



INVITATION TO BID NO: 09-R-2208139

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

REQ. AGENCY : 012014
ALA DEPT OF TRANS 3RD DIV WAREHOUSE
AGENCY REQ. NO. : 309-930449
T-NUMBER :
DATE ISSUED : 07/07/09
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1416476
BUYER NAME : CRIST WATTS

INVITATION TO BID

FOR: FLAIL MOWER
JOHN JONES 205-581-5690

BUYER PHONE NO. : (334) 242-4291-
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:
DATE: 07/29/09 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 07/30/09 TIME: 10:00 AM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE _____ DAYS OR _____ WEEKS AFTER RECEIPT OF ORDER
 2. TERMS: _____(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)
 3. PRICE VALID FOR ACCEPTANCE WITHIN _____ DAYS.
 4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: _____
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)
 5. E-MAIL ADDRESS: _____
INTERNET WEBSITE: _____
 6. GENERAL CONTRACTOR'S LICENSE NO: _____
TYPE OF G.C. LICENSE: _____
- RETURN INVITATION TO BID:

US MAIL

COURIER

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING
P O BOX 302620
MONTGOMERY, AL 36130-2620

STATE OF ALABAMA
DIVISION OF PURCHASING
RSA UNION BUILDING
100 N. UNION ST., SUITE 192
MONTGOMERY, AL 36104

***** IMPORTANT NOTE: *****

BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE ITEM 7 - COPY REQUIREMENT.

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED. I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO REFRAIN FROM BIDDING.

SWORN TO AND

FEIN OR SSN

AUTHORIZED SIGNATURE (INK)

SUBSCRIBED BEFORE ME THIS

COMPANY NAME

TYPE/PRINT AUTHORIZED NAME

_____ DAY OF _____

MAIL ADDRESS

TITLE

NOTARY PUBLIC

CITY, STATE, ZIP

TOLL FREE NUMBER

TERM EXP: _____

PHONE INCLUDING AREA CODE

FAX NUMBER

STANDARD TERMS & CONDITIONS

VENDOR NAME :

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AUTHORITY:

THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

INFORMATION AND ASSISTANCE TO MINORITY BUSINESSES IN THE TECHNICAL COMPLETION OF REQUIRED FORMS MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

BID (ITB) RESPONSE INSTRUCTIONS

REV: 04/07/09

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.
2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPERATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPERATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.
3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.
4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.
5. A "NO BID" MUST BE RETURNED TO REMAIN ON A CLASS/SUBCLASS. RETURN PAGE 1 MARKED "NO-BID". IDENTIFY IT ON THE ENVELOPE AS A "NO-BID". FAILING TO RESPOND TO 3 ITB'S WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. RESPONDING WITH 6 "NO-BIDS" WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. A "NO-BID" RECEIVED LATE IS CONSIDERED A NO RESPONSE.
6. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.
7. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE COMPLETE EXACT COPY (TO INCLUDE SIGNATURE AND NOTARY) OF THE INVITATION-TO-BID RESPONSE. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE.
8. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURUIG REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

- BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
- RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
- BID RECEIVED LATE
- BID NOT SIGNED/NOT ORIGINAL SIGNATURE
- BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
- NOTARIZED OWN SIGNATURE
- REQUIRED INFORMATION NOT SUBMITTED WITH BID
- FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY WILL RESULT IN REJECTION OF THE BID RESPONSE
- FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEARBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

SPECIAL TERMS & CONDITIONS

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INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

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AWARD:

THE AWARD SHALL BE MADE TO THE LOWEST RESPONSIBLE BIDDER MEETING ALL SPECIFICATIONS.

DELIVERY TIME FRAME:

ALL ITEMS ORDERED MUST BE DELIVERED TO THE "SHIP TO" ADDRESS SHOWN ON THE P.O. WITHIN THIRTY (30) DAYS OF VENDOR'S RECEIPT OF ORDER.

FREIGHT:

BID IS F.O.B. DESTINATION. ANY FREIGHT CHARGES MUST BE INCLUDED IN THE BID PRICES.

DESCRIPTIVE LITERATURE:

THE BRANDS AND MODEL NUMBERS REFERENCED PROVIDE A LEVEL OF QUALITY, AND UNLESS OTHERWISE SPECIFIED, ARE NOT RESTRICTIVE. VENDORS BIDDING ALTERNATE ITEMS MUST PROVIDE COMPLETE DESCRIPTIVE/TECHNICAL LITERATURE FOR CONSIDERATION AND EVALUATION WITH THEIR BID, AND WITH THE BID COPY PER ITEM NUMBER 7 ON PAGE 2. REFERENCE TO LITERATURE WITH A PREVIOUS BID WILL NOT SATISFY THIS REQUIREMENT. FAILURE TO PROVIDE THE REQUIRED LITERATURE WILL RESULT IN THE REJECTION OF THE BID. PHYSICAL INSPECTION AND OPERATIONAL EVALUATION MAY ALSO BE REQUIRED WITHOUT COST OR OBLIGATION TO THE STATE OF ALABAMA.

