

BID SUBMITTAL FORM
Alabama County Joint Bidding Program
BID ITEM – ONE MAN POTHOLE PATCHER -
OPTION A

Company Name: Tractor & Equipment Company
Address: P.O. Box 12326
Birmingham, AL 35212
Bid Submitted by: JOE PATTON
(Name of company representative)
Title: VP E-mail address: jpatton@TEC1943.com
Phone: 205-591-2131 Fax: 205-591-8321

By submitting this bid, we agree:

Initials

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

JP

That the bid price will be honored for all counties for the period from Jan. 1, 2021 to Dec. 31, 2021.

JP

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

JP

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

JP

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

JP

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

JP

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

JP

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

JP

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

JP

Total Bid Price for Standard Machine: \$ 219,275.⁰⁰
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) *

Freight Preparation and Delivery: \$ 4,500.⁰⁰
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 226,444.⁰⁰

Equipment Model #: ROSCO RA 400

Description: ONE MAN POTHOLE PATCHER - OPTION A

Signature of company representative submitting bid: 

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

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*

AC

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

AC

Equipment Model #: ZOSCO RA 400

Description: ONE MAN POT HOLE PATCHER - OPTION A

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 ONE MAN POTHOLE PATCHER - OPTION A

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 shall meet all EPA and other 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 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 two years 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 truck-mounted machine shall be designed and constructed 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 while 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 machine must be capable of performing each of the following functions:

-- clean cracks and surfaces

Yes ☒ No ☐
Page # 2

-- spray liquid asphalt emulsion over area to provide a tack coat

Yes ☒ No ☐
Page # 2

-- apply emulsion-coated aggregate to provide a high-density patch

Yes ☒ No ☐
Page # 2

-- cover repaired area with dry aggregate

Yes ☒ No ☐
Page # 2

DIMENSIONS:

Length: 28' minimum, with boom retracted and 38'5" boom extended.

Width: 8' 6"

Height: 10'

Weight: 18,000 lbs. with standard chassis

Yes ☒ No ☐
Page # 2

CHASSIS: CAB-OVER Peterbuilt or Equivalent

Minimum Requirements:

GVWR: 33,000 lbs.

Front Axle: 12,000 lbs.

Rear Axle: 21,000 lbs. Springs-23,000lbs.

Air Brakes: 20.8CFM @ 2,600 rpm

Engine: 240hp @ 2,400 diesel, with 18.7 CFM Air compressor

Wheelbase: 164"

Cab-to-axle: 153"

Overall Length: 38'5"ft.

Turning Radius: 25'

Yes ☒ No ☐
Page # 2

Tires: Front Single highway tread, Rear dual highway tread

Yes ☒ No ☐
Page # 2

Wheels: Steel Disc Type 10 hole 22.5 x 8.25 inch offset 6.5 inch

Yes ☒ No ☐
Page # 2

Transmission: Allison, 2500 RDS or Equivalent, 5 forward, 1 reverse

Yes ☒ No ☐
Page # 2

Misc. Items: Back up lights, Cigar Lighter, Clearance, Identification, Position Lights, Day time running lights, Map light, turn signal/hazard, 12 volt power outlet air, Coolant, Fuel, Temperature Gauge, Speed-o-meter & Trip meter, Tachometer, and back up alarm.

Yes ☒ No ☐
Page # 2

AUXILIARY ENGINE:

65hp @ 2600 rpm naturally aspirated 4 cylinder Kubota diesel, Tier 4 Final with in-cab auxiliary engine controls at operators station with tachometer, hour meter and warning system.

Yes ☒ No ☐
Page # 2

HYDRAULICS

The unit shall be equipped with dual hydraulic pump with minimum of 28 GPM for Blower function, 9 GPM for all other functions driven from Auxiliary Engine. Unit shall have a minimum of 20 gallon hydraulic reservoir.

Yes ☒ No ☐
Page # 2

AIR SYSTEM

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 # 2

AGGREGATE SYSTEM

The low profile aggregate hopper shall hold a minimum of 5 cubic yards of aggregate, the hopper shall be rectangular with a cold weather heat kit, in-cab controlled vibration system, dual electric over hydraulic activated hopper lids with rear access open/close switch. Cab controlled, adjustable, feed slide gate meters aggregate flow. System will accept aggregates up to Ø3/4" (19 mm).

Plus system stored settings; rock flow, emulsion flow and air flow vacuum-operated rock transfer emulsion coating system. System utilizes non-mechanical or moving parts to move aggregate, ease of access to clean and service the slide gate and subsystems. Conveyors and/or paddle feeders are not acceptable.

Yes ☒ No ☐
Page # 2

LIQUID ASPHALT EMULSION TANK

The unit shall be equipped with a 300 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 # 2

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 # 2

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

Yes ☒ No ☐
Page # 2

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

Yes ☒ No ☐
Page # 2

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

Yes ☒ No ☐
Page # 2

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

Yes ☒ No ☐
Page # 2

OPERATOR CONTROLS AND FEATURES

All operator controls shall be at easy access from the driver's position. DP 200 LCD display controlled from Plus 1 Can-Bus System in Cab monitors.

