



INVITATION FOR SEALED BID

Bid 01-519

Description: MID MOUNT ARTICULATED 17' BOOM

Department: PUBLIC WORKS

NIGP Commodity Code(s): 020-67-00-00-000-0

Total pages including this page is 16

NOTE: FAXING OF BIDS IS NOT ACCEPTED

Important Instruction – Read Carefully:

If you have obtained these bid specifications from either of:

City of Tulsa's Fax-on-Demand (918-596-1171) or

City of Tulsa's Web-site : www.cityoftulsapurchasing.org

You must notify the buyer Darlene Donica of your intent to bid by e-mail ddonica@ci.tulsa.ok.us in order to receive addenda. The buyer will always acknowledge your e-mail for your records. All addenda will be posted on fax-on-demand and the web-site.

TABLE OF CONTENTS

Pay special attention to those pages with a reference to the following notes:

Note #1: Signature of authorized agent required

Note #2: Signature of an authorized agent and notarized required

| | | |
|------------------------------|-------------|------|
| Table of Contents | | 2 |
| Invitation for Sealed Bid | (Note #1) | 3 |
| General Terms and Conditions | | 4 |
| Interest Affidavit | (Note #2) | 5 |
| Bidder Affidavit | (Note #2) | 6 |
| Contractor Information Sheet | | 7 |
| Summary Price Sheet | | 8 |
| Specifications | | 9-16 |

Your bid response should follow the same format listed above plus any additional format requested in the body of the bid invitation.

**INVITATION FOR SEALED BIDS
TO
City of Tulsa**

200 CIVIC CENTER, ROOM 109, TULSA, OKLAHOMA 74103

Bid number and date of bid opening must appear on the lower
left outside corner of bid envelopes and all related containers.

DATE OF OPENING: **NOVEMBER 8, 2001**

BID NUMBER: **01-519**

BID MUST BE IN THE CITY CLERK'S OFFICE AT THE ABOVE ADDRESS BY 5:00 P.M. THE DAY PRECEDING THE "DATE OF OPENING" SHOWN ABOVE.

BIDS WILL BE OPENED AT 8:30 A.M. IN THE CITY COUNCIL ROOM ON THE DAY SPECIFIED UNDER "DATE OF OPENING."

PUBLISHED IN THE TULSA DAILY COMMERCE AND LEGAL NEWS: **OCTOBER 22, 23, 24, 25, 26, 2001**

Bid must be accompanied by bidder's bond, cashier's check or certified check in the amount of: **NONE**

PLEASE READ TERMS AND CONDITIONS ON THE NEXT PAGE BEFORE COMPLETING BID DOCUMENTS

THE FOLLOWING SECTION MUST BE COMPLETED BY BIDDER

Delivery will be made in not more than _____ days after receipt of order.

Payment terms _____ % _____ days.

City of Tulsa may increase quantity of order at the unit price bid for _____ days. (Bidder to Specify Days) I have examined the terms and specifications and the instructions to bidders herein and agree, provided I am awarded a contract, to provide the above described items for the sum shown in accordance with the terms and specifications stated herein. All deviations are in writing and attached hereto.

Enclosed is a BID BOND ; CASHIER'S CHECK; Certified Check in the amount of \$ _____, which I agree the City of Tulsa may retain as liquidated damages in the event of my failure to comply with the terms of this bid.

MUST BE SIGNED BY AUTHORIZED AGENT TO BE VALID

FIRM NAME _____ by _____
(Signature)

STREET _____ TITLE _____

CITY STATE _____ ZIP CODE _____ PHONE NUMBER _____ DATE _____

GENERAL TERMS AND CONDITIONS OF BIDS

THESE ITEMS APPLY TO AND BECOME A PART OF THE BID.

NO EXCEPTIONS TO THESE TERMS & CONDITIONS WILL BE CONSIDERED.

