

ELECTRONIC INVITATION TO BID

**BIDS PROCESSED THROUGH THE STATE eBID APPLICATION MUST BE SUBMITTED ELECTRONICALLY
THROUGH eBID AT: <https://sourcing.fin.oaks.ohio.gov/>.**

PAPER BIDS WILL NOT BE ACCEPTED.

EVENT NUMBER: OB00003029

THE DEPARTMENT OF ADMINISTRATIVE SERVICES, OFFICE OF PROCUREMENT SERVICES, IS SOLICITING BIDS FOR:

Two (2) Electrofishing Boats with Trailers and Assorted Equipment

BILL TO:

Bill To: ODNR – Wildlife
2045 Morse Road – G2
Columbus, OH 43229

SHIP TO:

Sandusky Fisheries Research Station
305 East Shoreline Drive
Sandusky, Ohio 44870

QUANTITY AND DURATION: This Invitation to Bid, which is not a contract, is considered to be a one-time procurement offer for the product(s)/service(s) as listed herein. The successful Contractor may commence performance of the awarded contract upon receipt of an official state of Ohio Purchase Order (ADM0523/ORDE). Upon completion of the contract and upon receipt of proper invoices, payment will be provided by the ordering agency. The contract will then be considered as complete and no further purchases may be placed against the contract. With the exception of approved overrun/underrun tolerances, any deviations from the quantity listed in the awarded contract shall not be permissible nor acceptable.

INQUIRIES: All inquiries should be submitted a minimum of five (5) working days prior to the bid opening date through the Procurement website, www.procure.ohio.gov. Click "Find it Fast," select "Doc/Bid/Schedule#" in Step 1, enter the Bid Number in Step 2, click "Find it Fast." The "Submit Inquiry" button is at the bottom of the Opportunity Detail page. Bidders will not receive a personalized e-mail response to their question, nor will they receive notification when the question is answered. Responses may be viewed by clicking the "View Q & A" button located beneath the "Submit Inquiry" button..

Bidders shall not insert a unit cost more than 3 digits after the decimal point. Digit(s) beyond 3, after the decimal point, shall be dropped by the Office of Procurement Services and not used in evaluation and any subsequent order.

SPECIAL CONTRACT TERMS AND CONDITIONS

AMENDMENTS TO CONTRACT TERMS AND CONDITIONS: The following Amendments to the Contract Terms and Conditions do hereby become a part hereof. In the event that an amendment conflicts with the Contract Terms and Conditions, the Amendment will prevail.

EVALUATION: Bids will be evaluated in accordance with Article I-12 of the "Instructions to Bidders". In addition, the state will multiply the requested quantity of the line item by its corresponding unit price. Failure to provide a unit price may result in the bidder being deemed as not-responsive.

AWARD: The ITB will be awarded to the lowest responsive and responsible bidder.

DESCRIPTIVE LITERATURE: The Bidder may be required to submit descriptive literature of the supplies or services being offered. If requested, the literature will be used in the evaluation process to determine the lowest responsive and responsible bidder. If not provided as part of the bid response, the Bidder must provide said literature within seven (7) calendar days after request/notification by the Office of Procurement Services to do so. Any references, that may appear in the descriptive literature, that may alter the terms and conditions and specifications of the bid (e.g. F.O.B. Shipping Point or Prices Subject to Change), will not be part of any contract and will be disregarded by the state of Ohio. Failure of the bidder to furnish descriptive literature either as part of their bid response or within the time specified herein will deem the bidder not responsive.

Descriptive literature will include the manufacturer and model number for the Electrofishing Boat, Motor, Trailer, Electrofishing Control System and warranty terms for each.

Watercraft Dealer License: In reference to ORC 1547.01 (B) (27), DAS may ask for proof of a watercraft dealers license issued by the Ohio Department of Natural Resources, Division of Watercraft.

Bidders may provide a price list for additional items and services not listed in the mandatory specifications. These items will not be part of the bid evaluation.

