INVITATION TO BID
HEAVY EQUIPMENT

NOTICE OF BID OPENING

NOTICE IS HEREBY GIVEN that the Association of County Commissions of Alabama, which administers the Alabama County Joint Bid Program on behalf of Alabama's county governing bodies, shall receive and open bids for the purchase of zero (0) or more items of heavy road equipment at its office located at 2 North Jackson Street, Montgomery, Alabama, at 10:00 a.m. on Monday, November 30, 2026. Bid specifications are available at http://www.alabamacounties.org/heavy-equipment/ for each of the following items:

Backhoes, Bulldozers, Dump Bodies, Dump Chassis, Excavators (Compact Excavators, Highway Speed Truck Excavators, Track Mount Excavators, Wheeled Excavators), Half Round End Dump, Lowboy Tractors, Lowboy Trailers, Motor Graders, Patchers (One-man Pothole Patchers, Trailer Mount Mastic Patcher/Crack Sealer, Trailer Mounted Patcher – Diesel, Trailer Mounted Patcher – Air Compressor/Tools), Rubber Tire Roller, Skid Steer Loader and Attachments, and Wheel Loaders.

Time is of the essence in submitting bids and only bids received in the Association office by 10:00 a.m. Central Time on Monday, November 30, 2026 will be opened and considered. Bidders and any other interested individuals are invited to attend the bid opening.

NOTICE OF BID OPENING PROCEDURES

All bids for Heavy Equipment will be opened and the name(s) of the bidders read aloud on the morning of the bid opening on Monday, November 30, 2026 at 10:00 a.m. at 2 North Jackson Street, Montgomery, AL. The specifics of each bid submitted will be compiled by the Association staff thereafter and will be available, upon written or emailed request, one week after the bid opening. Requests should be emailed to jointbid@alabamacounties.org.

THE INVITATION PACKAGE

The invitation package for each item to be bid includes: this invitation to bid, the written bid specifications for the particular item of heavy road equipment, and a Bid Submittal Form to be used in submitting a bid for that particular item. Bidders should verify that they have received all pages of the invitation package. If there are any omissions, the bidder should contact Kenya Howard in the Association office by mail, fax, or e-mail (jointbid@alabamacounties.org) to request missing pages. It is the responsibility of the bidder to make this request in sufficient time to prepare and submit the bid in time for the bid opening. Bidders should carefully read and comply with all parts of the invitation package, including all attachments and/or any addendum.

PREPARING AND SUBMITTING BIDS

All bids must be typed or handwritten in ink on the attached Bid Submittal Form. The completed Bid Submittal Form shall be placed in front of and separated from all other documents included in the bid packet, such that it will be the first document viewed upon opening the bid packet.

Bids submitted in pencil and bids not submitted on the Bid Submittal Form will ***not*** be considered. All bids shall include a current catalog or model specification document for the equipment model number being offered for consideration. Bids submitted without such documentation will ***not*** be considered. Only information contained on the attached Bid Submittal Form and in the model specification document will be considered in evaluating bids.

Each separate requirement in the bid specification includes a block for indicating whether or not the item bid meets the specification. The bidder shall indicate compliance with each requirement by checking "Yes" or "No" in the block to the right of each bid specification. In addition, the bidder shall indicate the page number in the supplied manufacturer's equipment literature on which compliance with the specification can be verified. Failure to complete this portion of the bid form may result in the subject bid not being considered.

Each bid for one of the heavy equipment items included in the bid package must be submitted on the Bid Submittal Form for that item and forwarded in a separate envelope with the bid item and item number clearly identified on the outside of the envelope. Envelopes containing a "no bid" shall also include the words "NO BID" on the outside of the envelope. Facsimiles and e-mails will not be accepted. Bids submitted by "Express/Overnight" services must be in a separate inner envelope or package sealed and identified as stated above. All bids must be received in the Association office prior to the bid opening. Bids received after the deadline will be returned unopened.

The County Joint Bid Program reserves the right to require a performance bond from successful bidders as permitted under Alabama law. However, no bid bond is required for this bid offering.