1. **BIDS MUST BE SUBMITTED ON THIS FORM ONLY INCLUDING A SIGNATURE OF AN AUTHORIZED AGENT.** Each bid shall be placed in a separate envelope. Be sure envelope is completely and properly identified and sealed, showing the bid number and date in the lower left hand corner. Bids must be time stamped in the office of the City Clerk by 5:00 P.M. on the day before date of opening.
2. No bidder may withdraw his proposal for a period of thirty (30) days after the date and hour set for the opening of bids.
3. All prices shall be quoted F.O.B. Tulsa, Oklahoma, and delivery to City of Tulsa location shall be without additional charge.
4. The bidder shall attach the manufacturer's name of the equipment or material to be furnished, type, model numbers, manufacturer's descriptive bulletins and specifications. All guarantees and warranties should be clearly stated. This data shall be in sufficient detail to describe accurately the equipment or material to be furnished. Manufacturer's specifications, in respect to the successful bidder, shall be considered as part of his contract with the City of Tulsa.
5. The bidder shall show in the proposal both the unit prices and total amount, where required, of each item listed. In the event of error or discrepancy in the mathematics, the unit prices shall prevail.
6. Any exceptions or deviations from written specifications shall be shown in writing and attached to the bid form.
7. Each bidder agrees to comply with the terms of Title 5, Chapter 1, of Tulsa, Oklahoma Charter and revised ordinances relating to equal employment opportunity.
8. **THE ENCLOSED FORMS REGARDING NON-COLLUSION AND FINANCIAL INTEREST MUST BE SIGNED, NOTARIZED, AND RETURNED WITH THE BID.**
9. The City of Tulsa reserves the right to reject any and all bids, to waive any technicalities in the bidding, and to award each item to different bidders or all items to a single bidder.
10. All bids must be accompanied by bidders bond, cash, certified or cashier's check in the amount shown on the face of the bid form. This amount shall be retained by the City of Tulsa as liquidated damages in the event the successful bidder (or bidders) fails to execute a contract, if required. The bidder agrees that said amount is presumed to be the damages sustained by the City due to the impracticability and extreme difficulty in fixing the actual damages. The office of the City Clerk will return the bid deposits to the unsuccessful bidders, after a contract has been awarded or all bids have been rejected.
11. In the event cash discounts are offered by the bidder, the discount date shall begin with the date of invoice, the date of receipt of all material covered by the purchase order, or the date of receipt by the City of Tulsa of the original copy of the purchase order with properly executed Affidavit of Claimant, whichever is the later date.
12. Direct purchase of certain items of equipment or material by the City of Tulsa are exempt from Federal Excise Tax and Oklahoma Sales Tax. In such cases the bidder shall quote prices which do not include Federal Excise Tax and Oklahoma Sales Tax. The City of Tulsa will furnish executed exemption certificates upon presentation by the bidder at the time of purchase.
13. Bid must show number of days required for delivery under normal conditions. Failure to state delivery time obligates bidder to complete delivery in fourteen (14) calendar days. Unrealistically short or long delivery promises may cause bid to be disregarded. Contractor must keep Purchasing Department advised at all times of status of order. Default in promised delivery or failure to meet specifications authorizes the Purchasing Agent to purchase supplies elsewhere and charge full increase of cost and handling to defaulting contractor. Consistent failure to meet delivery promises without valid reason may cause removal from bid list.
14. Bidder agrees to defend and save City of Tulsa from and against all demands, claims, suits, costs, expenses, damages and judgments based upon infringement of any patent relating to goods specified in this order or the ordinary use or operation of such goods by City or use or operation of such goods in accordance with bidders direction.
15. If the bid requires a written contract, the successful bidder shall execute a written contract with the City of Tulsa and return the required bonds and insurance certificates within ten (10) days after submission of contracts to said bidder by the City.

INTEREST AFFIDAVIT

STATE OF _____ }
 } ss
COUNTY OF _____ }

_____, of lawful age, being first duly sworn, states that s(he) is the agent authorized by the bidder to submit the attached bid. Affiant further states that no officer or employee of the City of Tulsa either directly or indirectly, owns a twenty-five percent (25%) interest in the bidder's business or such a percentage which constitutes a controlling interest. Affiant further states that the following officers and/or employees of the City of Tulsa have some direct or indirect interest in the bidder's business:

By _____
(Signature)

(Title)

Subscribed and sworn to before me this _____ day of _____, 19_____.

NOTARY PUBLIC SIGNATURE

My Commission Expires:

The Interest Affidavit must be completed, signed by an authorized agent, and notarized.

