

## INVITATION TO BID

The City of Madison has the following Surplus Equipment for sale:

1.) 2012 36' Lake Assault Rescue Boat

Minimum Bid is \$550,000.00

Have Appraisal

You can view the boat at 1800 3<sup>rd</sup> St. Madison, Il. 62060

On Tuesday/Wednesday or Friday by appointment only by calling Fire Chief

Dave Klee @ 618-781-7109 or email [dklee@cityofmadisonil.com](mailto:dklee@cityofmadisonil.com)

Or Sue Beatte @ 618-876-6268 or email [sbeatte@cityofmadisonil.com](mailto:sbeatte@cityofmadisonil.com)

All Equipment is being sold as is. Sealed bids will be accepted in the office of the City Clerk of Madison, City Hall, 615 Madison Avenue, Madison, Illinois 62060 until 2:30 pm, Monday February 13, 2023. Bids shall indicate on the outside of the envelope which item the bid is for. Bids will be opened at the regular Council Meeting in the Council Chambers on Monday, February 13, 2023 at 6:00 pm. If you have any questions, please call Madison City Hall at 618-876-6268. The City of Madison reserves the right to accept or reject any and all bids.

Celena Browley

City Clerk

City of Madison, Illinois

GENERAL CONDITION SURVEY  
AND ESTIMATED FAIR MARKET VALUE  
MADISON, ILLINOIS FIRE DEPARTMENT  
MOTOR VESSEL MARINE 1 "CAROL SUE"

At the request of Madison, Illinois Fire Chief, Mr. David Klee, and for the accounts of Madison Fire Department, the undersigned marine surveyor did attend the above captioned vessel at the facilities of the Madison Fire Department at 1800 3<sup>rd</sup> St., Madison, Illinois 62060.

The purpose of the attendance was to determine to the extent possible the nature and characteristics of the vessel and its general condition to form an opinion as to the approximate fair market value of the vessel.

Date of Survey: January 12, 2023  
Attending Surveyor: Robert F. Carrier

The vessel was found to be all welded constructed of marine grade aluminum, fire/rescue landing craft type boat. It was built in the year 2012 by Lake Assault Boats with the approximate dimensions of 36'0" L x 10.6" W and is powered by twin Mercury Verado 250 horsepower four stroke outboards.

Reportedly, the year of 2018 the vessel partially sank at its stern end, after it was raised, it was then transported back to Lake Assault and completely reconditioned with new outboard motors, pump motor, and all new wiring. Since that time, the vessel has been stored in the fire house and never placed in the water. The vessel is noted to be in excellent condition throughout.

**GENERAL SPECIFICATIONS:**

1. Hull Length 36' feet (does not include engines, guards or rub rails).
2. Beam 10 feet 6 inches (does not include engines, guards or rub rails).
3. Overall height not to exceed 13'6" while on trailer and attached to a tow vehicle.
4. Draft should not exceed 18 inches with motors up.
5. Person and Cargo Capacity 4500 lbs.
6. Boat weight 15000 lbs. approx.
7. Trailer weight 3500 lbs. approx.
8. Combined boat & trailer weight 18500 lbs. approx.

**HULL DESIGN & OUTFITTING:**

1. Hull - Landing craft style modified "V" with 16-degree transom and 34" delta pad.
2. 72" hydraulically operated bow door. The hydraulic system has cylinders on both sides of the door and able to deploy door to 90 degrees from the closed position. Door has the ability to be latched in closed position.
3. Tread plate gunnel of at least 5" fore to aft.
4. Two-part polyurethane foam below deck to maintain flotation in the event of swamping.
5. Self-bailing decks.
6. Deck aft of the pilot house raised to provide engine and pump compartment. Deck consists of a series of panels that provides easy access for pump, engine, and mechanical maintenance.
7. 6' long, lockable water-tight storage compartment, suitable for seating area on each side of the forward bow deck.