All bids should be mailed or hand-delivered to:

ATTN: Alabama County Joint Bid Program
Association of County Commissions of Alabama or ACCA
2 North Jackson Street, FL 7, Montgomery, Alabama 36104 (Physical Address)

BID SPECIFICATIONS

Please note that each piece of heavy equipment available for bid may include several different sizes and categories of machines. You should read each set of specifications very carefully as the differences vary depending upon the piece and size of equipment.

The award will be based on the total cost of the Standard Machine bid by the lowest responsible bidder. Each Bid shall include a Manufacturer's Suggested Retail Price Sheet (MSRP) for each machine bid. The percent difference between the Manufacturer's Suggested Retail Price (MSRP) for the standard machine as specified by these bid specifications and the actual price bid by the vendor will be calculated and that percentage discount shall be applied to any options an individual county may choose to add to the machine.

Once the bids have been awarded, any county participant purchasing under this program may, at its discretion, add any of the vendor's available options at the same discount off the Manufacturer's Suggested Retail Price Sheet as was applied to the Standard Machine Price Bid.

The vendor must agree to provide all Alabama counties purchasing through the County Joint Bid Program the lowest purchase price made available to any Alabama county during the contract term, and to fully disclose to the Program Administrator (ACCA) all dealer discounts, manufacturer incentives, fleet

incentives, cooperative purchasing discounts, rebates, promotional programs, and other pricing concessions. There shall be no alterations from the bid specifications to receive these pricing concessions.

The vendor must also agree to honor the bid price throughout the entire contract period. If the vendor sells to any county at an amount lower than the bid price, the vendor shall refund to each county that purchased under the awarded bid price the difference between the awarded bid price and the lower price provided to the subsequent county purchaser.

Any use of specific names and/or model numbers in the attached specifications is not intended to restrict the bidder or any seller or manufacturer but is included solely for the purpose of indicating the type, size, and quality of materials, product services, or equipment considered best adapted to the use of the counties participating in the joint bid program.

ACQUISITION AND FINANCING OPTIONS

The awarded Vendor will provide the equipment, including any options required by the purchaser, at the awarded price as contracted through the Joint Bid Program. The purchaser may secure its own financing to acquire the equipment or execute any financial options available under Alabama law with the awarded Vendor in order to acquire the equipment.

BIDDER QUALIFICATIONS

All bidders and all program participants must be in compliance with any applicable federal, state, county and municipal laws, regulations, resolutions and ordinances, including but not limited to, licensing, permitting, and taxation requirements. All bidders should be prepared to submit evidence or documentation as proof that they are properly licensed and permitted under any applicable laws upon request. Such evidence or documentation may be submitted with the bid. Additionally, all bidders shall provide proof that they are in compliance with the E-Verify requirements of Alabama's Immigration Law (Ala. Code § 31-13-1 *et seq*.). All bidders shall also affirm that they are in compliance with, and will comply with, Alabama's anti-boycott law (Ala. Code § 41-16-5) and anti-economic boycott law (Ala. Code § 41-16-160 *et seq*.).

BID AWARD

The Houston County Commission will serve as the awarding authority for all bids and will award all contracts at a regular meeting of the Houston County Commission. Any and all bids submitted in compliance with this invitation to bid shall be considered, and award will be made to the lowest responsible bidder meeting bid specifications as determined by the awarding authority in compliance with Alabama law. All bids will be reviewed and evaluated by a committee created for that purpose, which committee will make comments and recommendations to the awarding authority regarding the award. All factors contained in each invitation package will be evaluated in determining the successful bidder, and any omissions of the stated requirements may be cause for rejection of the bid submitted. The awarding authority reserves the right to reject any and all bids, to waive any informality in bids, and to accept in whole or in part such bid or bids solely at its discretion.

The contract period will be six (6) months with an option to renew each six (6) months not to exceed a period of three (3) years under the identical price, terms, and conditions upon the mutual consent of the vendor and the awarding authority. Any renewal contract shall be approved in writing by the vendor and the awarding authority no later than 60 days prior to the expiration of the existing contract.

