

CONTRACT AWARD	
CK09MERCER2019-04 ONE (1) ALAMO 18' MACHETE FLAIL FOR INSTALLATION ON COUNTY OWNED CASE INTERNATIONAL TRACTOR MODEL 140A OR EQUIVALENT, FOR THE MERCER COUNTY HIGHWAY DIVISION AND THE MERCER COUNTY COOPERATIVE CONTRACT PURCHASING SYSTEM	
BID OPENING DATE : FEBRUARY 21, 2019	
CONTRACT TERM: MARCH 18, 2019 THROUGH MARCH 18, 2020	RES. NO. 2019-203
NAME OF RESPONDENT	STORR TRACTOR COMPANY
ADDRESS	3191 US HIGHWAY 22
CITY, STATE, ZIP	BRANCHBURG, NJ 08876
CONTACT	KENNETH INDYK
TELEPHONE	908 722 9830
FAX	908 722 9847
E-MAIL	KINDYK@STORRTRACTOR.COM
UNIT COST FOR ONE (1) ALAMO 18' MACHETE FLAIL FOR INSTALLATION ON COUNTY OWNED CASE INTERNATIONAL TRACTOR MODEL 140A OR EQUIVALENT	\$71,513.00
MANUFACTURER	ALAMO
MODEL	MACHETE 18'
YEAR	2019
DELIVERY DATE	90-120 DAYS ARO
EXCEPTIONS	CUTOFF DATE FOR ADDITIONAL COOPERATIVE ORDERS WILL BE MARCH 1, 2020 STORR TRACTOR COMPANY IS AN AUTHORIZED CASE/IH DISTRIBUTOR AND CAN PROVIDE REFERENCES OF ACTUAL INSTALLATIONS OF MACHETE 18' ON FARMALL 100A TRACTORS WE HAVE PERFORMED.
FATAL FLAW	NO

Approved as to Form and Legality

Date

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County Counsel

.....April 11, 2019.....

AWARD OF BID RECEIVED FEBRUARY 21, 2019 TO STORR TRACTOR COMPANY FOR ONE (1) ALAMO 18' MACHETE FLAIL FOR INSTALLATION ON COUNTY OWNED CASE INTERNATIONAL TRACTOR MODEL 140A OR EQUIVALENT FOR THE MERCER COUNTY HIGHWAY DIVISION AND THE MERCER COUNTY COOPERATIVE CONTRACT PURCHASING SYSTEM. PERIOD: MARCH 18, 2019 THROUGH MARCH 18, 2020. TOTAL AMOUNT NOT TO EXCEED \$71,513.00 (CK09MERCER2019-04)

WHEREAS, the Mercer County Purchasing Department has advertised for bids for one (1) Alamo 18' Machete Flail for installation on County owned Case International Tractor Model 140A for use by the Mercer County Correction Center and the Mercer County Cooperative Contract Purchasing System a period of one (1) year, as authorized by Resolution No. 2018-89, adopted February 8, 2018; and,

WHEREAS, one (1) sealed bid was received on February 21, 2019 in connection with the aforementioned procurement; and,

WHEREAS, the bidder hereinafter designated is the lowest qualified bidder; and,

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Clerk to the Board

RECORD OF VOTE													
FREEHOLDER	Aye	Nay	N.V.	Abs.	Res.	Sec.	FREEHOLDER	Aye	Nay	N.V.	Abs.	Res.	Sec.
Cannon	X				✓		Melker	X					
Colavita				X			Walter	X					
Frisby	X					✓	Cimino	X					
Koontz	X												
X—Indicates Vote Abs.—Absent N.V.—Not Voting Res.—Resolution Moved Sec.—Resolution Seconded													

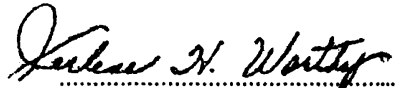
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WHEREAS, the bid received from Storr Tractor Company, 3191 US Highway 22, Branchburg, NJ 08876 shall be awarded for One (1) Alamo 18' Machete Flail for installation on County Owned Case International Tractor Model 140A for the period of March 18, 2019 through March 18, 2020; in an amount not to exceed \$71,513.00; and,

WHEREAS, the Chief Financial Officer of Mercer County has certified in writing the availability of funds for the purposes set forth in this Resolution, said certification is on file with the Clerk to the Board, now, therefore,

BE IT RESOLVED, that the County Executive and Clerk to the Board be and are hereby authorized to execute said contracts when presented in a form approved by County Counsel; and,

BE IT FURTHER RESOLVED, that the Clerk to the Board shall forward a copy of this Resolution to the Mercer County Department of Transportation and Infrastructure, Highway Division and the Mercer County Purchasing Department for further distribution.