BIDDER AFFIDAVIT - TITLE 74 O.S. (1974 SUPP.) 85.22-85.25

STATE OF _____ COUNTY OF _____

_____, of lawful age, being first duly sworn on oath says
Authorized Agent

1. (s)he is the duly authorized agent of _____, the bidder submitting the competitive bid which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and municipal officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to the bid to which this statement is attached.
2. (s)he is fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and has been personally and directly involved in the proceedings leading to the submission of such bid; and
3. neither the bidder nor anyone subject to the bidder's direction or control has been a party;
 - a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
 - b. to any collusion with any municipal official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of such prospective contract, nor
 - c. in any discussions between bidders and any municipal official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

SIGNATURE OF AUTHORIZED AGENT

Subscribed and sworn to before me this _____ day of _____, 19_____.

Signature of Notary Public

MY COMMISSION EXPIRES

The Bidder Affidavit must be completed, signed by an authorized agent, and notarized.

CONTRACTOR/BIDDER INFORMATION SHEET
To be completed by all Bidders
For Contracts with the City of Tulsa
(Please print or type)

Project No. or Description _____

Full Name of Bidder _____

Legal Identity
(Corporation, Partnership,
Individual, etc.) _____

Address _____

Telephone No. _____

FAX No. _____

Taxpayer Identification Number _____

Contact Person _____

Phone No. _____

Fax No. _____

E-mail address _____

Webpage Address _____

Price Sheet Summary

Vendor Name: _____ Signature: _____
Date: _____

You will be able to obtain a copy of the Bid Summary on the City of Tulsa's Purchase-Net Fax-on-Demand and Website shortly after bid opening.

BID 01-519

| <u>Qty</u> | <u>Description</u> | <u>Unit Cost</u> | <u>Total Cost</u> |
|------------|--------------------|------------------|-------------------|
|------------|--------------------|------------------|-------------------|

BIDDER AGREES TO FURNISH THE FOLLOWING IN ACCORDANCE WITH THE MINIMUM BID SPECIFICATIONS AT THE PRICES SHOWN:

ITEM 1

ONE (1) OR MORE MID MOUNT ARTICULATED 17FT BOOM: \$ _____ EACH

MAKE AND MODEL: _____

For further information please contact: Jim LaCourse @918-591-4068

BID 01-519
MID MOUNT ARTICULATED 17' BOOM
PUBLIC WORKS DEPARTMENT

INTENT

THE INTENT OF THESE SPECIFICATIONS IS TO SET MINIMUM REQUIREMENTS, NOT TO OTHERWISE LIMIT BIDDING FOR THE SUPPLY OF ONE (1) **OR MORE MID MOUNT ARTICULATED 17FT BOOM** FOR THE CITY OF TULSA.

INASMUCH AS SOME DESIGNS OF EQUIPMENT VARY AMONG DIFFERENT MANUFACTURERS, THE CITY MAY ACCEPT BIDS ON EQUIPMENT WITH MINOR DEVIATIONS TO THE WRITTEN SPECIFICATIONS. GENERALLY, A MINOR DEVIATION IS DEFINED AS A DEVIATION WHICH DOES NOT: (A) MATERIALLY AFFECT THE ABILITY OF THE PRODUCT TO ACHIEVE OR ACCOMPLISH A NECESSARY FUNCTION OR TASK IN THE MANNER REQUIRED BY THE SPECIFICATIONS; (B) COMPROMISE THE SAFETY OF THE USER THEREOF; AND, (C) PRODUCE HIGHER LATENT OR PATENT COSTS TO THE CITY IN ANY OF A MULTIPLICITY OF WAYS. THE CITY OF TULSA SPECIFICALLY RESERVES THE RIGHT TO MAKE THE FINAL JUDGMENT CONCERNING WHAT IS OR IS NOT A MINOR DEVIATION AND TO AWARD THE BIDDER(S) WHOSE BID(S) BEST SUIT THE CITY'S NEED FOR THE PRODUCT BEING PURCHASED.