CONTACT REGARDING BIDS AND INVITATION

Contact initiated by a potential bidder with any county official, county employee, or member of the Association staff shall only be as specifically set out in this Invitation to Bid. Any questions related to the bid or the County Joint Bid Program shall be directed to Association staff in writing under the procedures set out in this Invitation to Bid. Additionally, a bidder may contact the Association in writing to request an appointment to review bid specifications following the bid opening. However, there shall be no communication with any county official or county employee regarding this bid between the date of this invitation and the date of bid award. Any contact other than as set out here shall be deemed as an attempt to unduly influence the bid award and shall be grounds for rejection of the bid submitted by the bidder initiating such other contact.

Any questions or problems related to downloading or obtaining copies of this Invitation to Bid should be directed to Kenya Howard at jointbid@alabamacounties.org or 334-263-7594.

Any other questions or requests for additional information regarding this invitation or the bid specifications shall be submitted in writing no later than five (5) days prior to the bid opening to:

ATTN: Patrick McDougald
Association of County Commissions of Alabama
2 North Jackson Street, FL 7
Montgomery, Alabama 36104

OR

Patrick McDougald
Email: pattymackdaddy@gmail.com

BID SUBMITTAL FORM
Alabama County Joint Bid Program – Heavy Equipment
BID ITEM – **ONE MAN POTHOLE PATCHER – OPTION B**

Company Name: _____

Address: _____

_____

Bid Submitted By: _____
(Name of Company Representative)

Title: _____ E-mail Address: _____

Phone: _____ Fax: _____

By submitting this bid, we agree:	Initials
The equipment model number identified below meets the bid specs for this bid item	_____
That the bid price will be honored for all counties for the period from January 1, 2027 to June 30, 2027	_____
The equipment will be delivered at the bid price to all counties participating in the joint bid program	_____
The company representative listed above will be the contact person for purchasing this bid item under the joint bid program	_____
The bid is accompanied by a current catalog or model specification document for the model number identified below	_____
The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications	_____
The bid includes the E-Verify documentation required by Alabama law	_____
We comply with, and if awarded the contract, we will comply with, the requirements of Section 41-16-50 and Sections 41-16-160 to -166, Code of Alabama 1975	_____
If awarded the bid, a performance bond will be provided upon request	_____
The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine	_____

To provide all Alabama counties purchasing through the County Joint Bid Program the lowest purchase price made available to any Alabama county during the Contract Term, and that all dealer discounts, manufacturer incentives, fleet incentives, cooperative purchasing discounts, rebates, promotional programs, and other pricing concessions will be fully disclosed to the Program Administrator (ACCA) _____

Vendor further agrees to honor the bid price throughout the entire contract period. In the event Vendor sells to any county at an amount lower than the bid price, Vendor shall refund to each county that purchased under the awarded bid price the difference between the awarded bid price and the lower price provided to the subsequent county purchaser. _____

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

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

Manufacturer's Suggested Retail Price for Standard Machine: $ _____

Equipment Model #: _____

Description: _____

Signature of company representative submitting bid: _____

Title: _____

* 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
ONE MAN POTHOLE PATCHER – OPTION B

By submitting this bid, we agree:

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

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

Equipment Model #: _____

Description: _____

Signature of company representative submitting bid: _____

Title: _____

*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 B

GENERAL

These specifications shall be construed as the minimum acceptable standards for a single-operator, truck-mounted, automatic pothole patcher with a remote-controlled boom operated from the driver's seat of the truck chassis. 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 one year 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 shall be capable of blowing water, dust or debris from the pothole or surface to be repaired. The machine must be capable of patching while moving forward or reverse, must be capable of patching at temperatures as low as 5 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

-- 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 #_____

DIMENSIONS

Width and height to meet State and Federal requirements without requiring oversize permits

Yes___No ___
Page #_____

CHASSIS: CAB-OVER Kenworth 370 or Equivalent Minimum Requirements:

GVWR :	33,000 lbs.
Front Axle:	12,000 lbs.
Rear Axle:	21,000 lbs.
Air Brakes:	18.7 CFM @ 2,600 rpm
Engine:	240hp @ 2,600 diesels, 6 cylinder turbocharged
Wheelbase:	158"