Yes ☒ No ☐
Page # 2

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 # 2

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

Yes ☒ No ☐
Page # 2

Joystick to control boom in/out, boom left/right, emulsion valve open/close, aggregate gate open/close. Boom auto stow and override.

Yes ☒ No ☐
Page # 2

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

Yes ☒ No ☐
Page # 2

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

Yes ☒ No ☐
Page # STD

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 # STD

FINISHING

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

Yes ☒ No ☐
Page # STD

Cab mounted display attached to a camera mounted on the rear of the unit so the operator can see behind the truck.

Yes ☒ No ☐
Page # STD

Information Required for the E-Verify Program	
Information relating to your Company:	
Company Name	Tractor & Equipment Co Inc
Company Facility Address	5336 Messer Airport Highway Birmingham, AL 35212
Company Alternate Address	PO Box 12326 Birmingham, AL 35202
County or Parish	Jefferson
Employer Identification Number	63-0211767
North American Industry Classification Systems Code	Merchant Wholesalers, Durable Goods (423)
Parent Company	
Number of Employees	500 to 999
Number of Sites Verified for	22



TWO YEAR LIMITED WARRANTY

ST Engineering LeeBoy, Inc.
500 Lincoln County Parkway Ext
Lincolnton, NC 28092
www.LeeBoy.com

A. LIMITED WARRANTY

If a manufacturing defect in factory supplied materials or factory workmanship is found and the authorized LeeBoy dealer ("Dealer") is notified during the warranty period, LeeBoy will be responsible for repairing or replacing any part or component of the unit or part that fails to conform to the warranty during the warranty period.

B. TERMS AND CONDITIONS

1. The warranty applies for a period of two years (for unlimited hours of usage on the unit during the two years), beginning on the date that the Dealer from which the unit is purchased submits the warranty registration form to LeeBoy (typically on the date of purchase).
2. The warranty is not transferable and applies only to the original purchaser of a new unit from a Dealer.
3. Warranty work must be performed at an authorized Dealer location.
4. LeeBoy has the right to repair any component or part before replacing it with a new one.
5. Replacement parts furnished by LeeBoy are covered for the remainder of the warranty period applicable to the unit or component in which such parts are installed.
6. All new replacement parts purchased from a Dealer will carry a six (6) month warranty.

C. WARRANTY EXCLUSIONS AND LIMITATIONS

1. LeeBoy has no obligation under this warranty for any defects or failures caused by:
 - a. misuse, misapplication, negligence, accident or failure to maintain or use in accordance with the most current operating instructions;
 - b. unauthorized alterations or modifications;
 - c. any replacement parts or attachments not manufactured by or expressly approved by LeeBoy;

- d. failure to conduct normal maintenance and operating service, including without limitation, providing lubricants, coolant, fuel, tune-ups, inspections or adjustments; or
 - e. unreasonable delay, as determined by LeeBoy, in making the applicable units or parts available upon notification of a service notice ordered by LeeBoy.
2. LeeBoy is not responsible for any of the following:
- a. defects or failures with respect to any engine or truck chassis;
 - b. defects or failures covered by a warranty provided by a third-party, including without limitation warranties with respect to engines or truck chassis;
 - c. costs related to travel time, mileage or overtime;
 - d. costs related to transporting the unit to and from the place at which warranty work is performed;
 - e. airfreight charges related to transporting repair parts to the place at which warranty work is performed;
 - f. used units or used parts of any kind;
 - g. repairs due to normal wear and tear, or brought about by abuse or lack of maintenance of the equipment, except for premature failures;
 - h. attachments not manufactured or installed by LeeBoy; or
 - i. miscellaneous charges.

D. EXCLUSION OF OTHER WARRANTIES/LIMITATION OF LIABILITY

OTHER THAN THE EXPRESS WARRANTY PROVIDED IN SECTION A. ABOVE, LEEBOY GIVES NO EXPRESS, STATUTORY, OR IMPLIED WARRANTY OR GUARANTEE AND HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SUITABILITY, DURABILITY, CONDITION, QUALITY, OR FREEDOM FROM CLAIMS OF ANY PERSON BY WAY OF INTERFERENCE, INFRINGEMENT, OR THE LIKE.

IN NO EVENT OR UNDER ANY THEORY OF RECOVERY, WHETHER AS A RESULT OF BREACH OF CONTRACT OR WARRANTY, ALLEGED NEGLIGENCE, OR LIABILITY WITHOUT FAULT, SHALL LEEBOY BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE SALE, USE, OR LOSS OF USE OF ANY PRODUCT, INCLUDING WITHOUT LIMITATION LOST PROFITS OR REVENUES, COST OF CAPITAL, COST OF SUBSTITUTED EQUIPMENT, FACILITIES OR SERVICES, DOWNTIME COSTS, LABOR COSTS, OR DIMINUTION OF VALUE.