DELIVERY AND ACCEPTANCE: Supplies will be delivered to the participating agency within 150 days after receipt of order and, in accordance with paragraphs S-8, S-9, and S-10 of the SUPPLEMENTAL CONTRACT TERMS AND CONDITIONS. The delivery location will be noted on the purchase order issued by the participating agency. Acceptance (transfer of title) will occur upon the inspection and written confirmation by the ordering agency that the supplies delivered conform to the requirements set forth in the Contract. Unless otherwise provided in the Contract, acceptance shall be conclusive except as regards to latent defects, fraud, or such gross mistakes as amount to fraud.

Contact Christopher Vandergoot at 419-625-8062 prior to delivery.

Boat Specifications**1. Hull Design**

- a. 21' all welded, aluminum plate boat, meets United States Coast Guard approved
- b. 12 degree v-hull bottom
- c. 100" beam, 72" inch bottom,
- d. Bow squared off to allow for electrofishing safety rail (see front deck specifications below)
- e. Side hull thickness 0.125" aluminum, bottom hull thickness 0.190" aluminum
- f. Cross ribs (2" x 2" x 0.125") welded in on 12" centers, 10" apart, along transect of boat
- g. All seams (i.e., sides, transom and bottom) doubled welded throughout
- h. 1 5/8" gunwales
- i. Transom height 25", side height 30"
- j. Interior of boat coated with non-skid grey liner
- k. Rear splash well to gunwale height
- l. Welded aluminum port and starboard mooring cleats
- m. Transducer mounting plate
- n. 18"x 6" along the bottom edge of the transom either starboard or port of 2" drain hole
- o. 2" drain hole
- p. 25 gallon (minimum) fuel tank with console gauge
- q. Accessible floor enclosures (front deck to stern) for wiring and conduit concealment
- r. Manufacturer's warranty of no less than a one (1) year for each boat hull

2. Front Deck
 - a. 48" front deck with side drains (weep holes)
 - b. Removable bow safety rail (with LED shock lights)
 - c. OSHA approved minimum 42" height from front deck
 - d. 1" inside diameter aluminum pipe, 0.133" wall
 - e. Light boxes (n=6) incorporated into front rail for LED lighting
 - f. Light boxes (n=2) incorporated at top rear port and starboard corners for LED lighting
3. Center Console, Raydome and Accessory Support Railing
 - a. All-welded aluminum (0.125" thickness) center console
 - b. Aluminum radar bar extending from port to starboard gunwale
 - c. Able to accommodate radar sensor (see specifications below)
 - d. Able to accommodate additional LED lighting
 - e. Minimum of 6.5" above boat deck floor
 - f. Ridged yet easily removable (e.g., with bolts or pins)
 - g. Storage cabinet forward center console, with recessed flip-down (toward gunwales) seating
 - h. Pedestal seat mount (height adjustable up and down) behind center console
4. Amenities
 - a. AGM Cranking Batteries (n=2) Blue Optima Group 31 or equivalent.
 - b. AGM Deep Cycle Battery (n=1) Blue Optima Group 31 or equivalent.
 - c. Battery selector switch
 - d. On-board 12 volt charging system
 - e. Navigation lights
 - f. 12 volt outlets (n=2); one at console and one at bow
 - g. 1500 gallons per hour (gph) bilge pump w/on, off, auto switch
 - h. 1500 gph bilge pump with automatic float switch powered directly from battery
 - i. 18 gang 12 volt fuse panel with ATO style blade fuses mounted under console
 - j. Accessory switch panel mounted at console
 - k. Navigation compass recessed into console
5. Marine Radio
 - a. Touchscreen Fishfinder/ Chartplotter Unit With 4G radar sensor, heading sensor, and high accuracy GPS antenna. Fishfinder/chartplotter and 4G radar sensor must be the same brand.
 - b. Aluminum livewell 42"x24"x24" with dual hinge lid
 - c. Bolted to boat deck but able to be removed with a flush deck remaining
 - d. Flow through system, aerated, with quick disconnects for filling and discharging (pump controls located at center console)
 - e. Standpipe drain and plug behind perforated aluminum screen
 - f. Sloped bottom toward standpipe
 - g. 2 deck work up lights
 - h. 2 workup lights mounted to radar bar
 - i. Manufacturer's warranty of no less than a one (1) year for each touchscreen fishfinder/chartplotter unit
6. Outboards
 - a. Twin 90 horsepower 4 stroke engines. Both engines must be the same brand.
 - b. Power tilt and trim with controls mounted on center console
 - c. Hydraulic steering at center console
 - d. Throttle controls mounted on center console
 - e. Digital fuel and tachometer gauges for each motor mounted on console
 - f. Aluminum props
 - g. Transom savers
 - h. Manufacturer's warranty of no less than a one (1) year for each outboard motor