SPECIFICATIONS

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*****SPECIFICATION 020E11*****

TRACTOR WITH FLAIL MOWERS: NEW LATEST MODEL INDUSTRIAL, DIESEL 4 CYL. WATER COOLED, 85 HP PTO W/POWER TAKE-OFF & 3-POINT HITCH. TO BE EQUIPPED WITH: CAB WITH AIR CONDITIONER, SEAT BELTS; SWINGING DRAW BAR; REAR FENDERS; HEAT INDICATOR HOUR METER; STABILIZER RODS; SMV EMBLEMS; TURN SIGNALS AND BLINKER LIGHTS TO CONFOM W/ICC REGS. ELECTRIC SYSTEM: 12 VOLT W/ALTERNATOR. ELECTRIC SYSTEM: 12 VOLT W/ALTERNATOR. TIRES: FRONT 8-PLY OR GREATER TO RUN LEVEL REAR; 18.4 X 30 R1 8 PLY (MIN) BAR TREAD (R-1). FLAIL MOWER UNITS SHALL BE TRACTOR MOUNTED AND SHALL MOW GRASS, WEEDS AND LIGHT BRUSH. THE UNIT SHALL HAVE THREE INDEPENDENT SECTIONS, ONE REAR SECTION AND TWO MID-MOUNTED WING SECTIONS. ATTACHMENT OF THE REAR UNIT TO THE TRACTOR SHALL BE VIA TRACTOR THREE POINT LIFT. HYDRAULIC SYSTEM. THE WING CUTTER SHALL BE POWERED BY HYDRAULIC PUMPS AND MOTOR SYSTEM THAT SHALL OPERATE INDEPENDENTLY AND SHALL NOT BE CONNECTED TO THE TRACTOR HYDRAULIC SYSTEM. POWER TO POSITION THE WING SECTION SHALL BE PROVIDED BY A HYDRAULIC CYLINDER SYSTEM. KNIVES: KNIVES SHALL BE REVERSIBLE, FREE SWINGING DESIGN. STYLE COARSE: VENDOR TO FURNISH TWO (2) SETS OF OPERATOR'S MANUALS, TWO (2) SETS OF PARTS AND SHOP MANUALS AND TWO (2) SETS OF WIRING DIAGRAMS AND LUBRICATION CHARTS FOR TRACTOR AND MOWER. THE DELIVERED UNITS WILL INCLUDE: COMPLETE LUBRICATION. FILLING CRANKCASE WITH OIL. ADJUSTMENT OF ENGINE TO PROPER OPERATING CONDITIONS, CAREFUL CHECK TO ASSURE PERFECT OPERATIONS OF ALL MECHANICAL FEATURES. CLEANING OF VEHICLE IF NECESSARY & REMOVAL OF ALL UNNECESSARY TAGS, STICKERS, PAPERS, ETC.

OTHER TRACTOR SPECS. TO BE INCLUDED: DRY TYPE AIR CLEANER WITH PRE-CLEANER TRANSMISSION CONSTANT MESH 8 SPEED FORWARD 2 REVERSE WITH HELICAL GEARS AND SLIDING COLLARS. STEERING: POWER. DUAL HEADLIGHTS COMBINATION REAR TAILLIGHT W/FLASHING AMBER LIGHTS. BRAKES: HYDRAULICALLY ACTUATED FULLY ENCLOSED WET DISC; SELF-EQUALIZING. FOOT OPERATED INDIVIDUALLY OR SIMULTANEOUSLY FOOT ACCELERATOR. POWER TAKE-OFF: INDEPENDENT (540 RPM) AT REAR OF TRACTOR. SHIPPING WEIGHT: 5,695 LBS. MINIMUM.