WARRANTY

THE MANUFACTURER SHALL WARRANT EACH BOOM TO BE OF GOOD MATERIAL AND WORKMANSHIP AND AGREES TO PROMPTLY REPLACE ANY PART OR PARTS, WHEN THE EQUIPMENT IS RETURNED TO THE PLACE OF BUSINESS, WHICH BY REASON OF DEFECTIVE MATERIALS OR WORKMANSHIP SHALL FAIL UNDER NORMAL USE, FREE OF NEGLIGENCE OR ACCIDENT, FOR A MINIMUM PERIOD OF 12 MONTHS, WHICHEVER OCCURS FIRST FROM THE DATE OF DELIVERY. ALL LABOR, PARTS, MATERIALS AND/OR SUPPLIES AND TRANSPORTATION SHALL BE SUPPLIED BY THE SUCCESSFUL BIDDER AT NO COST TO THE CITY. IN THE EVENT THAT REPAIRS BECOME NECESSARY DUE TO NEGLIGENCE OR ACCIDENTS THE SUCCESSFUL BIDDER WILL PROVIDE REPAIRS AT A PREDETERMINED COST PLUS RATE. THE CITY OF TULSA SHALL EXPECT THE MANUFACTURER TO HAVE AN ADEQUATE STOCK OF REPLACEMENT PARTS AVAILABLE TO SERVICE CITY EQUIPMENT AND TO MAKE DELIVERY WITHIN A REASONABLE TIME OF ALL NORMAL REPLACEMENT PARTS TO THEIR DEALERS WHO SERVICE THE CITY'S EQUIPMENT.

METHODS OF SAMPLING, INSPECTIONS & TESTS

1. AFTER BID RESULTS ARE TABULATED, THE CITY OF TULSA PURCHASING DIVISION RESERVES THE RIGHT TO REQUIRE SAMPLES OF SELECTED EQUIPMENT FOR INSPECTION AND EVALUATION. SAMPLES MAY BE DEMONSTRATOR MODELS WITH EQUIPMENT SIMILAR BUT NOT NECESSARILY IDENTICAL TO THAT LISTED IN THIS SPECIFICATION.
2. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR PURCHASE ORDER, THE SUPPLIER SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF ALL INSPECTION AND TEST REQUIREMENTS NECESSARY TO INSURE COMPLIANCE WITH REQUIREMENTS FOR THIS SPECIFICATION. THIS DOES NOT PRECLUDE SUBSEQUENT INSPECTION AND TESTIMONY BY THE CITY OF TULSA TO FURTHER DETERMINE CONFORMANCE WITH SPECIFICATION REQUIREMENTS OF QUALITY STANDARDS OF WORKMANSHIP, MATERIAL AND CONSTRUCTION TECHNIQUES.

PREPARATION FOR DELIVERY

PRE-DELIVERY SERVICING AND ADJUSTMENT: PRIOR TO ACCEPTANCE BY THE CITY, THE DEALER SHALL SERVICE AND ADJUST EACH LOADER FOR OPERATIONAL USE.

DELIVERY AND SPECIAL INSTRUCTIONS

THE SUCCESSFUL BIDDER(S) SHALL DELIVER ALL EQUIPMENT, AT THEIR EXPENSE, TO THE LOCATION(S) SPECIFIED BY THE CITY.

ADDENDA AND INTERPRETATIONS

IF IT BECOMES NECESSARY TO REVISE ANY PART OF THIS BID, A WRITTEN ADDENDUM WILL BE PROVIDED TO ALL THE BIDDERS. THE CITY OF TULSA IS NOT BOUND BY ANY ORAL REPRESENTATION, CLARIFICATIONS OR CHANGES MADE IN THE WRITTEN SPECIFICATIONS BY CITY OF TULSA EMPLOYEES UNLESS SUCH CLARIFICATION OR CHANGE IS PROVIDED TO BIDDERS IN WRITTEN ADDENDUM FORM FROM THE PURCHASING DIVISION.

ALTERING BIDS

BIDS CANNOT BE ALTERED OR AMENDED AFTER SUBMISSION DEADLINE. ANY INTERLINEATION, ALTERATION, OR ERASURE MADE BEFORE OPENING TIME AND DATE MUST BE INITIALED BY THE SIGNER OF THE BID, GUARANTEEING AUTHENTICITY. BIDS MUST BE SUBMITTED IN INK OR TYPEWRITTEN, PENCILING WILL NOT BE ACCEPTED.