7. Trailer
 - a. Galvanized tandem axle 3500 lb axles
 - b. Hydraulic surge brakes
 - c. Bottom roller bunks
 - d. Poly side guide bunks
 - e. Heavy duty swivel jack and winch with strap
 - f. LED stop, turn, side marker, and license plate lights
 - g. Transom straps

8. Electrofishing System Equipment (Electrofishing Control Box Must Adhere to These Standards)
 - a. Pulsed AC output 0-7200 watts
 - b. Square wave pulsed DC output 0-12000 watts
 - c. Independent control of voltage (DV 0-1200 V, AC 0-240 V), duty cycle (1-100%) and frequency (1-300 pulses per second) in increments of 1
 - d. Auto-correction of input frequency and voltage to ensure consistent output waveform
 - e. Metered monitoring of peak output (watts, amps and volts)
 - f. Overload and dead short protection
 - g. *Powered by a commercially available, non-inverted style generator that (i.e., only requirement un-bounded/ isolated neutral, no special windings) The generator must be included in the bidder's pricing.
 - h. Automatic voltage range shifting for three different ranges of voltage
 - i. Setting a voltage ceiling
 - j. Set and recall minimum of 5 electrofishing settings (waveform, voltage, pulse rate & duty cycle)
 - k. High-voltage soft starts to protect internal circuitry
 - l. Display notifying user of overloading errors, incorrect settings and/ or dead short detection
 - m. Integrated ability to perform continuity tests on the safety switch
 - n. Red illuminated display red for nighttime viewing
 - o. Weather and splash resistant construction without need for a cover
 - p. Integrated ability to monitor and report voltage and frequency of generator
 - q. All electrical connections water and weather resistant

9. Electrofishing Booms
 - a. Two (starboard and port) aluminum pivoting electrofishing boom assemblies
 - b. Boom cradles welded onto safety rail (see above) with chain hangers
 - c. Two collapsible anode arrays (40" span) constructed of:
 - d. 3/16" stainless steel cable
 - e. 1" stainless steel anode dropper tubes
 - f. Stainless steel hardware on all aluminum construction
 - g. *Two safety foot switch pads located on bow deck (14" X 23")
 - h. *One safety foot switch located near console for boat operator (5" x 7")

10. Special Requirement
 - a. Bidders must have experience designing and fabricating a similar vessel for a state or federal agency within the last 5 years.

 - b. The Bidder is required to submit documentation (including references) of fabricating a similar vessel for a state or federal agency within the last 5 years. The documentation will be used in the evaluation process to determine the lowest responsive and responsible bidder. If not provided as part of the bid response, the Bidder must provide said documentation within seven (7) calendar days after request/notification by the Office of Procurement Services to do so. Any references, that may appear in the documentation, that may alter the terms and conditions and specifications of the bid (e.g. F.O.B. Shipping Point or Prices Subject to Change), will not be part of any contract and will be disregarded by the state of Ohio. Failure of the bidder to furnish documentation either as part of their bid response or within the time specified herein will deem the bidder not responsive.

*Indicates a revision to the specifications.