

<b>SUBMIT BIDS TO:</b>	CITY OF TUSCALOOSA P.O. BOX 2089 TUSCALOOSA, AL 35403	PURCHASING OFFICE 2201 UNIV. BLVD. TUSCALOOSA, AL 35401	<b>INVITATION TO BID</b>								
<b>BID TITLE</b> <b>KNUCKLE BOOM TRUCKS</b>			<b>BID NO.</b> 9061-021422-2								
<b>PAGE 1 OF</b> <u>  9  </u> PAGES	<b>BIDS WILL BE OPENED AT 11:00 AM ON FEBRUARY 14, 2022 IN THE OFFICE OF THE PURCHASING AGENT, 2201 UNIVERSITY BLVD. TUSCALOOSA, AL 35401 AND MAY NOT BE WITHDRAWN FOR THIRTY (30) DAYS AFTER SUCH DATE &amp; TIME.</b>		<b>ISSUE DATE</b> 01/14/22								
 <p style="text-align: center;"><u>MAYOR</u> WALTER MADDOX</p> <p style="text-align: center;"><u>COUNCIL MEMBERS</u></p> <table style="width: 100%; border: none;"> <tr> <td>MATTHEW WILSON</td> <td>KIP TYNER</td> </tr> <tr> <td>RAEVAN HOWARD</td> <td>JOHN FAILE</td> </tr> <tr> <td>NORMAN CROW</td> <td>CASSIUS LANIER</td> </tr> <tr> <td>LEE BUSBY</td> <td></td> </tr> </table> <p style="text-align: center;"><u>PURCHASING AGENT</u> AMANDA GANN</p>		MATTHEW WILSON	KIP TYNER	RAEVAN HOWARD	JOHN FAILE	NORMAN CROW	CASSIUS LANIER	LEE BUSBY		<p><b>Vendor Information</b> (SECTION TO BE COMPLETED BY VENDOR)</p> <hr/> <p>Company Name (Please Print)</p> <hr/> <p>Phone Number <span style="float: right;">Point of Contact</span></p> <hr/> <p>Email Address</p>	
MATTHEW WILSON	KIP TYNER										
RAEVAN HOWARD	JOHN FAILE										
NORMAN CROW	CASSIUS LANIER										
LEE BUSBY											

GENERAL CONDITIONS OF INVITATIONS TO BID

**1. PREPARATION OF BIDS**

Bids will be prepared in accordance with the following:

- (a) Our enclosed Bid forms are to be used in submitting your bid.
- (b) All information required by the Bid form shall be furnished. The bidder shall print or type his name and manually sign the schedule and each continuation sheet on which any entry is made.
- (c) Unit prices shall be shown and where there is an error in extension of price, the unit price shall govern.
- (d) Proposed delivery time must be shown and shall include Sundays and holidays.
- (e) Bidder will not include federal taxes nor State of Alabama sales, excise, and use taxes in bid prices as the City is exempt from payment of such taxes. An exemption certificate will be signed where applicable upon request.
- (f) Bidders shall thoroughly examine the drawings, specifications, schedule, instructions and all other contract documents.
- (g) Bidders shall make all investigations necessary to thoroughly inform themselves regarding plant and facilities for delivery of material and equipment as required by the bid conditions. No plea of ignorance by the bidder of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the bidder to make the necessary examinations and investigations, or failure to fulfill in every detail the requirements of the contract documents, will be accepted as a basis for varying the requirements of the City or the compensation to the vendor.
- (h) Bidders are advised that all City Contracts are subject to all legal requirements provided for in the Purchasing ordinance and/or State and Federal Statutes.

**2. DESCRIPTION OF SUPPLIES**

- (a) Any manufacturer's names, trade names, brand name, or catalog numbers used in specifications are for the purpose of describing and establishing general quality levels. SUCH REFERENCES ARE NOT INTENDED TO BE RESTRICTIVE. Bids will be considered for any brand which meets the quality of the specifications listed for any items.
- (b) Bidders are required to state exactly what they intend to furnish, otherwise they shall be required to furnish the items as specified.
- (c) Bidders will submit, with their proposal, data necessary to evaluate and determine the quality of the item(s) they are bidding.

