

**BID SPECIFICATIONS  
FOR  
ASPHALT MILLING ATTACHMENT- OPTION C  
AZ600  
\$149,950.00 (INCLUDING OPTION) TIER 4**

**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 loader by way of the bucket, 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 shall meet all EPA and other applicable standards at the time of manufacture.

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 400 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
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**ENGINE**

Water cooled, six (6) cylinder tier 3 EPA compliant turbo diesel developing minimum 200 hp at rated RPM. Fuel capacity shall be no less than 40 US gallons.

YES	NO
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Shall be equipped with 12-volt electrical system including starter, battery, wiring harness, and alternator.

YES	NO
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Unit shall be equipped with engine manufacturer's approved air cleaner, oil, and fuel filters, adequate exhaust system, and all necessary gauges and equipment that shall include tachometer, engine emergency stop control, and a digitally controlled multifunction display panel that can selectively indicate, at a minimum; fuel level, engine hours, percent engine load, engine oil pressure, system voltage, and engine temperature.

YES	NO
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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	NO
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**CONTROL AND INSTRUMENT PANEL**

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

YES	NO
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Operator control panel shall be equipped with an operator control panel located on the belt cage to control depth of cut and throttle function.

YES	NO
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Operator panel shall also include a key switch to control engine start, run and shut off will also be mounted on this panel as well as a maintenance hatch open/close control and an emergency stop switch.

YES	NO
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**CUTTER HEAD ASSEMBLY**

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

YES	NO
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Unit shall be equipped with a hatch to allow inspection and maintenance of the cutter head.

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YES	NO

Unit shall have a maximum cutting depth of approximately 12" (twelve inches).

PG #	
YES	NO

YES	NO
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Unit shall have a standard cutting width of 72" (seventy-two inches).

YES	NO
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Unit shall have a minimum of 150 snap-in bits that insert into blocks welded securely to the skin of the cutter head.

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

YES	NO
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**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. Drive belt tension shall be regulated by the use of an idler wheel and air bag. Air bag pressure shall be monitored by a gauge mounted on the machine frame and visible to the operator on the ground.

YES	NO
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YES	NO
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YES	NO
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**MOUNTING SYSTEM**

Unit shall be designed and recommended by the manufacturer to attach to the front bucket of loader/ with a minimum 3.0 cubic yard bucket.

YES	NO
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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	NO
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Attachment system shall allow the loader to load and unload the reclaiming /trenching machine from its transport trailer. Mounting of the machine shall not require the removal of the bucket nor shall it require the use of a quick connect or attachment pins.

YES	NO
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**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 tandem center valves, lines and two cylinders to actuate and control depth of cut.

YES	NO
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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 four U.S. gallons of hydraulic fluid.

YES	NO
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**TRAILER**

Unit shall be heavy-duty (15,000-lb. minimum) tandem axle trailer specifically designed by the manufacturer for transporting the asphalt milling/trenching/recycling machine.

YES	NO
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Furnished frame shall be constructed of steel channel rectangular steel tubing or I beam with all welded construction. Shall have steel wheels, hubs shall run on tapered roller bearings.

YES	NO
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Tires shall be 215/75R17.5 load range H with the capacity to handle unit at highway speeds .

YES	NO
PG #	

Unit shall have steel fenders covering the tires.

YES	NO
PG #	

Unit shall be equipped with electric brakes and automatic breakaway system in compliance with current ICC requirements, and adjustable trailer coupler for varying pintle or ball heights.

YES	NO
PG #	

Unit shall come with 4-independent attachments that secure machine to trailer.

YES	NO
PG #	

Unit shall have 70 grade safety/breakaway chains with ratchet style load binders.

YES	NO
PG #	

Unit shall have lockable toolbox, tongue jack, all necessary lights and reflectors to meet DOT and ICC requirements and shall be complete with trailer wiring connectors.

YES	NO
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**WEIGHT**

Milling/trenching/recycling machine (without trailer) shall have a maximum weight of 9600 pounds.

YES	NO
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**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	NO
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Unit shall be equipped with a skirt type device that will serve several functions. This device will support the machine while operating and can be adjusted to control the depth of cut. This device will also reduce the amount of debris that could be ejected from the dome by acting as a shield. The device will also allow for new material such as crushed gravel or emulsions to be mixed with the pulverized asphalt. The device shall have four detachable skid feet which can be replaced with optional, extended height skid feet to allow for a larger opening for greater amounts of material to be introduced to the cutter head and drum.

YES	NO
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**COLOR**

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

YES	NO
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**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 two hours of training in the correct use and maintenance of the machine will be given at time of delivery.

**ASSEMBLY**

Unit shall be assembled, adjusted, and made ready for continuous operation at time of delivery. All necessary parts, accessories, and tools for efficient operation of this unit shall be furnished whether or not they are specifically mentioned in this specification, including standard equipment as regularly furnished by the manufacturer, unless specifically excluded by this specification.

## OPTION COST SHEET FOR ASPHALT MILLING ATTACHMENT-OPTION C

### Option

### Option Price

Deduct 72" cutting head and replace with 48" cutting head. Unit shall have a cutting head assembly will consist of a Heavy Duty Cutter Head which shall be securely attached to the machine's frame and enclosed by heavy-duty cowling. Maximum cutting depth shall be approximately 12" (Twelve Inches). Shall have a maximum cutting width of 48" (Forty-eight Inches). Shall Have a minimum of 130 snap-in bits that insert into standard blocks that shall be welded securely to the skin of the cutter head. The cutter head and housing shall be designed so that only pulverized materials leave the drum assembly. The device shall have three detachable skid feet instead of four. Unit shall mount to a 2.5 CY bucket instead of 3 CY bucket. The trailer shall be a heavy duty (12,000 lb) tandem axle trailer specifically designed by the manufacturer for transporting the asphalt reclaiming / trenching machine. Tires shall be 235/80R16 load range D with the capacity to handle unit at highway speeds. The weight of the reclaiming/trenching machine is changed to a maximum weight of 8,400 poundsdry weight.

\$16,000

# 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.alabamacounties.org](http://www.alabamacounties.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 ASPHALT MILLING ATTACHMENT – OPTION C TIER 4**  
*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#: \_\_\_\_\_

County: \_\_\_\_\_ County Contact Person: \_\_\_\_\_

County Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

County Phone Number: \_\_\_\_\_

County Fax Number: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Equipment Model or Item Name and Number: AZ 600

For heavy equipment items, check the Options Cost Sheet for that item. If item is being purchased without any or all optional equipment, state which item or items to be deleted and the cost of each such item: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Number of items ordered: \_\_\_\_\_ Final Price per item: \_\_\_\_\_

Vendor: Asphalt Zipper Inc. Company Contact: Shane Beck

Vendor address: 310 West 700 South  
Pleasant Grove, UT 84062

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: \_\_\_\_\_