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Clerk to the Board

SPECIFICATIONS ONE (1) ALAMO 18' MACHETE FLAIL FOR INSTALLATION ON COUNTY OWNED TRACTOR MODEL 140A OR EQUIVALENT, FOR THE MERCER COUNTY HIGHWAY DIVISION AND THE MERCER COUNTY COOPERATIVE CONTRACT PURCHASING SYSTEM
Jodi Hawryluk (609) 530-7525

INTENT

The County of Mercer requests bids for One (1) Alamo 18' Machete Flail for installation on County owned Case International Tractor Model 140A or Equivalent. The County requests the bid price to be held for one year. Bids shall be for new, current year production equipment. Demonstrator, used or lesser model equipment will not be accepted. All references to brand name shall be interpreted as brand name or equivalent. All questions shall be directed to the Purchasing Department, 609 989 6710.

EXCEPTIONS

If bidding an equivalent manufacturer, provide the manufacturer's published literature and list all exceptions with descriptions of each exception.

A certificate of origin will be provided with the equipment upon delivery. Any questions regarding the bid must be directed to purchasing.

Upon delivery, vendors must provide set-up, operating training by an authorized manufacturer's representative and two sets of training manuals. All equipment shall include standard safety features.

As this is a cooperative bid, the awarded vendor(s) may provide the equipment herein bid upon to local governmental contracting units located within the County of Mercer without substitution or deviation from specifications, size, features, quality, price or availability as herein set forth. It is understood that orders will be placed directly by the contracting units, subject to the terms of the contract to be awarded by the County of Mercer, and that no additional service or delivery charges will be allowed. References to brand names shall be interpreted as brand or equivalent.

All equipment shall be delivered F.O.B destination with delivery charge included, within 90 days from receipt of purchase order. All equipment shall be delivered as stated above with to the **Mercer County Highway Division at 300 Scotch Road, West Trenton, NJ 08628**

WARRANTY

The awarded vendor shall provide the warranty as stated in the specifications.

AWARDED CONTRACTOR SHALL PROVIDE OPERATING TRAINING BY AN AUTHORIZED MANUFACTURER'S REPRESENTATIVE UPON DELIVERY OF EQUIPMENT. VENDORS MUST SPECIFY THE MANUFACTURER'S CUT-OFF DATE.

VENDOR WILL HOLD PRICING FIRM FOR ONE YEAR

YES NO

**SPECIFICATIONS
ALAMO 18' MACHETE FLAIL
FOR INSTALLATION ON COUNTY OWNED CASE INTERNATIONAL TRACTOR MODEL 140A
FOR USE BY HIGHWAYS**

General: It is the purpose of this specification to describe a mid-mounted, hydraulically powered flail mower for cutting grass and brush along roadsides that is not normally accessible to conventional mowing equipment. Unit shall be manufacturer's standard production and not modified to meet the following minimum specification. The successful vendor shall be responsible for complete, "ready to work" mower installation upon currently owned Case/IH Farmall 140A tractor. Vendor will include transportation, proper installation with OEM tractor and mower components, any necessary safety accessories and instruction in use of complete unit.

Frame: Mounting rail framework shall be full length, 4" x 4" x 5/16" square tubing steel with 6" x 4" x 1/2" vertical support mounted to front bolster housing and rear axle, tractor bellhousing shall not be used for mounting. Torsional loading shall be minimized with 4" x 2" x 1/4" lateral cross bracing spanning the width of the tractor. Main frame supporting the king post shall brace over the hood above the operator's line of sight, formed from 4 x 4 x 5/16" wall tubing. All structural tubing in mount kit shall conform to ASTM A-500 Gr. B (58,000 psi min tensile strength). Minimum counterweight of 1600 lbs. shall be fastened to the frame opposite the boom. A self-adjusting axle stabilizer system shall provide counter stability for the articulated boom. A minimum 1000 lb. wheel weight shall be provided as standard equipment. A two piece boom rest structure shall mount to the rear axle to support the weight of the boom in transport.

Comply Exactly: Yes_____ No_____

Exceptions: _____

King Post: Shall have two 2 3/4" greasable Connex bushings with a 2 1/2" diameter chrome plated pin. Shall have a 5" diameter x 1/4" thick UHMW polyethylene thrust washer. Shall have a minimum total bearing area of 46 square inches.

Comply Exactly: Yes_____ No_____

Exceptions: _____

Boom Arm: Shall be of a two piece design with all pivot points having replaceable Teflon bearings. Main pivot pins shall be a minimum of 2" in diameter ET^AD alloy steel bar, each pin shall be supported by a pair of 3" hardened steel, greasable Connex bushings. The inner boom shall be made of a minimum of 6" x 6" x 1/4" wall steel tubing, 58,000 lb./sq. in. yield strength. The dipper shall be made of a minimum of 5" x 5" x 1/4" wall steel tubing, 58,000 lb./sq. in. yield strength. Main boom pivot points shall be reinforced with 3/4" ASTM A-572 Gr. 50. Horizontal boom swing shall be a minimum of 120-degree swing hydraulically operated. The swing cylinder shall be mounted in such a way that the breakaway forces are transmitted to the barrel side of the cylinder and not the rod side.