**3. SUBMISSION OF BIDS**

- (a) Bids and changes thereto shall be enclosed in sealed envelopes addressed to Amanda Gann, Purchasing Agent, 2201 University Blvd., Tuscaloosa, Alabama 35401. The name and address of the bidder, the date and hour of the bid opening and the material or service bid on shall be placed on the outside of the envelope.
- (b) Bids must be submitted on the forms furnished. Telegraphic bids will not be considered.

**4. REJECTION OF BIDS**

- (a) The City may reject a bid if:
  - 1. The bidder misstates or conceals any material fact in the bid, or if,
  - 2. The bid does not strictly conform to the law or requirement of bid, or if,
  - 3. The bid is conditional, except that the bidder may qualify his bid for acceptance by the City on an "all or none" basis, or a "low item" basis. An "all or none" basis bid must include all items upon which bids are invited.
- (b) The City may, however, reject all bids whenever it is deemed in the best interest of the City. The City may also waive any minor informalities or irregularities in any bid.

**5. WITHDRAWAL OF BIDS**


- (a) Bids may not be withdrawn after the time set for the bid opening for a period of time as specified.
- (b) Bids may be withdrawn prior to the time set for the bid opening.

**6. LATE BIDS OR MODIFICATIONS**

- (a) Bids and modifications received after the time set for the bid opening will not be considered.
- (b) Modifications in writing received prior to the time set for the bid opening will be accepted.

**7. CLARIFICATIONS OR OBJECTION TO BID SPECIFICATIONS**

If any person contemplating submitting a bid for this contract is in doubt as to the true meaning of the specifications or other bid documents of any part thereof, he may submit to the Purchasing Agent on or before five (5) days prior to scheduled opening a request for clarification. All such requests for information shall be made in writing and the person submitting the request will be responsible for its prompt delivery. Any objection to the specifications and requirements as set forth in this bid must be filed in writing with the Purchasing Agent on or before five (5) days prior to scheduled opening.

**8. DISCOUNTS**

- (a) Bidders may offer a cash discount for prompt payment; however, such discounts shall NOT be considered in determining the lowest net cost for bid evaluation purposes. Bidders are encouraged to reflect cash discounts in the unit prices quoted.
- (b) In connection with any discount offered, time will be computed from the date of receipt of supplies or services or from the date a correct invoice is received, whichever is the later date. Payment is deemed to be made on the date of mailing of the check.

**9. SAMPLES**

Samples, when required, must be submitted within the time specified at no expense to the City of Tuscaloosa. If not destroyed or used up during testing, samples will be returned upon request at the bidder's expense, unless stated otherwise in Special Conditions or Specifications. Each individual sample must be labeled with bidder's name and manufacturer's brand name and number.

**10. AWARD OF CONTRACT**

- (a) The contract will be awarded to the lowest responsible bidder based upon the following factors: quality; conformity with specifications; purpose for which required; terms of delivery; transportation charges; dates of delivery.
- (b) The city reserves the right to accept and award item by item, and/or by group, or in the aggregate, unless the bidder qualifies his bid by specified limitations. Re Par.4(a)3.
- (c) Prices quoted must be FOB Destination to Tuscaloosa with all transportation charges prepaid unless otherwise specified in the Invitation to Bid.
- (d) A written award of acceptance (Purchase Order), mailed or otherwise furnished to the successful bidder shall result in a binding contract.

**11. DELIVERY**

- (a) Deliveries are to be FOB Destination unless otherwise specified in the Invitation to Bids.
- (b) Deliveries are to be made during regular business hours.

**12. CONDITION OF MATERIALS AND PACKAGING**

All items furnished must be new and free from defects. No others will be accepted under the terms and intent of this bid. All containers shall be new and suitable for storage or shipment, and price bid shall include standard commercial packaging.

**13. CLAIMS**

Successful bidder(s) will be responsible for making any and all claims against carriers for missing or damaged items.

**14. LOCAL, STATE, AND FEDERAL COMPLIANCE REQUIREMENTS**

Bidders shall comply with all local, state, and federal directives, orders and laws as applicable to this bid and subsequent contract(s).