8. A .375" aluminum double pad eye incorporated into the keel.
9. 1.25" pipe safety railings installed 6" above gunnel from dive doors forward 72".
10. Eight 10" bolted on aluminum cleats installed (4 per side).
11. Bottom Plating .250 inch 5086-H116
12. Side Plating .190 inch 5086-H32
13. Deck plating minimum .124 inch 5052-H32 diamond tread plate.
14. 3" bolt on rub rail on each side at the sheer line running from fore to aft and 10-15" diagonal rub rails on each side of the boat with same Duramax rub rail
15. Ladder to roof of pilot house.
16. Indirect white lights under gunnels for indirect deck lighting.
17. The radar arch contains the light bar, the Radome and the Flir camera. The arch has an electrically activated fold down for highway travel.
18. The below deck pump engine space is equipped with appropriately sized automatic fire extinguisher system.
19. An aft tow post.
20. (2) zinc Anodes (bolted to hull)

**WELDING:**

1. The hull and superstructure are constructed of marine grade aluminum and MIG and or TIG welded throughout.
2. All water seams welded 100% both sides.
3. Longitudinal structural members stitch welded opposite sides.
4. Frames and bulkheads 1-3 continuously welded one side, stitched opposite; remainder of frames stitched welded opposite sides.

**FUEL SYSTEM:**

1. A welded aluminum fuel tank of 150 gallons.
2. Stainless steel withdrawal tubes.
3. A WEMA fuel sender attached to a NMEA fluid level interface to supply data to electronic gauges.

**TOWING EQUIPMENT:**

1. 4" crucifix style tow post with a 1" welded pin at the rear bulkhead.
2. 2" double pipe motor guard with tow line guides. The guard has an integrated stokes basket rack on top of guard.

**PILOT HOUSE:**

1. Full width pilot house is 9'6" L x 8'4" W, with an interior clearance height of 76".
2. The pilot house is fully enclosed. Component material is all welded construction of 5086 aluminum alloy of 3/16" thickness.
3. The pilot house is equipped with a forward leaning, tempered safety glass windshield with windshield wipers. Two sliding tempered safety glass windows, one on each side. One lockable hinged door, one on the forward wall.
4. Aft wall of pilot house has one fixed clamped window.
5. Pilot house has 1" pluggable drains to main deck through aft wall.
6. 15,000 BTU rooftop air conditioning unit with heat strip.
7. Pilot house has 2 heavy ventilation/defrost fans to circulate air around windshield and cabin area.

8. Two marine fire extinguishers with 10-BC rating.
9. Helm station is designed with fire pump controls and monitors. There is an overhead emergency radio rack.
10. VHF marine radio and stainless steel 36" antenna.
11. There is a grab rail alongside of the roof gutters on port and starboard sides.
12. There are 2 overhead grab rails running lengthwise in the pilot house ceiling.
13. There is a grab rail near the console at the pump control station.
14. There are 2 grab rails on the exterior forward wall of the pilot house.
15. There are 2 grab rails on the exterior aft wall of the pilot house.
16. Four 12V red/white LED dome lights installed overhead inside of the cabin.
17. Padded helm seat box has storage below.
18. Padded bench seating with storage beneath along aft wall of pilot house. Padded folding seat to span door opening.

#### **ELECTRICAL SYSTEM:**

1. The vessel's electrical system is 12VDC and 120VAC 60 Hz.
2. All electrical cable is marine grade tinned copper wire and labeled for each circuit.
3. Cables are routed in wire ways wherever possible. Cables are protected with rubber wherever exposed to potential damage.
4. Electrical cables are sized in accordance with the American Boat & Yacht Council recommendations.
5. All electrical cables are marked in accordance with the markings in electrical drawings.
6. All electrical switches are of a heavy-duty type toggles properly insulated.
7. The electrical system is grounded. The hull is not used as part of a galvanic feeding loop.
8. Wiring for radios, and all electronics are protected with circuit breakers. Two additional circuit breakers are provided for future expansion of the electrical system.
9. Electrical compartments are provided in the cabin to house the electrical power, circuit protection and control components. Serviceable components are accessible. Power, circuit protection and control components are protected against the following: corrosion, excessive heat, excessive vibration, water spray and EMI and RFI.
10. Mounting plates for antenna are on the roof.
11. Deluxe twin wiper single motor synchronized heavy-duty wiper system.
12. Two (2) 12-volt power outlets are provided in the dash console.

