



STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
TECHNICAL SPECIFICATIONS FOR

**WORK BOAT, 20FT ALUMINUM, WITH TRAILER AND OUTBOARD**

**SERIES NO. 345-000**

**REV. 3/19/2025**

**EQUIPMENT SPECIFICATION 345-000N**

**GENERAL**

This specification sets forth the minimum requirements for a 20 ft. aluminum, side console steering, flat bottom workboat with trailer and outboard motor.

Equipment shall be new, a production model of current manufacture, and must meet all state and Federal safety and emission standards in effect at time of order.

**REPRESENTATIVE SPECIFICATIONS**

A HANKO Metal Works Inc. model 2072 SCF and Magic Tilt trailer, with appropriate options and standard features, was used to develop these specifications and establish equivalency evaluation criteria.

Equipment of similar style, type, character, quality, features, and purpose conforming to the following detailed requirements/specifications will be considered. For evaluation purposes, bidders proposing an exception/equivalent option/feature to those specified herein, may be required to provide manufacturer/product information (catalogue sheets, detailed specifications, pictures, etc.). This information will be evaluated against the minimum requirements of this specification. Proposed submittals that are determined not to be equivalent to the established criteria will be rejected.

**LOUISIANA AUTHORIZED DEALER(S)**

Proposed item(s) must be from a manufacturer who has at least one (1) authorized dealer within the State of Louisiana where parts and service can be obtained. Authorized dealer(s) must have properly trained technicians plus all other resources necessary to perform warranty and repair services in complete accordance with the manufacturer's requirements. A letter certifying the ability to meet this requirement, inclusive of the company name(s) and address(es) of the Louisiana authorized dealer(s), should be supplied with the bid submittal and may be required prior to award.

**DELIVERY & ACCEPTANCE**

Vendor shall perform a test run of each unit to verify that all features and capabilities are operating properly at time of delivery. Documentation of testing may be required prior to acceptance by the Department.

Unit(s) must be delivered completely assembled (including all components, accessories, etc.) and ready for operation without any additional preparation including, but not limited to, ensuring all fluid levels are at their full mark, fuel tank(s) is full, all necessary lubrication has been performed, etc. A Louisiana safety inspection shall be performed on each vehicle prior to delivery and a Louisiana safety inspection sticker properly affixed.

Any unit delivered under this specification is subject to rejection if there is evidence of poor workmanship, by either the vendor or the original manufacturer. Noted defects and/or nonconformance findings may

be corrected by the vendor. Corrections must be completed and approved by the Equipment Engineer or his representative prior to final acceptance.

Unit(s) shall be delivered **"on the ground;"** DOTD will not unload nor provide any unloading equipment to the vendor/delivery driver in order to offload the unit(s).

**NOTE:** The Department will have space available for equipment to be unloaded.

**EACH UNIT MUST BE SUPPLIED WITH THE FOLLOWING DOCUMENTATION AT TIME OF DELIVERY:**

1. Notarized Bill of Sale
2. Original Certificate of Origin (MSO), (no photocopy)
3. Dealer's Service Policy
4. Owner's/Operator's Manual(s)
  - a. One (1) Hardcopy
  - b. One (1) Digital Copy
    - i. Acceptable Formats: PDF delivered via USB "Flash Drive", or E-mail
5. Service Manual(s)
  - a. One (1) Hardcopy
  - b. One (1) Digital Copy
    - i. Acceptable Formats: PDF delivered via USB "Flash Drive", or E-mail
6. Build Sheet(s) – as applicable
  - a. One (1) Hardcopy
  - b. Build sheets should be written in plain language (not company specific codes) and include, at a minimum, all standard & optional features of the delivered unit.

**NOTE:** Invoices will not be processed for payment until the unit(s) have been inspected by the Equipment Engineer or their representative and deemed in compliance with the specifications.

**BID SUBMITTALS**

Any additions, deletions, or variations from the specifications should be noted in the "Bidder's Exceptions" page of this specification. Exceptions that are noted to be less than a minimum requirement will not be accepted.

Any additions, deletions or variations from the manufacturer's standard published specifications should be noted on the "Bidder's Exceptions" page of this specification. Unless otherwise noted, any items appearing in the manufacturer's standard published specifications furnished by the Bidder are assumed to be included in the Bidder's submittal.

Bidder should note on their submittal any installation(s) to the equipment that will be performed by the vendor instead of the manufacturer.

Failure to note any specification exceptions, manufacturer specification alterations, and/or vendor installations prior to award may result in rejection of the equipment at the time of delivery.

**THE NUMBER OF DELIVERY DAYS AFTER RECEIPT OF ORDER (ARO) MAY BE USED AS A FACTOR IN THE AWARD.**

## EQUIPMENT SPECIFICATIONS

### NOTICE TO BIDDERS

Bidder should review the detailed "Equipment Specification" completely and respond to the compliance question at the end of each section by marking "X", in the space provided, for "Yes" or "No". Mark "Yes" to indicate that the equipment bid meets the section exactly as specified. Mark "No" if there are exceptions to any part of that section. Exceptions/deviations to any part of the specification are to be detailed on the "Bidder's Exceptions" page of this specification.

IN ORDER TO BE CONSIDERED FOR AWARD, BIDDER SHOULD RETURN THIS SPECIFICATION, COMPLETED IN FULL, WITH THEIR BID SUBMITTAL.