**15. PROVISION FOR OTHER AGENCIES**

Unless otherwise stipulated by the bidder, the bidder agrees when submitting his bid to make available to all City agencies, departments, and in-city municipalities the bid prices he submits, in accordance with the bid terms and conditions, should any said department, agency, or municipality wish to buy under this proposal.

**16. COLLUSION**

The bidder, by affixing his signature to this proposal, agrees to the following: "Bidder certifies that his bid is made without previous understanding, agreement, or connection with any person, firm, or corporation making a bid for the same items and is in all respects fair, without outside control, collusion, fraud, or otherwise illegal action".

**17. VARIANCE IN CONDITIONS**

Any and all special conditions and specifications attached hereto which vary from General Conditions shall have precedence.

**18. MINORITY / DISADVANTAGED BUSINESS ENTERPRISE PROGRAM**

The City of Tuscaloosa has voluntarily adopted a Minority / Disadvantaged Business Enterprise ("MBE/DBE/WBE") Program called Tuscaloosa Builds, which is designed to encourage the participation and development of minority and disadvantaged business enterprises and to promote equal business opportunities to the fullest extent allowed by state and federal law. To learn more about this program, visit the City's website at [www.tuscaloosa.com](http://www.tuscaloosa.com).

\*\* PRELIMINARY BID TAB WILL BE POSTED ON THE CITY'S WEBSITE ONCE AVAILABLE at <https://www.tuscaloosa.com/bids>.


## **SPECIAL CONDITIONS**

**The General Conditions of Invitations to Bid and any Special Conditions stated shall be considered as part of the specifications of the bid.**

Reference to brand names and numbers is descriptive, but not restrictive, unless otherwise specified. Bids on equivalent items meeting the standards of quality thereby indicated will be considered, providing the bid clearly describes the article offered and indicates how it differs from the referenced brands. Descriptive literature and manufacturer's specifications plus any supplemental information necessary for comparison purposes must be submitted with the bid or the bid on that item will be rejected. Reference to literature submitted with a previous bid or on file with the Division of Purchasing will not satisfy this requirement. The burden is on the bidder to demonstrate that the item bid is equivalent to the item specified in the ITB. Any exceptions taken to any item(s) must be fully explained in written detail on bidders' letterhead and attached to the bid when submitted.

Title fee and any factory incentives or rebates should be reflected in the total price.

Awards shall be made or contracts entered into with the lowest responsible bidder(s) meeting all specifications and terms and conditions established by the Division of Purchasing. The Division of Purchasing reserves the right to determine the lowest responsible bidder on the basis of an individual item or group of items. Delivery dates may be a factor in awards.

Questions concerning the bid process should be directed to Amanda Gann at (205) 248-5173 or [agann@tuscaloosa.com](mailto:agann@tuscaloosa.com) (e-mail is preferred). Questions concerning Specifications should be directed to Amy Whitson at (205) 248-5251 or [awhitson@tuscaloosa.com](mailto:awhitson@tuscaloosa.com).

Any addenda issued for this bid will be posted on the City Of Tuscaloosa website at <http://www.tuscaloosa.com/bids>. It is the responsibility of the bidder to check this page for any addendums before submitting their bid.

### **Bid Documents include:**

1. Completed bid submission via the fillable PDF provided or typed text.
  - a. Signed and completed General Condition pages
  - b. Signed Special Conditions page
  - c. Signed Bid Submission & COVID-19 Information page
  - d. Completed and signed Specifications & Detailed Minimum Pages
  - e. Any necessary literature and/or specifications outlined in this document
  - f. Any additional information, forms, or documents that is detailed in this document
  - g. Completed and signed Bidder's Response Form
  - h. When applicable, completed and signed Addendums
2. Provide completed certified W9, which a template can be found at <https://www.irs.gov/pub/irs-pdf/fw9.pdf>.
3. Vendor must submit an original bid and one complete copy or the bid may be rejected.

**NOTE: Sheet(s) submitted without Company Name & Signature WILL NOT be considered for bid award.**

Preliminary bid tab will be posted on the city's website once available at <https://www.tuscaloosa.com/bids>.