DESCRIPTIVE LITERATURE

EACH BIDDER IS REQUIRED TO FURNISH WITH THEIR BID, CATALOG CUTS AND/OR DESCRIPTIVE LITERATURE, PROPERLY LABELED WITH THE BID NUMBER AND BIDDER'S NAME, WITH FULL ILLUSTRATIONS AND DETAILED SPECIFICATIONS FOR EACH ITEM OFFERED AS EQUAL TO THE BRAND NAME SPECIFIED. IN ADDITION, **ALL DIFFERENCES IN SPECIFICATIONS FROM THE SPECIFICATIONS STATED HEREIN MUST BE SO MARKED.** DESCRIPTIVE LITERATURE IS REQUIRED TO ESTABLISH, FOR THE PURPOSE OF BID EVALUATION AND AWARD, DETAILS OF THE PRODUCT(S) THE BIDDER PROPOSES TO FURNISH AS TO DESIGN, MATERIALS, METHOD OF MANUFACTURE, CONSTRUCTION, ASSEMBLY OR OPERATION, AS APPROPRIATE. **FAILURE TO SUBMIT THE DESCRIPTIVE LITERATURE MAY BE CAUSE FOR REJECTION OF YOUR BID.**

AMERICANS WITH DISABILITIES ACT

THE CONTRACTOR SHALL TAKE THE NECESSARY ACTIONS TO ENSURE ITS FACILITIES AND EQUIPMENT ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT. IT IS UNDERSTOOD THAT THE PROGRAM OF THE CONTRACTOR IS NOT A PROGRAM OR ACTIVITY OF THE CITY OF TULSA. THE CONTRACTOR AGREES THAT ITS PROGRAM OR ACTIVITY WILL COMPLY WITH THE REQUIREMENTS OF THE ADA. ANY COSTS OF SUCH COMPLIANCE WILL BE THE RESPONSIBILITY OF CONTRACTOR. UNDER NO CIRCUMSTANCES WILL CONTRACTOR CONDUCT ANY ACTIVITY WHICH IT DEEMS TO NOT BE IN COMPLIANCE WITH THE ADA.

BIDDER'S PROPOSAL COLUMN

BIDDER SHALL COMPLETE EVERY SPACE IN SECTION 2, BIDDER'S PROPOSAL COLUMN. THE BIDDER SHALL GIVE A COMPLETE DESCRIPTION OF THE ITEM BEING BID SUCH AS, SIZES, CAPACITIES, DIMENSIONS, ETC. **MARKINGS SUCH AS CHECKS AND BLANK SPACES WILL BE CONSIDERED AS NON-RESPONSIVE AND REASON FOR REJECTION.** THE WORD **COMPLY** WILL BE INTERPRETED AS MEANING THE **SAME** AS SPECIFIED.

EMPLOYMENT DISCRIMINATION BY CONTRACTOR PROHIBITED

A. DURING THE PERFORMANCE OF THIS CONTRACT, THE CONTRACTOR AGREES AS FOLLOWS:

(1) THE CONTRACTOR WILL NOT DISCRIMINATE AGAINST ANY EMPLOYEE OR APPLICANT FOR EMPLOYMENT BECAUSE OF RACE, RELIGION, COLOR, SEX OR NATIONAL ORIGIN, EXCEPT WHERE RELIGION, SEX OR NATIONAL ORIGIN IS A BONA FIDE OCCUPATIONAL QUALIFICATION REASONABLY NECESSARY TO THE NORMAL OPERATION OF THE CONTRACTOR. THE CONTRACTOR AGREES TO POST IN CONSPICUOUS PLACES, AVAILABLE TO EMPLOYEES AND APPLICANTS FOR EMPLOYMENT, NOTICES SETTING FORTH THE PROVISION OF THIS NON-DISCRIMINATION CLAUSE.

(2) THE CONTRACTOR, IN ALL SOLICITATIONS OR ADVERTISEMENTS FOR EMPLOYMENT PLACED BY OR ON BEHALF OF THE CONTRACTOR, WILL STATE THAT SUCH CONTRACTOR IS AN EQUAL OPPORTUNITY EMPLOYER.