**Note: All values listed below are minimums unless noted otherwise.**

### 1. Aluminum Boat

#### 1.1. Hull Specifications

- 1.1.1. Length: 20' LOA (motor guard not included)
- 1.1.2. Bottom: 72" (3/16")
- 1.1.3. Sides: 23" (3/16")
- 1.1.4. Beam: 7'8"

Comply: \_\_\_\_Yes \_\_\_\_No

#### 1.2. Hull Construction

- 1.2.1. Bottom, Sides and Transom: 3/16" 5086 marine grade aluminum
- 1.2.2. Sealed and Pressure tested double bottom
- 1.2.3. Floors and Decks: 1/8" tread plate
- 1.2.4. Transom designed for 20" shaft outboard engine
- 1.2.5. Four (4) combo lifting eyes and cleats port and starboard (bow and stern)

Comply: \_\_\_\_Yes \_\_\_\_No

#### 1.3. Rib Structure

##### 1.3.1. Longitudinal:

- 1.3.1.1. Four (4) – 3" x 1-1/8" x 3/16" corrugated bottom runners pressed into hull plating
- 1.3.1.2. Two (2) – 3" x 1-1/8" x 3/16" corrugated side runners pressed into side plating

##### 1.3.2. Transverse:

- 1.3.2.1. 1/8" bow bulkhead – sealed welded and pressure tested
- 1.3.2.2. 3" x 2" x 1/8" square tubing floor supports on 16" centers
- 1.3.2.3. 1" x 1" x 1/8" angle tacked underneath flooring between each rib section

Comply: \_\_\_\_Yes \_\_\_\_No

## EQUIPMENT SPECIFICATIONS

### 1.4. Additional Design Features

#### 1.4.1. Rails

1.4.1.1. 3" heavy duty rubber railing around the outside perimeter of hull

1.4.1.2. 3" angle rail around the inside perimeter of the hull

1.4.2. Front Deck: 4' tread plate front deck with access hatch for dry storage

1.4.3. Push Knees: Two (2) 3" heavy duty push knees located port and starboard on bow

1.4.4. Single side console: Starboard side console with shelf underneath

#### 1.4.5. Bench Seat

1.4.5.1. Full width bench seat with dry storage underneath

1.4.5.2. Vinyl cushion seat

1.4.6. Splash Well: Full width splash well with 2 overboard drains port and starboard

1.4.7. Motor Guard: 2" aluminum pipe motor guard to allow full trim of outboard engine

Comply: \_\_\_\_Yes \_\_\_\_No

### 1.5. Accessories

1.5.1. Single cable manual steering system with steering wheel – (Teleflex or equal)

1.5.2. Navigational lights – front flush lights and white all-round light (Sea Dog, Attwood or equal)

1.5.3. 1100 gph automatic bilge pump with manual override switch on dash (Rule or equal)

1.5.4. One (1), 12-gallon plastic fuel tank with quick connect fitting (Moeller or equal)

1.5.5. Fuel system hoses, fittings, valves, and water separator (Teleflex or equal)

1.5.6. 12-volt power socket (Blue Seas or equal)

1.5.7. Tachometer

1.5.8. Dual battery mounting rack

1.5.9. Marine cranking battery (Interstate or equal)

1.5.10. Battery case and strap (Seadog or equal)

1.5.11. Anode located on transom (PVC coated Magnesium)

1.5.12. Gaskets for front watertight door, dry boxes, and all raw edges to have trim gasket

1.5.13. All wires to be encased in plastic split loom to prevent chafing

1.5.14. Stainless steel fasteners for all connections

Comply: \_\_\_\_Yes \_\_\_\_No

### 2. Outboard

2.1. One (1) 115 HP Suzuki four-stroke gasoline (or approved equal)

2.2. Fuel-injected

2.3. Keyed electric start, 12V

2.4. Binnacle controls with key switch and deluxe control cables

2.5. Forward, neutral, reverse

2.6. Stainless steel propeller, pitch as recommended by manufacturer

Comply: \_\_\_\_Yes \_\_\_\_No

## EQUIPMENT SPECIFICATIONS

### 3. Boat Trailer

- 3.1. Heavy duty tandem axle, Magic Tilt (or similar)
- 3.2. Aluminum I/beam
- 3.3. Gross axle weight rating (GAWR) 4,000 lbs. minimum

Comply: \_\_\_\_ Yes \_\_\_\_ No

#### 3.4. Wheels/Tires

- 3.4.1. 14"
- 3.4.2. Wheels and tires sized for rated capacity

Comply: \_\_\_\_ Yes \_\_\_\_ No

#### 3.5. Guides and Bunks

- 3.5.1. Adjustable horizontal upright side guides
- 3.5.2. 4 – carpet covered boards/bunks
- 3.5.3. Fully adjustable and setup for the proposed boat

Comply: \_\_\_\_ Yes \_\_\_\_ No

#### 3.6. Accessories

- 3.6.1. Swivel mount tongue jack
- 3.6.2. Galvanized safety chains
- 3.6.3. Bow eye safety chain/cable
- 3.6.4. Heat shrink wire connectors
- 3.6.5. Stainless steel spindle seals
- 3.6.6. Sealed submersible LED lighting
- 3.6.7. Load bearing fenders and step pads
- 3.6.8. Spare tire and carrier with extra hub
- 3.6.9. Hand operated winch, 22' strap
- 3.6.10. Tie down straps

Comply: \_\_\_\_ Yes \_\_\_\_ No

## BIDDER'S EXCEPTIONS

**Instructions:** Bidder should note all exceptions in space provided below. List the detail number from the aforementioned specification in the column to the left and the exception in the column to the right. Responses may be typed or hand-written. Handwritten responses must be legible. If additional space is needed, please print a duplicate copy of this sheet. "Bidder's Exceptions" page(s) should be returned with the bid submittal.

Examples:

1.6	Engine has 325 horsepower
1.18.3	Batteries have 2000 CCA combined.
2.2.8	Crossmembers are 4" channel on 12" centers.

**Spec./Detail  
Reference**

**Exception**