## BID SUBMISSION & IMPORTANT COVID-19 INFORMATION

### Electronic Submissions

Submission of the bid documents as .pdf files can now be done at [www.centralbidding.com](http://www.centralbidding.com). For any questions about the electronic bid document submission process, please contact City of Tuscaloosa Purchasing or Central Bidding at 225-810-4814 or [support@centralbidding.com](mailto:support@centralbidding.com).

### Submitting Bids by Mail/Package Carrier

Bidders who submit bids by mail or package carriers should do the following:

1. Correctly label the outer envelope as instructed in this bid document to insure proper identification and delivery to Purchasing.
2. Use a shipping method that includes tracking information and an estimated delivery time. USPS standard mailing without tracking is not recommended.
3. Do not wait until the last minute. Allow at least a day's cushion in case deliveries are delayed unexpectedly.

### **Bid submissions shall be submitted in a sealed envelope and addressed to:**

Amanda Gann, Purchasing Agent, 2201 University Blvd., Tuscaloosa, AL 35401.

The name and address of the bidder, the date and hour of the bid opening and the Bid Title shall be placed on the outside of the envelope. Failure to properly address and label sealed envelope may result in bid rejection.

Note: Keep in mind that the City is not responsible for deliveries from mail/package carriers that are delivered after the bid deadline.

### Submitting Bids by Hand

Bidders submitting bids by hand must enter at the City Hall complex entrance located on the 4<sup>th</sup> level of the City's Intermodal Facility parking deck; the entrance to the deck is located on 7<sup>th</sup> Street beside Government Plaza. Bidders are to turn in bids to the security guard on duty at the desk. Security will notify Purchasing that a bid has been turned in.

### **Bid submissions shall be submitted in a sealed envelope and addressed to:**

Amanda Gann, Purchasing Agent, 2201 University Blvd., Tuscaloosa, AL 35401.

The name and address of the bidder, the date and hour of the bid opening and the Bid Title shall be placed on the outside of the envelope. Failure to properly address and label sealed envelope may result in bid rejection.

Note: Masks/face coverings may be required for entry into areas inside City Hall.

### Bid Opening & Potential Date Change

If bidders choose to attend the bid opening, only one representative per bidder will be allowed to attend. All attendees shall be healthy and display no symptoms of sickness. Social distancing of at least six (6) feet shall be maintained. Face coverings that fully cover the nose and mouth will be required while in certain areas of all City-owned/operated facilities.

Circumstances related to COVID-19 may warrant a change to the bid opening date. Any such date change will be published in an addendum and posted on our City's website at <https://www.tuscaloosa.com/bids>.

Bidders are advised to check this web page for any addendums prior to submitting their bids.

Bid results will be posted on the Bids page of the City's website and Central Bidding.


**SPECIFICATIONS**

It is the intent of these specifications to describe a Knuckle Boom Truck as needed by the City Of Tuscaloosa. These specifications are describing and stating the minimum requirements needed for equipment to perform necessary functions and tasks for various City departments.

The City intends to make an initial purchase of four (4) Knuckle Boom Trucks as a result of this bid.

**DETAILED MINIMUM SPECIFICATIONS**

Bids submitted that do not meet all of these minimum specifications, or equal to, are subject to bid rejection. Bidders stating equal to must provide documentation to support their statement. Bidder shall choose either "YES" or "NO" for each specification item listed below by placing a check mark in the appropriate box. This form must be correctly completed and returned in order to constitute a valid bid. Failure to do this will subject your bid to rejection. ALL NO ANSWERS MUST BE FULLY EXPLAINED ON BIDDER'S LETTERHEAD.