(3) NOTICES, ADVERTISEMENTS AND SOLICITATIONS PLACED IN ACCORDANCE WITH FEDERAL LAW, RULE OR REGULATION SHALL BE DEEMED SUFFICIENT FOR THE PURPOSE OF MEETING THE REQUIREMENTS OF THIS SECTION.

(4). THE CONTRACTOR WILL INCLUDE THE PROVISION OF THE FOREGOING PARAGRAPHS OF THIS SECTION IN EVERY SUBCONTRACT OR PURCHASE ORDER OF OVER \$10,000, SO THAT THE PROVISIONS WILL BE BINDING UPON EACH SUBCONTRACTOR OR VENDOR.

AWARD OF BID

THE BID SHALL BE AWARDED TO THE FIRM WHOSE PROPOSAL IS RESPONSIVE TO THE BID AND IS MOST ADVANTAGEOUS TO THE CITY, CONSIDERING THE FACTORS IDENTIFIED IN THE BID AND SECTION 406E OF TITLE 6, THE PURCHASING ORDINANCE SET FORTH BELOW:

E. AWARD OF CONTRACT.

1. AUTHORITY OF MAYOR. THE MAYOR SHALL HAVE THE AUTHORITY TO AWARD CONTRACTS WITHIN THE PURVIEW OF THIS CHAPTER.

2. LOWEST SECURE BIDDER. CONTRACTS SHALL BE AWARDED TO THE LOWEST SECURE BIDDER MEETING SPECIFICATIONS. IN DETERMINING "LOWEST SECURE BIDDER", IN ADDITION TO PRICE, THE FOLLOWING FACTORS SHALL BE CONSIDERED:

A. THE ABILITY, CAPACITY AND SKILL OF THE BIDDER TO PERFORM THE CONTRACT OR PROVIDE THE SERVICE REQUIRED;

B. WHETHER THE BIDDER CAN PERFORM THE CONTRACT OR PROVIDE THE SERVICE PROMPTLY OR WITHIN THE TIME SPECIFIED, WITHOUT DELAY OR INTERFERENCE;

C. THE CHARACTER, INTEGRITY, REPUTATION, JUDGMENT, EXPERIENCE AND EFFICIENCY OF THE BIDDER;

D. THE QUALITY OF PERFORMANCE OF PREVIOUS CONTRACTS OR SERVICES;

E. THE PREVIOUS AND EXISTING COMPLIANCE BY THE BIDDER WITH LAWS AND ORDINANCES RELATING TO THE CONTRACT OR SERVICE;

F. THE SUFFICIENCY OF THE FINANCIAL RESOURCES AND ABILITY OF THE BIDDER TO PERFORM THE CONTRACT OR PROVIDE THE SERVICE;

G. THE QUALITY, AVAILABILITY AND ADAPTABILITY OF THE SUPPLIES OR CONTRACTUAL SERVICES TO THE PARTICULAR USE REQUIRED;

H. THE ABILITY OF THE BIDDER TO PROVIDE FUTURE MAINTENANCE AND SERVICE FOR THE USE OF THE SUBJECT OF THE CONTRACT, AND;

I. WHERE AN EARLIER DELIVERY DATE WOULD BE OF GREAT BENEFIT TO THE REQUISITIONING AGENCY, THE DATE AND TERMS OF DELIVERY MAY BE CONSIDERED IN THE BID AWARD, AND;

J. THE NUMBER AND SCOPE OF CONDITIONS ATTACHED TO THE BID.

K. IF A POINT SYSTEM HAS BEEN UTILIZED IN THE BID SPECIFICATIONS, THE NUMBER OF POINTS EARNED BY THE BIDDER.

MID-MOUNT, ARTICULATED BOOM 17'

BIDDER SHALL COMPLETE EVERY SPACE IN SECTION 2 (BIDDER'S PROPOSAL COLUMN). THE BIDDER SHALL GIVE A COMPLETE DESCRIPTION OF THE ITEM BEING BID, SUCH AS SIZES, CAPACITIES, DIMENSIONS, ETC.