Yes___No ___
Page #_____

Tires: Front Single highway tread, Rear dual highway tread-11R22.5-14

Yes___No___
Page #_____

Wheels: Hub piloted steel disc rims

Yes___No ___
Page #_____

Transmission: Allison, 2500 highway Series 6 speed or Equivalent

Yes___No___
Page #_____

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, back up alarm, tinted glass cruise control am/fm radio. Tool box mounted on the truck chassis

Yes___No ___
Page #_____

AGGREGATE SYSTEM:

The aggregate tank shall be rectangular in shape and have a minimum capacity of 5 cubic yards. The opening on the tank shall be large enough in length to accommodate loading from large industrial loaders and have a safety screen in place. Aggregate system shall perform with wet or dry material. The hopper box will be equipped with two (2) air operated slide gates. Aggregate shall be fed via gravity into the venturi air system which will create a vacuum to draw it into the aggregates hose to provide a constant and even flow of material. The blow-vac system must be capable of passing 2-1/2 inch material without clogging the feed system**. The hopper shall be equipped with a roll tarp system capable of being operated by one person.**

Yes___No ___
Page #_____

AGGREGATE CONDUIT SYSTEM:

The aggregate conduit system shall consist of an abrasion resistant 3-1/2 inch ID flexible non-kinking plastic wire reinforced rubber neoprene-lined hoses designed for long life. The flexible hoses shall be fitted with a vent flow nozzle that has a ½ inch by 1/16 inch single spray slot incorporated in the nozzle body. No multiple spray slots or rings will be accepted. The perforated holes in the vent flow nozzle shall relieve air pressure as the aggregate mix exits the nozzle to prevent the coated aggregate mix from being blown out of the repair area. The unit must prevent over-spray of material therefore allowing repairs to be made close to objects such as cars and curbs.

The operator will control the flow of aggregate with the RPM's of the auxiliary engine only. No belts, conveyors or two speed blower controls will be accepted.

The unit must be capable of dispensing aggregate at the rate of 135 lbs. per minute in continuous operation under normal patching conditions when using ¼ to 3/8 in aggregates. Unit must be capable of performing repairs with aggregate up to ¾ inch in size.

Yes No ___
Page #_____

AUXILARY ENGINE:

The pothole patching machine shall be powered by a liquid cooled diesel tier IV engine with a rated minimum gross horse power of 74 HP. The engine must carry a factory warranty of two (2) years. The engine must be enclosed by an engine compartment with an access door and the enclosure will be lined with sound suppression material. Enclosure shall be powder coated black. Engine shall be protected with an automatic shutdown system to protect against a loss of engine oil pressure and overheating.

Yes_____ No ___
Page #_____

BLOWER SYSTEM:

The blower shall be directly coupled to the flywheel of the engine. It shall produce a minimum of 450 CFM at 7 PSI at 1500 RPM's. The blower shall be protected from overheating by a pop-off valve set at 12PSI. The filter for the blower shall be an easily accessible paper dual stage type with a foam pre-fllter with a minimum of 45 ft^2 of filtration.

Yes___No___
Page #_____

EMULSION TANK:

The emulsion tank shall be an ASME certified pressure vessel with a minimum capacity of 300 gallons. It shall have a 195 PSI working pressure at ambient temperature. It shall be insulated with 2-inch fiberglass insulation with an R value of 15 and covered with a weatherproof, fire retardant re-enforced plastic cover with metal end caps. Overnight heating will be done with 2-1500 watt, 120-volt heater blankets that are thermostatically controlled. The heater blankets are wrapped around the outside if the tank to provide gentle heat on the emulsion tanks itself to avoid putting direct heat on the emulsion. The heating system shall be capable of operating continuously regardless of whether the emulsion tank is empty or full with no damage to the heater blankets or other components. This allows and empty tank to be preheated in cooler weather. The tank shall have a pressure relief valve set between 100 PSI and 110 PSI. The tank must have a minimum 12-inch filler neck with a T-bolt closure.