YES	NO	Line Item	Specifications
		1.	Year & Model – New & Unused. Current year model or newer with factory warranty.
			Knuckle Boom Truck Specifications
		2.	4x2
		3.	GVWR 35,000
		4.	Wheelbase to meet body manufacturer's requirements
		5.	Cummins L9 330 Engine
		6.	Allison 3500 RDS, 5th generation controls, wide ratio, 6-speed with double overdrive, with PTO provision
		7.	Front axle wide track I-beam type 12,000lb capacity
		8.	Rear axle single reduction 23,000lb capacity, driver controlled locking differential, 5.63 gear ratio
		9.	Conventional day cab, paint: White
		10.	Clearance/Marker lights (5 flush mounted)
		11.	Must have steps at doors and exterior grab handles at cab entry
		12.	Air conditioner
		13.	AM/FM radio with Bluetooth, USB and auxiliary port
		14.	Arm rest for driver seat
		15.	Power locks and windows
		16.	Column tilt
		17.	Side convex mirrors for wide loads
		18.	Air suspension driver seat and two-man passenger seat
		19.	Window tint 35%
		20.	Steel metal front bumper
		21.	Dual air brake suspension
		22.	Mud flaps for front wheels
		23.	7 way trailer connector with combined stop/turn
		24.	Backup alarm
		25.	Auxiliary AC compressor in secondary position
			Truck Mounted, Hydraulic Operated Knuckle Boom Trash Loader Specifications
			<i>Continued on the following pages</i>


YES	NO	Line Item	Specifications
		26.	<p><b>A-Frame</b> A-frame to be constructed of 21" wide I-beams at 50 pounds per foot. Top of frame to be constructed of 1.5" steel plate, surfaced and drilled to accommodate slewing ring bearing. Bottom of the frame to be constructed of 1" plate steel drilled to accommodate (8) 1" tie bolts. Tie bolts to be B7 cold roll with grade 8 nuts and washers. A-frame to be enclosed with two removable steel cover plates which will shield hydraulic valve and other components from operator. A-frame will incorporate manual stops to prevent continuous pedestal rotation. Stops to allow 320 degrees rotation minimum.</p>
		27.	<p><b>Pedestal Top</b> Pedestal top to be constructed of a 1.5" bottom plate surfaced and drilled to accommodate slewing ring bearing. Side uprights constructed of ¾" plate with bushings to accommodate main booms and main boom lift cylinder connections. Pedestal top to incorporate manual stops to prevent continuous boom rotation. Stops to allow 320 degrees rotation minimum. Pedestal top to incorporate a metal enclosure to cover slewing ring and 8" OD retaining tube.</p>
		28.	<p><b>Boom Rotation</b> Boom rotation to be accomplished utilizing a slewing ring bearing 2 ¾" thick and 22-7/8" diameter. Slewing bearing to have (40) 5/8" CAT grade 8 top and bottom bolts properly torqued. Bearing grease fitting marked and easily accessible. A while hydraulic motor will drive a pinion gear that will engage the outside diameter of the slewing ring producing boom swing. Pinion gear will attach to a 2 ¼" hardener tapered shaft minimum.</p>
		29.	<p><b>Main Boom</b> Main Boom to be constructed of (2) 4 x 8 x 3/8 wall tubes. Main boom to be of twin design and will incorporate a manual stop for tip boom to prevent tip cylinder from bottoming out in the extended position. Boom will have bushings to utilize a 2" main boom hinge pin, 2" tip boom cylinder connection pin, 1½" main boom cylinder connection pin and a 2¼" hardened tip boom hinge pin. All through boom, hydraulic tubes will be installed between and below the top surface of main boom tubes.</p>
		30.	<p><b>Tip Boom</b> Tip Boom to be constructed of a 4 x 6 x 3/8 wall tube. Tip boom will utilize a 2¼" hardened hinge pin with replaceable hardened bushings. Tip boom cylinder connection will have bushings to utilize a 1½" pin. Tip boom will have provision for connection of trash grapple with bushings to utilize a 1½" connecting bolt.</p>
		31.	<p><b>Boom Length</b> Total length of boom to be 18 feet.</p>
		32.	<p><b>Lifting Capacity</b> At sixteen feet (16') loader must lift 3,500 pounds "pay load" in addition to weight of grapple. Main boom must have two (2) cylinders with a minimum of 4" ID with locking valves.</p>
		33.	<p><b>Loader Stabilizers</b> Loader must be equipped with hydraulic operated stabilizers. Stabilizers to be positioned for maximum stability when lifting a 3,500 lb load at 16 feet. Stabilizers to be equipped with street pads and shall not be placed in such a manner to cause blocking of traffic, or create hazard in the street. Stabilizer cross tube to be mounted under truck frame. Cross tube size will be 7" x 7" x 3/8". Outside stabilizer tube will be 7" x 7" x 1/4". Inside stabilizer tube will be 6 x 6 x 3/8". Stabilizer cylinders will be mounted inside inner tubing and easily removed from the top of the stabilizer. Cylinders will not be exposed. Stabilizers will have a maximum of 10' spread in the down position.</p>
		34.	<p><b>Power Source</b> Unit to be mounted on any acceptable truck chassis utilizing a heavy duty hotshift PTO and direct mount single pump. Pump to produce a minimum of 20 gpm at 1200 rpm for smooth and efficient operation of loader. PTO controls will be integrated with truck chassis and will not engage unless truck chassis is in neutral and parking brake is set. An interruption of either of these conditions will terminate PTO operation.</p>