THE MOWER UNIT SHALL BE SO MOUNTED AS TO BE FREE TO "FLOAT" FOLLOWING THE CONTOURS OF THE GROUND, OR AT THE OPERATOR'S DISCRETION TO BE HELD AT VARYING HEIGHTS & ANGLES OF TILT ABOVE THE GROUND SO AS TO BE CAPABLE OF CUTTING OVER OBJECTS, SOFT AREAS, WATER, VOIDS, ETC WITHOUT THE NECESSITY OF MAINTAINING GROUND CONTACT FOR SUPPORT OF THE MOWER UNITS. THE REAR SECTION SHALL PRODUCE A MINIMUM OF EIGHTY-EIGHT INCHES OF CUT WITH POWER TO THE CUTTING BLADES PRODUCED BY THE TRACTORS POWER TAKE OFF SHAFT. THE WING SECTIONS SHALL BE CONTROLLED FROM THE OPERATOR'S POSITION WITH ELECTRIC AND MECHANICAL VALVES. A SAFETY SWITCH SHALL BE STANDARD FOR EACH WING SECTION. TOTAL WIDTH OF SWATHE IN FLAT OUT POSITION SHALL BE APPROXIMATELY 18' 5" WITH WING SECTIONS RETRACTED TO TRANSPORT POSITION, THE TRACTOR AND UNIT SHALL BE CAPABLE OF OPERATING IN A RIGHT OF WAY MINIMUM OF ONE HUNDRED INCHES. KNIVES SHALL BE 1 3/4" X 3 5/16", RING MOUNTED, IN PAIRS ON FORGED HEAT TREATED CLEVIS RINGS. KNIFE MATERIAL SHALL BE TEMPERED, HARDENED STEEL KNIFE ATTACHMENT: EACH PAIR OF KNIVES SHALL BE SECURED TO THE CUTTER SHAFT LUGS BY 7/16" X 5/16" HARDENED PINS AND 1/8" X 3/4" CUTTER PINS OR 7/16" BOLT. EACH PAIR OF KNIVES SHALL BE MOUNTED IN A MANNER TO PROVIDE EASY REPLACEMENT OF EACH PAIR WITHOUT AFFECTING ANY OTHER KNIFE. CUTTER SHAFT: THE KNIFE SUPPORT SHALL BE 4-1/2" MINIMUM DIAMETER DRAWN STEEL TUBE. THE ENDS OF EACH CUTTER SHAFT SHALL PROVIDE FOR ANTI-JAMMING TO PREVENT WIRE, ROPE, DEBRIS FROM WRAPPING ON THE SHAFT. THE CUTTER SHAFT END COVERS SHALL BE ATTACHED TO THE SHAFT HOUSING. CUTTER SHAFT BEARINGS: THE CUTTER SHAFT SHALL BE SUPPORTED BY BEARINGS WITH 1-15/16" MINIMUM DIAMETER BORE. A MINIMUM OF TWO BEARINGS PER SHAFT WITH A LOAD RATING OF 1,650 LBS. EACH SHALL BE USED. GREASE FITTINGS SHALL BE PROVIDED TO ALLOW RELUBRICATION OF THE CUTTER SHAFT BEARINGS. CUTTER SHAFT BEARING HOUSING: BEARING HOUSINGS SHALL BE ATTACHED TO THE TWO SIDE SKIRTS OF THE CUTTER SHAFT HOUSING. THE BEARING HOUSING SHALL ENCLOSE THE

