

ARKANSAS STATE HIGHWAY & TRANSPORTATION DEPARTMENT  
EQUIPMENT AND PROCUREMENT OFFICE  
LITTLE ROCK, ARKANSAS

April 7, 2015

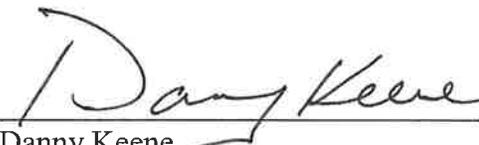
**NOTICE TO BIDDERS**

**ADDENDUM**

Bid Number: H-15-301R and H-15-302R

Opening Date: April 14, 2015

**Bid Specifications were inadvertently left out of bids.**

  
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Danny Keene  
Division Head  
Equipment and Procurement

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT**

**SPECIFICATION 15-199-120**

**FOR**

**FOUR WHEEL DRIVE FRONT END LOADER**

**1.7 CUBIC YARDS CAPACITY**

**A. General Conditions:**

1. **Current Model:** Units furnished under this specification shall be the latest improved model in current production, as offered to commercial trade, built for the U.S. market, and shall be of quality workmanship and material. Machines manufactured for foreign markets will not be accepted. All equipment offered under this specification shall be new. Used, reconditioned, shopworn, demonstrator, prototype or discontinued models are not acceptable. Manufacturers of the units supplied must have been in the business of producing operational units for at least two years and must have recently sold similar units to domestic governmental agencies. The model furnished must have been in production for a minimum of one year, or be the latest version of a previous model. Bidder/s may be required to submit documentation substantiating the aforementioned requirements. A list of user references may also be required.
2. **Literature:** Manufacturers literature, verifying adherence of proposed unit to each line item addressed in this specification, shall be submitted with the bid. If any literature and/or specifications of items conflict with AHTD specifications, the conflict(s) shall be specifically noted, corrected and submitted with the bid.
3. Any deviations from specifications and requirements herein must be clearly pointed out by bidder. Otherwise it will be considered that equipment offered is in strict compliance with these specifications and requirements, and successful bidder will be held responsible therefor. Deviations must be explained in detail on an attached sheet. However, no implication is made by the Arkansas State Highway and Transportation Department that deviations will be acceptable.
4. **Manuals:** The successful bidder shall furnish one (1) Operator's Instruction Manual with each unit delivered and one (1) copy each of Shop Repair Manual and Parts Book to each FOB point.  
  
The successful bidder may provide Shop Repair Manuals and Parts Manuals on computer media (CD, DVD, USB Drive, etc.) in lieu of printed manuals.
5. **Training:** The successful bidder shall furnish qualified personnel to instruct AHTD operators and service technicians on operation and maintenance of machine.  
  
In addition, the successful bidder shall furnish information on any factory service schools which would be available for AHTD service technicians.
6. Shall be assembled, adjusted and made ready for continuous operation at time of delivery.
7. All parts, accessories and tools necessary for satisfactory operation of this unit shall be furnished whether or not they are specifically mentioned in this specification (including standard equipment as regularly furnished by manufacturer as shown on printed literature and specifications - unless specifically excluded by this specification).
8. **Parts Inventory & Service Facilities:** The successful bidder shall maintain a representative inventory of replacement parts and service facilities for servicing equipment bid on.
9. **Demonstration:** The Arkansas State Highway & Transportation Department reserves the right to require a demonstration, under actual working conditions, of equipment bid under this specification before award is made. The demonstration would be performed (free of any charge) by the bidder or an authorized representative at a mutually acceptable location. If requested, the bidder should be prepared to demonstrate the equipment within thirty (30) days after notification. Failure of the bidder to perform a satisfactory demonstration within the specified time may be grounds for rejection of the bid.
10. **Cooperative Purchasing:** Other tax-supported entities\* in Arkansas (cities, counties, state agencies, school districts, etc.) may purchase from this Contract on an individual basis under the same specifications and conditions, and at the pricing set forth by each vendor, all at the discretion of each vendor in each case. Prices could be reduced by a vendor for minor alterations in conditions (changing order quantities, deleting options, etc.) as agreed by both parties, but could not be raised above the contract bid price except for any additional freight charges. Vendors would not be required to sell to any such entity under this contract, and those entities would not be obligated to purchase from the contract.

Each entity wishing to purchase from the contract must make contact directly with the appropriate vendor(s). The Highway Department shall remain "out of the loop" for such transactions: all contact, orders, invoices, payments, etc. regarding such transactions must take place exclusively between the tax-supported entity and the vendor. The Department shall be held harmless of any and all liability arising from such transactions.

\* Tax-supported entities are defined as those receiving more than half of total funding from appropriated tax funds.

