of aggregate, the tank to be equipped with a cover to prevent aggregate from bouncing out when transporting and to seal the tank so it can be pressurized to equalize the pressure

development in the feed hose. The tank shall have the ability to feed aggregate to the air feed system with no conveyors, augers, or hydraulic dump mechanisms. The aggregate should be metered into the air stream without the use of mechanical air lock or wear pad type positive feed systems. This system should have no moving wear parts, and should be capable of delivering up to 22,000 lbs. of aggregate per hour to the aggregate placement nozzle. The system should be designed to work with local aggregates up to ¾" in size and should not be adversely affected by fines or dirty material. The aggregate flow should be remotely adjustable, allowing the gates to open and close without resetting the rate.

Yes ___ No ___
Page #_____

LIQUID ASPHALT EMULSION TANK

The unit shall be equipped with a 400 gallon insulated liquid asphalt emulsion tank. The tank is to be insulated with a minimum of 4 inches of insulation and completely covered by a weather tight skin. The tank shall be heated by two 4500 watt 240 volt thermostatically-controlled heater elements operating at 120 volts. An alternate heat source shall be provided to maintain heat on the work site, and shall be regulated automatically to prevent over or under heating of materials. The alternative heat system should also heat all asphalt lines to prevent clogging during operation. The tank should be equipped with a minimum fill opening of 12 inches. A 5 inch dial thermometer, and an emulsion level indicator, visible from the operator's cab shall be attached to the emulsion tank.

Yes ___ No ___
Page #_____

ASPHALT EMULSION FEED AND FLUSH SYSTEM

The asphalt system shall be air pressurized to deliver sufficient asphalt to completely cover aggregate at full feed capacity.

Yes ___ No ___
Page #_____

The delivery system should be capable of maintaining 60 PSI throughout the petroleum resistant delivery hoses.

Yes ___ No ___
Page #_____

The emulsion should be drawn off the bottom port of the tank to maintain good circulation over heat tube.

Yes ___ No ___
Page #_____

The tank should be equipped with each access 3-way valve with flush and delivery positions at ground level.

Yes ___ No ___
Page #_____

The flush system should have 30 gallon minimum capacity and should have provisions for storing used flushed materials.

Yes ___ No ___
Page #_____

OPERATOR CONTROLS AND FEATURES

All operator controls shall be at easy access from the driver's position.

Yes ___ No ___
Page #_____

The unit should be designed so all patching functions, cleaning of surfaces, tack coat, application of high-density patch and dust coating can easily be performed from the driver's positions.

Yes ___ No ___
Page #_____

Driver's emulsion control valve must have easy on/off controls from operator's joystick.

Yes ___ No ___
Page #_____

Joystick to control boom in/out, boom left/right, emulsion valve open/close, aggregate gate open/close.

Yes ___ No ___
Page #_____

The unit shall be equipped with a 30" X 60" arrow board with cab controls for lane control.

Yes ___ No ___
Page #_____

The unit shall be equipped with all standard clearance and warning lights.

Yes ___ No ___
Page #_____

JET FLUSH WATER SYSTEM

The unit shall have a 30 gallon tank to maintain moisture level of aggregate for improved emulsion penetration. This system should also be capable of flushing entire aggregate feed system for cleaning purposes.

Yes ___ No ___
Page #_____

FINISHING

The entire unit shall be primer painted and finished with a high grade of enamel paint to match truck chassis.

Yes ___ No ___
Page #_____

OPTIONS

Bid must include the cost for each of the following options, itemized separately on the bid:

Aggregate heating system

Yes ___ No ___
Page #_____

Aggregate vibration system

Yes ___ No ___
Page #_____

Auxiliary Engine: 4-Cycle diesel engine, for independent operation while moving at slow speeds

Yes ___ No ___
Page #_____

NOTE: Award will be made on the basis of the total cost of the machine with all options included. However, a county may, at its discretion, deduct one or more of the above-referenced options from the machine, and in such event, the cost of the options as stated on the bid shall be deducted from the total cost of the machine. There shall be no other deductions and no additions made to the machine by the purchasing county or by the vendor.

OPTION COST SHEET
ONE MAN POTHOLE PATCHER - OPTION A

Option	**Option Price**
Aggregate heating system	$5,000.00
Aggregate vibration system	$STANDARD
Auxiliary Engine as in bid specifications	$6,000.00

NOTE: Award will be made on the basis of the total cost of the machine with all options included. However, a county may, at its discretion, deduct one or more of the above-referenced options from the machine, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the machine. There shall be no other deductions and no additions made to the machine by the purchasing county or by the vendor.

COUNTY JOINT BID PROGRAM
PURCHASE PROCEDURES

Effective January 1, 2008

All purchases by counties pursuant to the County Joint Bid Program shall be made by (1) mailing or faxing the appropriate Purchase Order to the vendor who has been awarded the contract for the item to be ordered **and** (2) faxing a copy of the Purchase Order to the Association of County Commissions of Alabama (ACCA) office at 334-263-7678. Purchase Order Forms and all necessary information regarding the vendor and items available can be obtained at the ACCA website (www.acca-online.org).

Each purchase order shall be signed by the person authorized by the county to sign and shall include the County Joint Bid Program Item Number. A copy of the form submitted shall be retained by the county.

The county shall deal directly with the company representative for the vendor in making purchases under this program. The vendor shall complete all orders in compliance with its agreement under the program, and shall deal directly with each county in processing and completing their orders and in complying with service and warranty requirements. Road sign vendors should keep in mind that they are required to deliver all items to the location identified by the county ordering them within thirty (30) calendar days from the date of order, and the cost of any items not delivered within this time period will be reduced in price by 10%.

It is important to remember that under *Code of Alabama 1975*, *§ 41-16-50(b)*, all purchases made pursuant to this program shall be subject to the terms and conditions of Alabama's Competitive Bid Law. Therefore, counties are only authorized to purchase the specific items awarded under the program according to the bid specifications and must comply with these procedures in placing all orders.

There can be no deletions or additions to items purchased under this program, except as specifically provided for in the bid specifications. Optional equipment authorized under the bid specifications on certain heavy equipment orders may be deleted by the county at the time of purchase, and in that event, the cost of that item as provided by the vendor shall be deducted from the total cost of the item.

COUNTY JOINT BID PROGRAM
PURCHASE ORDER FOR ONE MAN POTHOLE PATCHER-OPTION A

This form must be mailed or faxed to the Vendor with
Copy faxed to the ACCA Office at 334-263-7678

Date of Order: _____ County Purchase Order No. _____

County: _____ County Contact Person: _____

County Address: _____
_____

County Phone Number: _____

County Fax Number: _____

E-mail Address: _____

Equipment Model or Item Name and Number: _____

Number of items ordered: _____ Price per item: _____

Vendor: Joe Money Machinery Co., Inc. Company Contact: James W. Money

Vendor address: P.O. Box 997
Birmingham, AL 35201

Deliver to the Attention of: _____

Delivery Address: _____
_____
_____

Requested delivery date: _____

Name of person making purchase request: _____

Title: _____

Authorized County Signature: _____

Initial confirming form sent to vendor: _____

Initial confirming form sent to ACCA: _____