RA-400 Patcher

Rosco
A LeeBoy Company



The ultimate output of the RA-400, which is capable of correcting over 200 road defects in a single day by a single individual, has been deployed by contractors looking to maximize productivity while finding a cost-effective patching solution. The driver operated joystick performs a four-step spray injection process typically in less than one minute per repair. Including one of the largest emulsion tanks available in the market, the RA-400 patching boom extends and retracts providing a wide patching range with minimal required maintenance.

Performance Features:

- Front-Corner Mounted Boom for Greater Working Range
- VORTEC System (Vacuum Operated Rock Transfer Emulsion Control)
- 10' 3" x 7' (3.12 x 2.13 m) Rectangular Aggregate Hopper
- 300 Gallon (1,135 l) Liquid Asphalt Emulsion Tank
- Can-Bus Plus 1 In-Cab Control System
- One Person Operation, Easy-to-Use Joystick Controls
- Industry Leading Hydraulic "Patch on the Go" System
- Tier 4 Final 65 HP (48.4 kw) Kubota Diesel Auxiliary Engine
- 30" x 60" (.762 x 1.52 m) Rear-Mounted Arrow Board
- Optional Hopper Aggregate Heater



RA-400 Patcher Specifications



Dimensions	<ul style="list-style-type: none"> - Length: 28' (8.5 m) boom retracted 38' 5" (11.7 m) boom fully extended - Width: 8' 6" (2.59 m) - Height: 10' (3 m) - Weight: 18,000 lbs (8,164 kg) w/ standard chassis
Chassis	<ul style="list-style-type: none"> - Cab-over Peterbilt 220 (or equivalent) - Engine: 240 hp (179 kw) diesel engine - Gross vehicle weight: 33,000 lbs (14,969 kg) - Single axle, rear
Auxiliary Engine	<ul style="list-style-type: none"> - Kubota diesel engine - Tier 4 Final - 65 hp (48.4 kw)
Hydraulics	<ul style="list-style-type: none"> - Dual hydraulic pump - 28 gallons per minute (105.9 lpm), blower function - 9 gallons per minute (34 lpm), all other functions - Tank reservoir: 20 gallons (75.7 l)
Tank Capacity	<ul style="list-style-type: none"> - 300 gallons (1,135 l)
Tank	<ul style="list-style-type: none"> - Overnight heating, two 2,250 watt, 120v thermostatically controlled heater elements - 5" (127 mm) diameter dial thermometer and emulsion level indicator, both visible from cab
Insulation	<ul style="list-style-type: none"> - Styrofoam-incased liquid asphalt emulsion tank
Boom	<ul style="list-style-type: none"> - Front-corner mounted boom, joystick controlled - Folds and stows across front bumper - Reach, extracted: 7' 5" (2.3 m) radius - Reach, extender: 11' 5" (3.5 m) - Patching area: 42 sq ft (12.8 sq m)
Compressed Air System	<ul style="list-style-type: none"> - High volume, low pressure, positive displacement blower driven by truck hydraulics motor - Capable of: 850 cfm @ 2,850 rpm

Aggregate System	<ul style="list-style-type: none"> - Low profile, 5 cu yard (3.82 cu m) hopper - Rectangular welded 10' 3" x 7' (3.12 x 2.13 m) aggregate hopper - Cab-controlled, adjustable slide gate in hopper - Accepts aggregates up to 3/4" (19 mm) - Plus+1 settings: rock flow, emulsion flow and air flow
VORTEC System	<ul style="list-style-type: none"> - Vacuum Operated Rock Transfer Emulsion Coating System (VORTEC) - Utilizes no mechanical or moving parts - Ease of access to clean/service slide gate
Feed and Flush System	<ul style="list-style-type: none"> - Air pressurized, deliver sufficient asphalt to cover aggregate at full feed capacity - Delivery system capable of maintaining 60 psi - 30 gallon (113.5 l) minimum capacity, provisions for storing used flush material - 3-way valve for flush, delivery and shut-off
Operator Controls	<ul style="list-style-type: none"> - One person operation from driver seat - All patching functions in-cab, including cleaning, tack coating, patching and dust coating - Single joystick control: boom swing, extend/retract and push button for up/down - Push button operates: blow out mode, emulsion on/off, blower on/off, blow inc/dec, rock flow inc/dec and emulsion inc/dec
Optional Equipment	<ul style="list-style-type: none"> - Back-up/reverse camera with in-cab color display - LED lights in the 30" x 60" (.76 x 1.5 m) arrow board, 13 light - Larger arrow board 48" x 96" (1.2 x 2.4 m) - LED night working light package, 2 front, 1 rear - LED lights, stop, turn signals and tail lights - 240V heater conversion in lieu of 120V - Emergency triangle kit, flare, fire extinguisher - Jet flush system - Hopper Aggregate Heater



ST Engineering LeeBoy, Inc. ■ 500 Lincoln County Parkway Extension ■ Lincolnton, NC 28092 ■ 704.966.3300
www.LeeBoy.com

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