#### **BATTERIES:**

1. Five AGM (absorbent glass mat) marine batteries are installed complete with battery switches.
2. Two batteries are installed as the engine starting bank, one is for starting the pump motor and one is a dedicated house battery, and one is the starting battery for the generator. A four- Fraser Shipyards 1 Clough Ave. Superior, WI 54880 (715) 395-2255 [www.lakeassault.com](http://www.lakeassault.com) position battery distribution panel, located on the console, includes a battery switch for each battery, crossover switches to allow jumping in case of a dead battery, and 3 automatic charging relays that direct the alternator or battery charger to the weaker battery. All battery switches are located on lower panel of console.
3. An automatic charging relay is installed to allow for the house bank to be charged via the engine alternators.
4. All of the batteries are installed in plastic battery trays below a deck hatch outboard of the cabin.



**120V AC ELECTRICAL:**

1. A 30-amp shore power system is installed to supply battery charger.
2. A 36 amp, four bank battery charger is installed for use with the shore power system above.
3. Kohler gasoline powered generator.

**12V DC ELECTRICAL:**

1. Two 6 position distribution panels are installed on the console.
2. Navigation lights are installed to meet USCG requirements with hinging anchor light mast.
3. Three 12V 2000 GPH bilge pumps are installed with automatic float switch.
4. Two 12v/USB charging ports.

**PROPULSION:**

1. Twin Mercury Verado 250 HP outboards with counter-rotating stainless steel props. These are complete with a fuel management system, dual key management system, dual key switch panel, power trim and tilt, harnesses.
2. Engine monitoring through Mercury gauges.
3. Mercury electric trim tabs.
4. Slow-speed maneuvering steering system for docking and fire-fighting.

**FIRE PUMP:**

1. The fire pump engine is a 350HP, 5.7L Marinized GM V-8. Fueled with gasoline.
2. Pump end is a Darley PSDE 1500 direct for connection to engine flywheel.
3. Fire pump is Certified at 1500 GPM at the pump. Pump has the capacity to produce 2000 GPM at 120 PSI.
4. Pump control station Pressure / RPM controller.
5. There is a dash mounted pressure (psi) and flow (gpm) meter.
6. There is a remote control 6" stainless shut off valve between the sea chest and pump with controls on the main console in the pilot house.
7. One electric oil-less primer is installed.
8. Electrically controlled monitor and a self educating nozzle on the pilothouse. Controls for the monitor located inside the pilothouse on the helm station.
9. 2 – 4" discharges on the forward deck near the front side of the pilothouse.
10. The pump is configured with through-hull suction into a sea chest with a minimum of 6" intake. The sea chest has a screened inlet, and a valve at the sea chest outlet.
11. Winterization kit to bypass sea water intake installed so that anti-freeze can be introduced for storage.
12. Fresh water flushing port installed just ahead of sea chest valve.

**PAINT:**

1. Deck area and exterior of pilot house are painted with non-skid texture paint.
2. Hull is painted Fire boat red.

**EMERGENCY LIGHTING, SIREN, AND WORK LIGHTS:**

1. Two (2) controlled spotlights. Two on forward bow corners
2. Strip lights in gunnels for walkway illumination.

3. Six (6) flood lights installed on the roof of the pilothouse
4. 48" Light bar with siren and hailer installed

**TRAILER:**

1. A custom aluminum triple axel bunk trailer complete with electric brakes, spare tire, and tongue jack on trailer.
2. Galvanized steel wheels and electric disc brakes.
3. An adjustable bow stop and winch stand with a manual 2-speed winch and strap.
4. Submersible trailer LED lights.

**FLIR:**

1. FLIR, M-625S forward looking infrared video camera with zoom, pan and tilt is mounted on the roof and connected to controls at helm.

**ELECTRONICS:**

1. Two (2) Lowrance 12" TOUCH SCREEN with GPS, SONAR with SideVu and DownVu, CHART PLOTTING.
2. Audio Player with interior speakers.
3. Lowrance high-definition dome radar
4. One VHF Marine Radio.

**ESTIMATED FAIR MARKET VALAUE:**

In forming an opinion as to the fair market value of a vessel we consider its age, hull dimensions, horsepower range and recent rebuilds or re-powering and the reputation of the builder and or previous owner.

Taking into consideration of all of the above and with replacement of the two outboards, pump engine, and all electronics in 2018 and considering an advantageous desire of the owners to sell and the purchaser to buy, it is our opinion that this vessel should have an approximate fair market value of **Five Hundred Fifty Thousand Dollars, \$550,000.00.**

This report and our opinions are submitted by the undersigned marine surveyor without prejudice to the rights of all concerned parties.

Regards,

Robert F. Carrier  
Carrier Marine, Inc.