YES	NO	Line Item	Specifications
		35.	<p><b>Control valve</b> Unit to be equipped with a 7-section valve assembly. Control valve to be equipped with main pressure reducer and adequate port pressure reducers. Valve to be capable of hydraulic flows of up to 24 gpm and a main pressure setting of 2150 psi. Control valve to be mounted underneath of operators cab. Control valve mounted inside of cab is unacceptable.</p>
		36.	<p><b>Control valve controls</b> Unit to be equipped with manually operated control handles. Main loader control handles to be positioned between operators legs with outrigger controls mounted at floor level below seat and foot operated swing pedals mounted in floor of cab.</p>
		37.	<p><b>Operator's station</b> Unit to be equipped with enclosed cab. Cab to be located on curb side for clear vision of trash being loaded. Cab must turn with boom. Cab to incorporate an operators spring loaded seat with arm rests and seat belt, manual control handles, foot pedal controls, boom float controls and throttle control switch. Each cab is formed of 10 gauge steel with ¼" plate for floor, ¾" attaching arms and ¼" tinted Plexiglas windows. Height of cab is 59". Bottom width is 34", with bottom length of 44" and top length of 48". Door is 33½" x 57½". Two (2) sliding side windows measuring 23¾" x 33¾", two (2) door windows measuring 26¾" x 36¾" and 9" x 24" and rear window measuring 23¾" x 26¾". Removable mesh guard to be installed over rear cab window.</p>
		38.	<p><b>Cab A/C</b> System to incorporate an air conditioning unit mounted in cab utilizing a condenser with appropriate receiver/drier. Air conditioning will have a separate compressor mounted on engine of truck. Tapping into existing truck compressor is unacceptable. Freon filler bungs to be located at compressor.</p>
		39.	<p><b>Cab Heater</b> Cab to be equipped with a 12 V, 480 watt, 40 amp, DC thermal 8016 BTU heater.</p>
		40.	<p><b>Oil Tank and Filters</b> Hydraulic system will be equipped with a 50 gallon oil tank with a oil level and temperature gauge and filler/breather cap utilizing a 50 gallon per minute externally mounted return oil filter with a replaceable 10 micron absolute filter element. Filter element must be easily accessible. Unit to be equipped with a 40 gpm pressure filter with a replaceable 10 micron absolute filter element. Pressure filter to be installed in hydraulic system after pump and prior to any other hydraulic components. Pressure filter to be equipped with a condition sensor and dash mounted light. Light will remain on when filter element needs servicing.</p>
		41.	<p><b>Throttle Control</b> Unit to have a throttle control integrated with truck chassis to maintain proper engine speed while loader is in operation. Engine speed will not increase unless truck chassis is in neutral, parking brake is set and PTO is engaged. Engine speed will return to idle when any of these conditions are terminated. Throttle control parameters will be set in such a way as to prevent engine speeds being increased above 1500 rpm while PTO is engaged. An engine throttle control switch will be water tight and mounted at operators platform for operator convenience.</p>
		42.	<p><b>Trash Grapple</b> Loader to be equipped with a continuous rotating bucket by means of hydraulic operated rotator with no mechanical stops. Continuous rotator shaft must be 3" in diameter. Rotator to utilize a 3" top and bottom roller bearing. Rotator to have three easily replaceable seals. Trash grapple to have a closing pressure of 3,000 pounds. Grapple to be opened and closed by means of two (2) hydraulic cylinders a minimum of 3" inside diameter with a heavy duty clevis on rod end. Bucket cylinder hinge pin minimum 1½" in diameter. Bucket cylinders and hoses to be enclosed in a removable steel cover to prevent limbs and other debris from damaging cylinders and hoses. Grapple is to be 4 feet long and open to 60 inches, lip to lip. Center of bucket to be 21 inches from ground minimum at fully opened position. Bucket to be equipped with replaceable/reversible double edged grader blades at biting point.</p>
		43.	<p><b>Boom Float Controls</b> Loader must have float controls to allow boom/bucket to free-turn and float up/down while unit is in transit and boom is resting in trailer. Float controls to be located at operators platform.</p>