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BEARING TO PREVENT FOREIGN MATERIAL FROM DAMAGING BEARINGS. BEARING GUARDS: THE CUTTER SHAFT HOUSING SHALL BE EQUIPPED WITH REPLACEABLE BUMPER GUARDS OVER EXPOSED SHAFT ENDS. DECK CONSTRUCTION: CUTTER SHAFT HOUSING SHALL BE A MINIMUM OF 10 GAUGE STEEL. SKID SHOES: SKID SHOES SHALL BE ATTACHED AT EACH END OF THE CUTTER HOUSING. WEAR PLATES SHALL BE REPLACEABLE. MINIMUM HEIGHT ADJUSTMENT: MINIMUM HEIGHT OF CUT SHALL BE 3/4" & SHALL BE ADJUSTABLE TO 6". HEIGHT SHALL BE MAINTAINED BY A SIX INCH DIAMETER FULL SPAN ROLLER. THE ROLLER SHALL BE SUPPORTED BY BEARINGS WITH 1 3/8" MINIMUM DIAMETER BORE WITH A LOAD RATING OF ONE TON MINIMUM EACH, AT 5 MPH. A RECESSED GREASE FITTING SHALL BE PROVIDED AT EACH END OF THE ROLLER TO ALLOW RELUBRICATION OF THE REAR ROLLER BEARINGS. REAR SECTION POWER: THE REAR SECTION MOWER SHALL BE GEAR DRIVEN FROM THE TRACTOR 540 PTO SHAFT. THE DRIVE SHAFT SHALL BE A MINIMUM OF 35R. THE GEAR BOX SHALL BE A MINIMUM OF 60 CONTINUOUS HP. POWER SHALL BE TRANSMITTED FROM THE OUTPUT DRIVE SHAFT TO THE CUTTER SHAFT THROUGH A V-BELT(S). THE V-BELT SHALL BE CONSTRUCTED WITH CORDS DESIGNED TO OPERATE WITH REVERSE BEND. THE ENTIRE DRIVE SYSTEM SHALL BE SHIELDED. WING SECTION POWER; POWER FOR WING UNITS SHALL BE PROVIDED BY HYDRAULIC PISTON PUMPS & MOTORS. THE PUMPS SHALL BE POWERED DIRECTLY BY THE TRACTOR ENGINE (FRONT MOUNT). HYDRAULIC HOSE WITH A SAFETY RATING IF 4 TO 2 SHALL BE USED TO ROUTE THE FLUID FROM PUMP TO MOTOR BACK TO THE OIL RESERVOIR. ADDITIONAL OIL MUST BE PROVIDED IN EACH WING. EACH HYDRAULIC SYSTEM SHALL BE PROTECTED BY A HYDRAULIC RELIEF VALVE. THE TRACTOR 3 POINT HITCH SYSTEM SHALL BE USED TO RAISE AND LOWER THE REAR MOWER SECTION FROM CUTTING POSITION TO TRANSPORT POSITION. WING SECTION ATTACHMENT AND CONTROL: THE WING SECTIONS SHALL BE CONNECTED TO THE TRACTOR BY A LONGITUDINAL MEMBER FASTENED AT THE REAR AND FRONT OF THE TRACTOR. POSITION CONTROL FOR WINGS SHALL BE PROVIDED BY HYDRAULIC CYLINDERS. ONE CYLINDER SHALL BE FOR VERTICAL LIFT WITH A MINIMUM STROKE OF 6" PROVIDING A MINIMUM VERTICAL ARC FROM 45 DEGREES DOWN TO 90 DEGREES UP. TILT CYLINDER SHALL HAVE A MINIMUM STROKE OF 9" PROVIDING A MINIMUM HEIGHT RANGE OF 4" BELOW GRADE TO 14" ABOVE GRADE ALLOWING CURB HEIGHT MOWING FROM STREET. POWER FOR POSITIONING CYLINDER SHALL BE HYDRAULIC. PRESSURE SAFETY FACTOR FOR THE CONTROL SYSTEM HOSES SHALL BE 4 TO 1. CONTROLS FOR THE POSITIONING CYLINDERS SHALL BE LOCATED WITHIN EACH REACH OF THE OPERATOR. EACH POSITION OF THE HYDRAULIC POSITIONING SYSTEM SHALL BE PROTECTED BY A HYDRAULIC RELIEF VALVE OR AN APPROVED EQUAL THE HYDRAULIC POSITIONING VALVE SHALL HAVE A DETENT POSITION ALLOWING THE WING SECTION TO FOLLOW THE CONTOUR OF THE GROUND WITHOUT OPERATOR CONTROL. WING CUTTER SHAFT CONTROL VALVE: EACH WING CUTTER SHAFT SHALL BE CONTROLLED BY AN ELECTRIC SWITCH CONTROLLING AN ELECTRIC SOLENOID VALVE OR AN APPROVED EQUAL. THIS VALVE SHALL DIRECT THE FLOW OF THE HYDRAULIC FLUID FROM THE PUMP TO THE MOTOR OR BACK TO THE HYDRAULIC TANK. HYDRAULIC PUMPS: THE PUMPS FOR THE WING SECTIONS SHALL BE POWERED BY THE ENGINE CRANK SHAFT. THE RESERVOIR(S) SHALL BE EQUIPPED WITH A REPLACEABLE FILTER, TEMPERATURE GAUGE AND OIL QUANTITY INDICATOR. DEFLECTOR CURTAIN: EACH MOWER SECTION SHALL BE EQUIPPED WITH A REPLACEABLE, FULL SPAN, REAR RUBBER/FABRIC CURTAIN TO PROVIDE DOWNWARD DEFLECTION OF DEBRIS. HYDRAULIC DRIVE PROTECTION: A HEAVY BUMPER SHALL BE PROVIDED. THIS BUMPER SHALL SERVE AS COLLISION PROTECTION FOR THE HYDRAULIC DRIVE COMPONENTS.

PRICE SHEET

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
UNLESS SPECIFIED OTHERWISE BELOW: SHIP TO: 012014 / 012M01 ALA DEPT OF TRANS 3RD DIV WAREHOUSE THIRD DIVISION 1020 BANKHEAD HWY WEST BIRMINGHAM AL 35204					
00002	COMMODITY CODE: 020-15-083189 MOWER, FLAIL PER ATTACHED SPECIFICATION: MOWER, FLAIL, 3-PT CATEGORY II HITCH MINIMUM 102" ACTUAL CUTTER PATH DESIGNED FOR CENTERED OR OFFSET CUT PTO SHAFT MINIMUM RATING OF 65H.P. CUTTER HEAD RATED FOR 540RPM PTO MFR: _____ MODEL: _____ TIGER CORP, MODEL TRF-102, OR EQUAL	1	EA	_____	_____

PAGE TOTAL

BID TOTAL