Tank shall have a 5 inch dial thermometer that is visible from ground level. Yes___No___
Page #_____

The unit must feed the emulsion via a pressurized emulsion tank to allow the system to be unaffected by cold weather. Must be capable of performing in temperatures as low
As 5 degrees F. Yes___No ___
Page #_____

EMULSION CLEAN OUT SYSTEM:

The emulsion clean out tank shall be a 13-gallon pressurized vessel. It shall have a pressure relief valve set at 100 PSI to 110 PSI. In the open position, diesel or solvent from the clean out tank will flow through the emulsion line and valves to allow the system to shut down without clogging.

Yes___No___
Page #_____

No disassembly or soaking of any part of the emulsion system will be necessary. The entire cleanout procedure shall not get emulsion, diesel or solvent on the operator.

Yes___No ___
Page #_____

HOT FLUID HEATING SYSTEM:

The unit shall come equipped with a heat exchanger system to keep the emulsion lines and valves hot during operation in cool or cold weather. A 12-volt circulation pump shall circulate heat transfer oil through 3/8 inch lines the full length of the hose to the emulsion nozzle then back to the heat exchanger. All parts including emulsion valves, hose, and nozzles will be heated by this hot fluid heating. No units circulating chassis engine coolant will be accepted.

Yes___No___
Page #_____

FRONT MOUNTED BOOM AND CONTROL SYSTEM:

The unit will be a fully proportional, 3-axis, single joystick that is modular in construction. The system is used in conjunction with a hydraulically operated mechanical arm mounted to the truck. The arm is used to position the vent flow nozzle over the section of the roadway needing repair. The system must be operable by a single person from the driver's seat in the cab of the truck with minimal
training. Yes No ___
Page #_____

CONTROL SYSTEM:

The control system shall be a modular unit that includes a mounting base. The console is a fully adjustable design with a cushioned armrest and operator interface panel located at the operator's fingertips. The console will have 3 easily accessible switches that control the master power, engine kill and pump control. All switches are to be illuminated with function. The console must have a display area for function indicators and engine information.

Yes___No___
Page #_____

The joystick shall have a non-gated X and Y axis that are 100% proportional. The joystick shall have a second thumb actuated switch with a gated X and Y axis that are 100% proportional. The joystick handle will have buttons for selecting functions including: throttle, emulsion flow, vibrator and rock flow. The joystick shall be able to control 4 proportional valve functions simultaneously. All proportional control must be provided by a programmable controller that monitors the joystick positions and all inputs.

Yes___No___
Page #_____

MECHANICAL ARM:

The unit must come with a 4 axis, heavy duty, hydraulically manipulated assembly used to position a dispensing nozzle. The arm and control must prevent the nozzle from moving beyond the side of the vehicle into the traffic lane. The range of motion must allow repair a minimum of 36" beyond the side of the vehicle opposite the traffic lane. The nozzle must be vertically adjustable to compensate for vehicle height variations. The mechanical arm (boom) is to fold against the bumper of the vehicle and in no way obstruct the driver's vision when locked in the transport position. This is a safety issue!

Yes No ___
Page #_____

All pivot points must be greaseable and replaceable. The arm must mount to the passenger side of a truck bumper with 4 bolts. A stow bracket, and a welded cylinder bracket are also attached to the bumper. The arm must have a stow support for traveling to eliminate bushing fatigue at all pivots. All arm cylinders and rotary actuator must utilize counter balance valves to maintain position while moving the truck or operating the arm.

Yes No ___
Page #_____

The emulsion control valve must be mounted near the emulsion nozzle and all hoses to the tank must be protected in insulating wrap to prevent clogging. The arm must have a minimum reach of 120 inches from the bumper. The nozzle must rotate through a 36 inch radius and 270 degrees of rotation and have a vertical range of motion no less than 8 inches at the nozzle tip.

Yes___No___
Page #_____

Wiring and Connection Specifications:

Wiring and harness system should meet ISO rating IP68 and NEMA 6. The connectors should be zinc die cast E-coated, similar to a MIL spec connector. Each should have three sealing points- the lock ring itself, a raised portion of the molded plastic around each pin, and a viton O-ring that seals the whole connector. The cable jacket should be TPE- thermoplastic elastomer, and molded to the connectors. Connectors and harness should be rated and tested for a temperature range from – 30C to + 70C. Connectors should be tested to be water tight when submerged in 6' of water for 24 hours, in 275' of water for 1 hour, and when subjected to a 1000-psi pressure wash. The connectors should be designed to have NO corrosion after 500 hours in a 35C salt spray. Cabling should be rated excellent in its resistance to oxidation, heat, oil, low temperature flexibility, weather, sun, ozone, abrasion, electrical priorities, flame, water, acid, alkali, gasoline, benzol, toluol, degreaser solvents, alcohol, and weld slag.