**B. Unit specifications:**

1. **General:** Shall be a four wheel drive pneumatic tired Wheel Loader of unit design engineered from the ground up for front-end loading operation. Full turn tipping load rating as defined in SAE J732 shall be no less than 12,000 pounds with cab, bucket and tires as specified below. The rated operating load shall not exceed 50% of the tipping capacity per SAE J818.
2. **Engine:** Rear mounted liquid cooled diesel with a minimum piston displacement 4.4 liters developing no less than 95 net horsepower at a governed speed of not more than 2,500 RPM. Engine shall comply with current EPA standards for off-road vehicles. Shall be equipped with electric starter, battery, alternator and ammeter or charge indicator. Shall have oil pressure or fuel solenoid actuated electric hour meter (showing actual engine run time independent of engine RPM), approved dry type air cleaner, pre-cleaner, lube oil filters and fuel filters with replaceable elements, and muffler. All gauges or indicators, including temperature, oil pressure and fuel level, to be mounted in instrument panel in cab readily visible to operator from seat. Fuel tank shall have a capacity for not less than ten (10) hours of operation. Cooling system shall have anti-freeze protection to -20° F, or lower.
3. **Transmission:** Power shift with a minimum of three (3) forward speeds and three (3) reverse speeds, or hydrostatic with a minimum of two (2) speed ranges. Shall have a minimum road speed of 18 mph.
4. **Axles:** Planetary type reduction to each hub.
5. **Brakes:** Foot controlled, hydraulic actuated wet disc type service brakes acting on all four wheels. Parking brake as regularly furnished by manufacturer. The entire braking system shall meet current SAE J1473/ISO3450 standards.
6. **Steering:** Articulated frame, full hydraulic power steering.
7. **Tires:** 15.5 x 25 or 17.5 x 25 with L2 tread, minimum 12 Ply Rating, and water valve stem. (Radial ply equivalent may be provided in lieu of bias ply tires.)
8. **Hydraulic System:** Shall consist of reservoir with baffles, pump, control valve, lift and dump cylinders, necessary relief valves and necessary filters with replaceable elements. Control valves shall be convenient to operator.
9. **Bucket:** General purpose material bucket with a minimum SAE rated heaped capacity of 1.7 cubic yards. Bucket shall be at least as wide as the outside to outside measurement of the tires and be equipped with a bolt on cutting edge. Maximum dumping height with bucket at dump angle shall be no less than 8' 6". Raising time of bucket shall be no more than 6.4 seconds and lowering time from maximum lifting height to ground level shall be no more than 5.0 seconds. Bucket reach forward shall be no less than 32" at maximum dumping height with bucket at dump angle. Shall have below ground line digging capacity with bucket cutting edge in horizontal position.
10. **Breakout Force:** SAE J732 breakout force shall be no less than 17,000 pounds.
11. **Cab:** Fully enclosed pressurized ROPS cab with safety glass windshield and windows. Cab shall be equipped with air conditioning, heater-defroster unit, front and rear windshield wipers with washers, inside rear view mirror, adjustable suspension seat and seat belt.
12. **Equipment:** Loader shall be equipped with a backup alarm, working and traveling lights, stop and tail lights, directional signals with hazard flashers and vandalism protection equipment.
13. **Remote Monitoring System:** Unit shall be equipped with an integrated factory installed remote monitoring system which interacts with electronic system controls. System shall offer the following capabilities as a minimum.
  - A. System shall be capable of monitoring and storing electronic data produced by the machine.
  - B. Unit shall be equipped with cellular communication capability for the transmittal of collected data.
  - C. This data shall be accessible to designated employees of the department for review from any internet connection. All data shall be in real time.
  - D. Data collected by this system shall be stored by the manufacturer for a period of not less than (1) one year (twelve months). This historical data shall be accessible to designated employees of the department for review from any internet connection.
  - E. The system shall be capable of notifying the manufacturer/dealer and AHTD personnel in the event a fault code is generated by a component of the machine. If the code is a priority code (immediate attention required, such as low

engine oil pressure, low coolant, high coolant temperature, hydraulic pressure, etc.) the manufacturer/dealer will immediately contact AHTD personnel to verify receipt of message.

- F. System shall be capable of allowing remote access by technicians for the purpose of diagnostic trouble shooting and software updates.
  - G. Unit shall be capable of showing the exact location of the machine as a street address and GPS coordinates.
  - H. Shall be capable of showing hour meter reading in real time and have the ability to notify maintenance personnel when service is due. AHTD personnel shall have the capability to set service parameters in the system for each unit.
  - I. System shall be capable of generating the following reports as a minimum.
    - (1) Unit tracking.
    - (2) Idle time.
    - (3) Machine usage.
    - (4) Engine fuel burn.
  - J. System shall allow designated AHTD personnel the ability to establish geofencing and curfew parameters for each unit.
  - K. The subscription for this package shall be provided to the AHTD free of charge for a minimum of (3) three years (36 months).
14. Weight: Operating weight of machine ready for continuous operation shall be no less than 17,000 pounds with cab, bucket and tires specified above.
15. Color: Manufacturer's standard color is acceptable.
16. Warranty: Units purchased under this specification shall be warranted against defects in material and workmanship for a minimum period of twelve (12) months (365 days) from date unit is placed in operation by AHTD.
- A. Warranty shall include all parts, labor and transportation costs to the location of equipment.
  - B. If equipment cannot be repaired on location, warranty shall include cost of transport to the facility where the repair work will be done.
  - C. It will be the responsibility of the successful bidder to insure that repairs are completed in a timely manner.
  - D. If any warranty literature submitted with the bid conflicts with AHTD warranty requirements, the conflict(s) shall be specifically noted, corrected and included with the bid or the conflict(s) will be considered an exception to warranty specifications and the bid rejected.
  - E. Recent prior failure to provide warranty-work, parts, replacement parts or service, in a timely manner, for equipment from the same manufacturer or dealer shall be grounds for the rejection of any submitted bid, or for the denial of any otherwise qualified low bidder, whether such failure is attributable to the manufacturer or the dealer of the equipment. For the purposes of this paragraph "timely manner" means a period of time not exceeding thirty (30) calendar days to provide requested warranty-work, parts, replacement parts, or service. For the purposes of this paragraph "manufacturer" means the original manufacturer of the equipment and its successor or successors, regardless of number, and whether acquired by sale, merger, or otherwise. For the purposes of this paragraph "replacement part" means a part redesigned by a manufacturer to correct a design or engineering defect and which replacement part is capable of providing dependable performance in normal operation conditions for its normal service life without failure. Such bid or bids may be rejected by the Department until such failure or failures have been remedied to the satisfaction of the Department and until such manufacturer or dealer is providing such warranty-work, parts, replacement parts, and service in a timely manner.