YES	NO	Line Item	Specifications
		44.	<p><b>Cylinders</b> All cylinders to be of high quality utilizing chrome rods and replaceable bushings/bearings. Loader to be equipped with (2) main boom cylinders to be 4" bore x 24" stroke with 2½" rods and locking valves, (1) tip boom cylinder to be 4" bore x 32" stroke with 2¼" rod and locking valve, (2) bucket cylinders to be 3" bore x 8" stroke with 1¼" rods and (2) outrigger cylinders to be 3" bore x 16" stroke with 1¼" rods and locking valves.</p>
		45.	<p><b>Trailer Selector and Connectors</b> To have a selector valve to divert hydraulic oil from loader controls to dump trailer controls and quick couplers at trailer connection point. Quick couplers to be compatible with equipment in current use by the municipality.</p>
		46.	<p><b>Electrical</b> To be equipped with high quality electric brake control located in truck cab and a 6 and 7 pole trailer electrical connector located at trailer connection point. (2) 6" LED strobe lights will be mounted to top of cab protector.</p>
		47.	<p><b>Hardware</b> To be equipped with fenders over rear wheels and mud flaps. To have a steel rack between truck cab and loader pedestal for storage of bucket when not resting in trailer. Must have full-length sub-frame running from behind cab to the end of the truck frame. Sub-frame to be 2 x 3 x ¼ tube minimum. Must be equipped with a cab protector and attached tool racks. To have adequate ladder/steps to access operators platform from ground level. Tie bolts must incorporate frame spacers to prevent frame collapse when tightened.</p>
		48.	<p><b>Towing</b> To be equipped with a rear pintle hook. Pintle hook to be rated at 90,000 lbs minimum. D-ring style safety chain hooks to be attached to rear bumper of truck. Rear bumper will be extended 4 additional inches to facilitate ease of turning with trailers.</p>
		49.	<p><b>Paint</b> All metal to be properly cleaned, primed and painted one standard color. Color choice: Safety Yellow</p>
			General
		50.	Freight – Bid price shall include all freight charges for delivery to City facilities in Tuscaloosa
		51.	Literature – All literature to be enclosed in equipment upon delivery




**BIDDER'S RESPONSE FORM**

**MESSAGE TO BIDDERS:** Please review your bid documents for accuracy, completeness, required documentation, and necessary signatures before submitting. Please label the outer mailing/shipping package with the bid information as directed.

Item	Qty.	Description	Make/Model	Price Each	Total Amount
1.	4	Knuckle Boom Truck			\$
				<b>Total Bid</b>	<b>\$</b>

<b>Company Name</b>	
<b>Contact Person</b>	
<b>Email Address</b>	
<b>Telephone Number</b>	
<b>Mailing Address</b>	
<b>Mailing Address for Payments</b>	
<b>Authorized Signature</b>	

**COPIES SUBMITTED:**

\_\_\_\_\_ **VENDOR MUST SUBMIT AN ORIGINAL BID AND ONE COMPLETE COPY OR THE BID MAY BE REJECTED.**

Awarded bidder(s) may be required to obtain a City of Tuscaloosa business license in order to provide goods and/or services in response to this bid and subsequent contract(s). Inquiries regarding business license requirements should be directed to the City's Revenue & Financial Services Division at (205) 248-5200. Failure to obtain and maintain required city business license(s) may result in rescinding of bid award and contract termination.

Note: By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

**FAILURE TO COMPLETE ALL OF THE ABOVE WITH AN AUTHORIZED SIGNATURE MAY SUBJECT BID TO REJECTION.**