Yes___No___
Page #_____

Hydraulic Valve Enclosure:

The intent of this specification is to describe a hydraulic valve enclosure designed for over-the-road and mobile applications. The Enclosure must be constructed of minimum 10-gauge steel with the option of stainless steel construction.

Yes No ___
Page #_____

Enclosure must be of template style for bulkhead "through" mounting of the valve and be completely free from internal tubing or hoses from the work ports and inlet of the valve. The valve must be electrically operated proportional type and must be removable as a unit with template for service and accessibility. Enclosure shall have gusseted frame mounting flanges for horizontal mounting to the truck frame.

Yes___No___
Page #_____

There shall be optional side access panels for further service and accessibility and the provisions for cable or electronic control valves. All panels must have formed gaskets and be weather sealed with bottom welded mounting nuts for panels. All panels and valve plate to be secured with stainless steel bolts. Enclosure lid shall have handles and a minimum of six latches for quick release and easy access to valve compartment. Lid shall seat against bun style lip seal incorporated beneath and against the entire length of the lid assembly. The Assembly will be designed to accommodate a variety of valve controls including, mechanical cables, pneumatic and electrical and any combination thereof

Yes___No___
Page #_____

Electrical, air and cable connections shall be made via bulkhead connectors on the front (cab) side of the enclosure. Hydraulic hose connections shall be made through the bottom of the valve plate for easy access. Enclosure must be symmetrical and capable of mounting on either side of the truck frame. Model MTEA-200 ValveGuard enclosure is acceptable.

Yes____No ___
Page #_____

Cartridge Control Valve:

Integrated valve to be of the cartridge design capable of 20 GPM input flow. The unit will have four proportional 3 position 4 way, closed center design used in conjunction with a pressure compensator. Manual overrides are provided on each of the cartridges in case of a power failure or interrupt. 12volt electrical connections to be of DIN style. Optional Load sense port for horsepower limiting and full load sense capabilities. An optional relief valve integrated into the manifold available for circuit protection. Unit to have 0-6 GPM control range for each valve. Storm Guard Series Valve, SG040900XX is acceptable.

Yes___No___
Page #_____

HYDRAULIC FLUID RESERVOIR:

The hydraulic fluid reservoir must contain a replaceable filter, filler breather, sight gauge, drain port, suction strainer, temperature switch, low level float switch, and a remote mounted fluid cooler with electric fan. The reservoir must powder coated, black in color, frame mounted, and made of steel.

Yes___No___
Page #_____

WARNING LIGHTS:
30" x 60", two-way lighted arrow board with cab controls. Cab-mounted rotating

beacon. Yes___No ___
Page #_____

FINISHING:
The entire unit shall be primer painted and finished with a high grade of enamel paint to match manufacturer standard color. Yes___No___
Page #_____

DESIGN:
This unit applies tons of highly abrasive aggregate per day. All features of this pothole-patching machine have been designed to reduce wear and maintenance costs. Yes___No ___
Page #_____

ENVIRONMENTAL:
The unit must not produce more than one (1) quart of waste fluid in the process of preparing the machine to patch, nor during the cleanup sequence before storing the machine overnight. The use of one (1) quart or less of waste fluid must be sufficient to prepare the emulsion spray system for operation or for its normal cleanup and storage.

Yes___No___
Page #_____

DEMONSTRATION:
In order to be considered for purchase, any company wishing to supply the equipment described in this specification must perform a satisfactory on-site demonstration for evaluation by the buyer. This demonstration must also include an operator from the purchasing agency operating the unit for not less than one hour continuously. Aggregate of 2.5-inch diameter will also be fed through the aggregate feed system to determine specification compliance. The test unit will be compared with the complete specification at this time.

Yes___No___
Page #_____