Comply Exactly: Yes_____ No_____

Exceptions: _____

Boom Reach: (With 60" head) Minimum reach up will be 18'7". The minimum reach out shall be 18'. The minimum reach down shall be 5' 1" below tractor ground level. Boom mower head shall be able to mow within 6" of rear tractor tire (with 18.4 x 30 tires). Shall use four bar linkage to allow 215-degree head rotation.

Comply Exactly: Yes_____ No_____

Exceptions: _____

Hydraulics: System shall feature a self-contained hydraulic circuit for both mowing head and boom control. Mowing circuit shall have a closed loop hydrostatic, variable piston pump rated at 28 GPM at 2200 RPM and 2500 PSI. Highly efficient piston pump eliminates the need for additional hydraulic cooling. Gear pumps are not acceptable. The front pump shall be idle during transport. The hydrostatic pump shall feature a charge pump rated at 8 gpm and 300 psi at 2200 rpm. The control circuit features a load sensing variable displacement piston pump rated at 19 gpm and 3000 psi at 2200 rpm. Entire pump assembly shall be mounted to the front of the tractor and drive shaft coupled to the engine crankshaft pulley. All motor circuit hoses shall be a minimum of 1" four wire braid with an SAE rating of 100R12. The dipper boom hoses shall be of metal tubing and fasten to the inside of the boom. The inner boom hoses shall be metal tubing and fasten to outside and back of the boom. The mower deck hoses shall be a four-wire braid SAE100R12 fitted with Cordura sleeving for protection against the brush. Valve stack shall allow secondary manual bypass of joystick control.

Comply Exactly: Yes_____ No_____

Exceptions: _____

Hydraulic Reservoir: Shall have a front mounted reservoir (side mounted reservoirs are not acceptable) for improved operator visibility, safety and operator access. Shall have a maximum 17-gallon reservoir with a built in oil level sight glass and thermometer. Access points shall be provided for draining and cleaning reservoir. Heavy duty steel bumper shall provide frontal protection. Shall have a maximum of 100 mesh suction line filter with a 10 micron, 40 gpm return filter with restriction gauge.

Comply Exactly: Yes_____ No_____

Exceptions: _____

Cylinder valve: The cylinder control circuit shall feature a multi section, electro hydraulic directional valve, open center and provide section specific pressure compensation. Valve shall allow a minimum of four functions to be operated simultaneously. A manual override control system shall be available in addition to the standard joystick. The swing, lift and dipper sections must feature individual work port relief vales for breakaway protection. Valve shall contain a separate 20 micron, 35 gpm in line pressure filter. The valve shall be mounted on the oil reservoir and protected by a hinged fiberglass cover. All five functions of the valve shall be controlled through a single electronic joystick.

Comply Exactly: Yes_____ No_____

Exceptions: _____

Safety: The mower shall have a 6-second shutdown as a normal function of the hydraulic system. Additional hydraulic bypass or braking systems are not acceptable. The mower head motor shall take 6 seconds to wind up to full RPM for a "no load, no shock start up". Boom controls shall feature a master on/off switch for complete power shutdown. An ignition lock out safety switch shall prevent the tractor from being started with the cutter head valve engaged. Cab unit will include Shields Premier 3/8" thick right side replacement polycarbonate windows; feature Supercoat anti abrasion coating with integrated UV protection.

Comply Exactly: Yes_____ No_____

Exceptions: _____

Flail Head: "Battle Axe" flail head provides a cutting swath of 51" including 38, 2 lb. dual flail knives capable of cutting 5- 6" vegetation and brush. Cutting height is adjustable by rear roller from 7/8" to 7 1/4" in 1 5/8" increments. Rear roller is 7" OD with 3/16" wall. Rear roller bearing are self-aligning, ball bearing type and 1 1/8" diameter hex interior. Overall width is 64.5", weight is 1150 lbs. Cutter shaft rpm is 2700 rpm at 31 gpm flow, cutter shaft OD is 6 1/4" with 3/8" wall, bearings are 2 3/8" ID self-aligning double row roller type. One 5 V Rib Bonded V belt shall be used to drive the cutter shaft. Blade tip velocity at 31 gpm from the pump shall be 16300 fpm. Deck thickness shall be 3/16" ASTM A572 Grade 50 steel, side plates constructed of 3/8" ASTM A572 Grade 50 steel. Front door is hinged, hydraulically operated and constructed of ASTM A572 Grade 50 steel.

Comply Exactly: Yes_____ No_____

Exceptions: _____

Mower Warranty: 12 months

Comply Exactly: Yes_____ No_____

Exceptions: _____