GENERAL: THIS SPECIFICATION SHALL PROVIDE FOR A NEW, LATEST PRODUCTION MODEL FLEX WING CUTTER CAPABLE OF CUTTING A 180 INCH SWATH. CUTTER TO BE COMPLETE WITH MANUFACTURER'S STANDARD EQUIPMENT AND ACCESSORIES, FULLY SERVICED AND

READY TO OPERATE. TO INCLUDE MANUFACTURER'S WRITTEN CERTIFICATION OF WARRANTY. (WARRANTY SHALL BE THE STANDARD FOR THE INDUSTRY AS OFFERED TO THE GENERAL PUBLIC). EQUIPMENT TO BE LESS ALL APPLICABLE STATE AND FEDERAL TAXES. CUTTER TO MEET ALL FEDERAL AND STATE OF OKLAHOMA SAFETY STANDARDS AND REQUIREMENTS. Fill in all spaces showing specific information, failure to comply could result in bid rejection.

BIDDER'S PROPOSAL: MAKE: _____ MODEL: _____

| SECTION ITEM | MINIMUM REQUIREMENTS | BIDDER'S PROPOSAL |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| FRAME | FULL LENGTH 4" X 4" SQUARE TUBING STEEL MOUNTED TO FRONT AXLE MOUNTING FRAME AND REAR AXLE. (SPECIFICALLY EXCLUDING FRAMEWORK BOLTING TO THE BELL HOUSING OF TRACTOR). MAIN FRAME: SADDLE MOUNT OVER HOOD OF TRACTOR TO 4" X 4" RAILS. | _____ _____ _____ _____ |
| HYDRAULIC RESERVOIR | MINIMUM 60 GALLONS. | _____ _____ |
| COUNTER WEIGHT | COUNTERWEIGHT: 1300 LBS. MINIMUM. | _____ |
| FILTER | SUCTION LINE SHALL BE 100 MESH. MAIN IN-TANK FILTER TO BE 10 MICRON, 95 GPM FULL FLOW WITH RESTRICTION GAUGE. | _____ _____ _____ |
| KING POST | SIZE: MINIMUM 4" SHAFT, 1020 STEEL, 48,000 LBS/SQ. IN. YIELD STRENGTH. BEARINGS: TAPERED ROLLER - 3" I.D. (GREASABLE), BEARINGS BASIC LOAD RATING 26,000 LBS. TURNING ARM WITH REPLACEABLE, GREASABLE BUSHING. | _____ _____ _____ _____ |
| BOOM ARM | BOOM ARM: 17', TWO PIECE. INNER BOOM: 6" X 6" X 1/4" WALL. OUTER BOOM: 5"X 5" X 1/4" WALL SQUARE TUBING 50,000 LBS/SQ. IN. YIELD STRENGTH. HORIZONTAL BOOM SWING: HYDRAULICALLY OPERATED 120 DEGREES. (UNITS WITH LESS THAN 120 DEGREE SWING, AND ARE UNABLE TO SWING 105 DEGREE TO THE REAR OR FRONT FOR TRANSPORT, WILL NOT BE ACCEPTED ON THIS SPEC.) | _____ _____ _____ _____ _____ _____ |
| BOOM REACHING CAPACITIES (WITH 60" BOOM AXE HEAD) | MINIMUM UP: 19' 6". MINIMUM OUT: 18' 9". MINIMUM DOWN: 8' 9". BOOM MOWER CAPABLE OF MOWING EVEN WITH REAR TRACTOR TIRE. NOTE: MEASUREMENTS BASED ON 96" (OUTSIDE MEASUREMENTS) TIRE SPREAD WITH 18.4 X 30 TIRES. FOUR (4) BAR LINKAGE TO HEAD ALLOWING 220 ROTATION. | _____ _____ _____ _____ _____ _____ |
| HYDRAULICS | PUMP: STEEL GEAR. GPM: 51 AT 2400 RPM. DRIVE SHAFT ASSEMBLY RATED MINIMUM 242 FT. LBS. TORQUE. (REAR PTO PUMP DRIVES AVAILABLE). SUCTION LINE: 1-1/2". MOTOR CIRCUITS HOSES: 1-1/4". BOOM LINES TO BE 1-1/4" STEEL. INNER BOOM TO HAVE METAL LINES FASTENED TO THE OUTSIDE REAR OF BOOM. VALVE (TO MOWER HEAD): TWO POSITION | _____ _____ _____ _____ _____ _____ |

