

BID SUBMITTAL FORM
Alabama County Joint Bidding Program
BID ITEM – ASPHALT MILLING ATTACHMENT- OPTION B

Company Name: Asphalt Zipper, Inc.

Address: 310 West 700 South
Pleasant Grove, UT 84062

Bid Submitted by: Dave Fokken
(Name of company representative)

Title: Vice President of Sales e-mail address: davef@asphaltzipper.com

Phone: 801-847-3220 Fax: 801-847-3250

By submitting this bid, we agree:

Initials

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

dff

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

dff

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

dff

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

dff

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

dff

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

dff

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

dff

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

dff

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

dff

**BID SUBMITTAL FORM: OPTION COST SHEET
ASPHALT MILLING ATTACHMENT- OPTION B**

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*

dtf

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

dtf

Equipment Model #: AZ 420 B(E)

Description: 42" Asphalt Milling Attachment with either T3 (or T4 engine package)

Signature of company representative submitting bid: David Tahn

Title: Vice President of Sales

***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.

ASPHALT MILLING ATTACHMENT- OPTION B

Total Bid Price for Standard Machine: \$ 124,270 (Tier 3)
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) *

Freight Preparation and Delivery: \$ 2,975
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 128,113

Equipment Model #: AZ 420 B

Description: 42" Asphalt Milling Attachment with T3 engine package

Signature of company representative submitting bid: David T Folger

Title: Vice President of Sales

Total Bid Price for Standard Machine: \$ 140,995 (Tier 4)
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) *

Freight Preparation and Delivery: \$ 2,975
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 145,355

Equipment Model #: AZ 420 E

Description: 42" Asphalt Milling Attachment with T4 engine package

Signature of company representative submitting bid: David T Folger

Title: Vice President of Sales

* **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 SPECIFICATIONS
FOR
ASPHALT MILLING ATTACHMENT-OPTION B**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a diesel powered portable asphalt milling-recycling attachment, which attaches to the front of a backhoe/loader, and shall be complete with a trailer specifically designed to transport the unit from one job to the next. 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 for bid shall include all standard manufacturer's equipment. The portable asphalt milling-recycling attachment must be a new current production model and must meet all current EPA and other Federal standards.

The use of specific names and numbers in the specifications 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 price bid shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual and one (1) copy of the owner's 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 (1) year or unlimited 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 <input checked="" type="checkbox"/> NO
PG # <u>1,2,3</u>
Attachment <u>spec</u>

ENGINE

Water cooled, four (4) cylinder tier 3 turbo diesel developing 110 hp and 306ft./lbs. of torque at rated RPM.

YES <input checked="" type="checkbox"/> NO
PG # 1

Shall be equipped with 12-volt electrical system including starter, battery, wiring harness, and alternator. Alternator shall produce 14 volts and 75 amps

YES <input checked="" type="checkbox"/> NO
PG # 1

Fuel tank shall have a capacity of no less than 18 U.S. Gallons. Radiator cooling system shall be protected to -20 degrees F with ethylene glycol type antifreeze in compliance with engine manufacturer's specifications.

YES <input checked="" type="checkbox"/> NO
PG # 1

Unit shall be equipped with engine manufacturer's approved air cleaner, oil, and fuel filters, adequate exhaust system, and all necessary gauges and equipment for efficient operation including tachometer, oil pressure, engine oil temperature, belt tension indicator, skid foot down pressure indicator, and hydraulic filter back pressure.

YES <input checked="" type="checkbox"/> NO
PG # 1

Unit shall contain an engine management shut-down system that includes: low oil pressure shut down, high oil temperature fault, low voltage indication warning, fan belt breakage fault, hour meter, and starter protection lockout.

YES <input checked="" type="checkbox"/> NO
PG # 1

CONTROL AND INSTRUMENT PANEL

Shall be remote type, which can be in the cab of the backhoe/loader to allow the operator to monitor engine functions without leaving the cab.

YES <input checked="" type="checkbox"/> NO
PG # 1

Unit shall include engine fluid temperature, oil pressure, fuel level, and tachometer.

YES <input checked="" type="checkbox"/> NO
PG # 1

Unit shall include emergency stop button. Unit shall include controls for depth, engine speed, and bucket clamping.

YES <input checked="" type="checkbox"/> NO
PG # 1,2

Unit shall include indicators for belt tension and skid foot down pressure.

YES <input checked="" type="checkbox"/> NO
PG # 1

Wireless Remote Control: The unit shall have a wireless remote control consisting of a receiver and hand-held transmitter that will be able to control engine speed, depth of cut and will also be able to shut off.

YES <input checked="" type="checkbox"/> NO
PG # 2

CUTTER HEAD ASSEMBLY

Assembly shall be securely attached to the machine's main frame, enclosed by heavy-duty cowling.

YES <input checked="" type="checkbox"/> NO
PG # 1

Unit shall be equipped with a hatch to allow inspection and maintenance of the cutter head.