| | | |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| | (ELECTRIC SOLENOID CONTROLLED WITH DIRECT ACTING RELIEF VALVE) 1-1/4" PORTING, 2500 PSI. THE OUTER BOOM TO HAVE METAL LINES FASTENED TO THE INSIDE OF BOOM FOR GREATER PROTECTION AGAINST BEING DAMAGED BY BRUSH. HOSES FROM BOOM TO DECK TO BE 1-1/4" WITH FLEXIBLE METAL SHIELDING TO GIVE HOSES ADDED PROTECTION FROM BEING DAMAGED BY BRUSH. | _____ |
| VALVE (CYLINDER CONTROLS) | 4-SPOON - OPEN CENTER - TAPERED POSITIVE METERING TYPE - ADJUSTABLE MAIN RELIEF VALVE. BOOM MOVEMENT CYLINDERS (LIFT, SWING AND DIPPER) TO HAVE INDIVIDUAL WORK PORT RELIEF VALVES TO GIVE INDIVIDUAL BREAKAWAY PROTECTION. | _____ |
| SAFETY CAGE | A SAFETY CAGE SHALL BE INSTALLED ON RIGHT SIDE AND TOP OF OPERATOR'S POSITION. THIS PROTECTIVE SCREEN SHALL BE CONSTRUCTED OF EXPANDED METAL AND PERMANENTLY MOUNTED TO THE TRACTOR. | _____ |
| BOOM REST | A BOOM REST SHALL BE INSTALLED ON THE ROPS, REAR AXLE OR MOWER FRAME TO CRADLE THE BOOM WHEN IT IS PLACED IN A TRANSPORT POSITION. BOOM REST MUST TAKE PRESSURE OFF OF CYLINDERS TO MINIMIZE WEAR IN TRANSPORT. | _____ |
| DECK | WIDTH: 5' (60") MIN. MATERIAL: DECK: 10 GAUGE. SIDES: 3/8". REINFORCEMENT: TOP OF DECK 3/8" X 3" FLAT BAR X FRAME WITH REINFORCED SPINDLE MOUNT PLATE 1/2" X 12" X 20" LONG AND BOTTOM PLATE 1/2" X 9" X 9". REPLACEABLE FULL-LENGTH SKID SHOES. | _____ |
| DECK ROTATION | 220 DEGREES. | _____ |
| SPINDLE | 4-1/2" X 9" ALLOY STEEL - SPLINED, ANNEALED 4140 ALLOY 60, 500 LBS/SQ. IN YIELD STRENGTH. BEARINGS: TAPERED ROLLER 2" I.D. TOP AND 2-5/8" I/D BOTTOM IN OIL BATH. HOUSING: 1030 CAST STEEL UNIBODY. | _____ |
| MOTOR TO SPINDLE DRIVE | SPLINED, DIRECT DRIVE, ENCLOSED. (SPECIFICALLY EXCLUDING CHAIN OR DODGE COUPLERS). | _____ |
| BLADE BAR & BLADES | 3-LEAF, STACKED AND BOLTED. BOTTOM LEAF: 41-3/4" X 5" X 7/8" T-1 STEEL. CENTER LEAF: 29-5/16" X 5" X 7/8" STEEL. TOP LEAF: 16-7/8" X 5" X 7/8" STEEL. | _____ |
| BLADES | FULL SWING (360 DEGREES). DIMENSIONS: 5/8" X 5" X 14-5/8". DOUBLE EDGE, TEMPERED STEEL, HARDNESS 38-44 RC. BLADE BOLTS: HEAT-TREATED, 1-1/8" X 3/, SHOULDERED - GRADE 8 - WITH CASTELLATED NUT, LOCK WASHER AND ROLL PIN. | _____ |
| MOTOR | STEEL GEAR TYPE. MAXIMUM RATING: 90 HP, 2500 RPM, 2500 PSI. SPINDLE RPM: 1240 AT 38 GPM FROM PUMP. | _____ |

17' BOOM TYPICAL REACHES