YES <input checked="" type="checkbox"/> NO
PG # 1

Unit shall have a maximum cutting depth of approximately 10" (ten inches).

YES <input checked="" type="checkbox"/> NO
PG # 1

Unit shall have a standard cutting width of 42" (Forty-two inches).

YES <input checked="" type="checkbox"/> NO
PG # 1

Shall have a minimum of 114 carbide tipped, 19mm shank, snap-in bits with spring-steel full sleeve retainers and washers.

YES <input checked="" type="checkbox"/> NO
PG # 1

The cutter head and housing shall be designed so that only pulverized materials leave the cutter head assembly.

YES <input checked="" type="checkbox"/> NO
PG # 1

Access hatch: Shall be equipped with a hatch on the dome to allow inspection and maintenance of cutter head. Hatch shall have an electrical safety interlock that will prevent the engine from running or starting while the hatch is in the open position.

YES <input checked="" type="checkbox"/> NO
PG # 1

CUTTER HEAD DRIVE

The power from the engine shall be transmitted to the cutter head through a power take-off system and V-belts to a planetary reduction gearbox at the cutter head drum.

YES <input checked="" type="checkbox"/> NO
PG # 1

Drive belt tension shall be regulated by the use of an idler wheel and hydraulic cylinder. The proper belt tension shall be monitored by a gauge mounted on the machine frame and visible to the operator on the ground.

YES <input checked="" type="checkbox"/> NO
PG # 1

The proper belt tension shall be monitored by a gauge mounted on the machine frame and visible to the operator on the ground.

YES <input checked="" type="checkbox"/> NO
PG # 1

MOUNTING SYSTEM

Unit shall be designed and recommended by the manufacturer to attach to the front bucket of loader/backhoe with a minimum 1.25 cubic yard bucket.

YES <input checked="" type="checkbox"/> NO
PG # 2

Unit shall have hydraulically actuated pressure bucket locking system.

YES <input checked="" type="checkbox"/> NO
PG # 2

Attachment system shall allow the backhoe/loader to load and unload the machine from its transport trailer. All necessary parts and accessories required for attachment to the backhoe/loader shall be furnished.

YES <input checked="" type="checkbox"/> NO
PG # 2

Mounting of the machine shall not require the removal of the bucket nor shall it require the use of a quick connect, quick connect hooks or direct attachment pins. No other mounting systems shall be considered.

YES <input checked="" type="checkbox"/> NO
PG # 2

Hydraulic Bucket Clamps: Unit shall be equipped with a hydraulic bucket clamping system to secure the unit to the bucket of the host vehicle. This bucket clamping system will be actuated by the active hydraulic system. System will maintain a pressure of 1500 psi. The system will have pressure relief valve to safeguard against over pressurizing the system.

YES <input checked="" type="checkbox"/> NO
PG # 2

Active Hydraulic System:

The machine shall be equipped with a hydraulic system consisting of a hydraulic gear pump that is engine powered by an auxiliary drive adapter, reservoir, pressure side filter, hydraulic manifold with motor center valves, lines and two cylinders to actuate and control depth of cut. All hydraulic fittings shall be leak free and O-ring face seal or O-ring boss design. Hydraulic fluid shall be dyed red to distinguish it from other engine fluids. The reservoir shall hold at least five U.S. gallons of hydraulic fluid.

YES <input checked="" type="checkbox"/> NO
PG # 2

Outer Frame:

Unit shall be equipped with an Outer Frame that will serve several functions. This outer frame will support the machine while operating and can be adjusted to control the depth of cut. This outer frame will provide full side shielding which will reduce the amount of debris that could be ejected from the machine during operation. The device shall have two replaceable skid feet on the front corners of the outer frame and 2 replaceable skid feet on the rear corners of the outer frame. The outer frame will also allow for new material such as crushed gravel or emulsions to be mixed with the pulverized asphalt.

YES <input checked="" type="checkbox"/> NO
PG # 2

WEIGHT

Milling/trenching/recycling machine (without trailer) shall have a maximum weight of 5,800 pounds.

YES <input checked="" type="checkbox"/> NO
PG # 2

ADDITIONAL EQUIPMENT

Three tools for changing cutter bits and an extra set of carbide bits and blocks shall be provided. Two safety chains with latching hooks shall be included.

YES <input checked="" type="checkbox"/> NO
PG # 2

COLOR

Units shall be primed and painted with factory standard colors. Shall include manufacturer's standard warning, safety, and instructional decals. Shall have identification serial number decal.

YES <input checked="" type="checkbox"/> NO
PG # 2

TRAINING

The successful bidder shall furnish qualified personnel to instruct operators and service technicians on operation and maintenance of units purchased under this specification. Up to four hours of training in the correct use and maintenance of the machine will be given at time of delivery.

YES <input checked="" type="checkbox"/> NO
PG # 2,3