## Exhibit A - NEW YORK STATE LAW ENFORCEMENT VESSELS SPECIFICATIONS

## GENERAL DESCRIPTION

New York State Office of Parks. Recreation and Historic Preservation (OPRHP) is seeking to procure two (2) full cabin marine law enforcement vessels to be utilized by OPRHP Parks Police State of New York. These vessels are to replace aging vessels which have passed their serviceable life. These vessels will be utilized to allow NYSPP personnel to carry out their duties on large bodies of water, including the Atlantic Ocean, in inclement weather throughout the year and during State of emergency and disaster deployments

- •Marine patrol duties including the protection of people and property.
- Inspections of recreational boats for proper safety equipment and compliance with boating regulations and licenses.
- •Investigations of complaints, observations of potential violations of law, and other events which aid in furthering marine resource conservation, protection of property, and public relations.
- Investigation of boating accidents or incidents.
- Marine patrols of wharves and boat landings.

  Ssuance of warnings, arrests, and evidence-gathering of potential violations of laws, rules, or regulations.
- Coordination of patrol plans as part of a joint inter-agency effort in ensuring the safety of people and property.
   Marine patrols which aim to mitigate the presence of illegal fishing, harvest, catches and/or unlicensed operations.
- •Providing assistance and first aid to people and property.

The vessel specified is not primarily designed for Search, Rescue, Diving, Bow Facing Shoreline Landings, or Firefighting. However, vessel usage may vary throughout the state based on environmental factors and local conditions.

Vessel drawings must accompany bid. Drawings submitted (per Appendix B. Section 20) must show location, material, and dimensions to show compliance with the specification. Attestations of compliance are insufficient.

In accordance with Appendix B, Section 10, the words "or equal" are understood to apply where a copyrighted, brand name, trade name, catalog reference, or patented product is referenced. References to such specific products are intended as descriptive, not restrictive, unless otherwise stated. Comparable product will be considered if proof of compatibility is provided, including catalog excerpts, descriptive literature, specifications and test data, etc. OPRHP's decision as to acceptance of the product as equal shall be final. In the event of a discrepancy between the model number referenced in the Solicitation or Bid Specifications and the written description of the products that cannot be reconciled, then the written description shall prevail.

| #  | SPECIFICATIONS  | Quoted Item Meets<br>Spec (Offeror select<br>YES or NO) | If Quoted item is an<br>Equivalent,<br>specify brand |
|----|---|---|--|
| 1  | Length Overall: 29' minimum, 31' maximum. Overall length shall be measured from the bow to the transom, excluding the collar.   |   | N/A  |
| 2  | Beam Overall (including collar): 10' minimum  |   | N/A  |
| 3  | Draft: 36" maximum with engines trimmed down  |   | N/A  |
| 4  | Fuel Tank Capacity: Minimum of 200 gallons (baffled). Fuel tank shall be accessible via removable center deck plate.  |   | N/A  |
| 5  | Fuel Type: Gasoline   |   | N/A  |
| 6  | Capacity: minimum of 10 persons/1850 lbs.   |   | N/A  |
| 7  | Propulsion Machinery: Vessel shall be rated to accept a minimum of twin outboard motors with the performance capability of achieving 55 MPH minimum with a full tank of fuel and three (3) law enforcement officers onboard at 215 lbs each.  |   | N/A  |
| _  | HULL FEATURES   |   | N//A   |
| 8  | Rigid aluminum deep-v monohull with polyurethane membrane and closed-cell foam-backed air collar with a drop-down bow door (15" – 24") with handrails and telescopic dive ladder that shall reach the ground when beached. Front bow door shall not be a "loading ramp" style. A flat bow is unacceptable.                      |   | N/A  |
| 9  | Hull shall be constructed of corrosion resistant marine-grade aluminum alloy 5086.  |   | N/A  |
| 10 | Deck plates shall be constructed of corrosion resistant marine-grade aluminum alloy 5086.   |   | N/A  |
| 11 | Hull plate shall be constructed out of corrosion resistant marine-grade aluminum alloy 5086 and shall be at least 1/4" thick.   |   | N/A  |
| 12 | Deck plates shall be constructed out of corrosion resistant marine-grade aluminum alloy 5086 and shall be at least 3/16" thick.   |   | N/A  |
|    | Hull, deck and cabin structures shall have a continuous weld along the entire length of the metal joints.   |   | N/A  |
| 14 | Fuel tank shall be aluminum, fully sealed with a continuous weld, and be placed to balance vessel weight.   |   | N/A  |
| 15 | 5 7   |   | N/A  |
| 16 | Hydraulic trim tabs shall be attached on the port and starboard side of the transom below the water line.   |   | N/A  |
| 17 | Hull shall be equipped with a reinforced keel guard/beaching plate.   |   | N/A  |
| 18 | Hull shall have sufficient stability to allow two (2) fully geared officers, with a total weight of 430 lbs. to work over the same side of the vessel.  |   | N/A  |
| 19 | Vessel shall be equipped with a drop-down bow door, handrails and telescoping dive ladder. Drop-down door shall measure 20" (+/- 4").   |   | N/A  |
| 20 | Hull shall be fitted with welded bow and stern eyes for towing and/or trailering.   |   | N/A  |
| 21 | Hull fore and aft shall be self-bailing, designed in such a manner all compartments will self-drain within 90 seconds.  |   | N/A  |
| 22 | Deck fore and aft shall be self-bailing, designed in such a manner that any awash deck of the vessel will self drain within 90 seconds.   |   | N/A  |
| 23 | Performance wings/fins, or equivalent, shall be welded to the hull below the collar.  |   |  |
| 24 | Welded anode mounts with sacrificial anodes for salt/fresh water.   |   | N/A  |
| 25 | Hull shall include strakes, spray rails and shall have a continuous weld along the hull.  COLLAR  |   | N/A  |
| 26 | Enclosed D-shaped collar shall be constructed of a closed-cell, foam-backed air bladder.  |   | N/A  |
| 27 | Outer layer shall be polyurethane coated.   |   | N/A  |
| 28 | All seams shall be thermo-welded/bonded and stitched with UV-resistant PTFE thread for additional strength, durability, and UV protection.  |   | N/A  |
| 29 | Collar system shall include a rub strake.   |   | N/A  |
| 30 | Collar system shall incorporate personnel recovery cutouts on the port and starboard side of the aft deck.  |   | N/A  |
| 31 | Collar system shall have independent compartments for the bow, port and starboard side.   |   | N/A  |
| 32 | Port and starboard collar system compartments shall run from the transom to the bow compartment.  |   | N/A  |
| 33 | Collar shall be gray in color w/dark color rub strake.  |   | N/A  |
|    | CABIN   |   |  |
| 34 | Full cabin shall be built out of aluminum, fully enclosed walk-thru design, center isle way with step down into front cuddy cabin. Grab rails shall be installed around the cabin.  |   | N/A  |
| 35 | Full cabin shall be the full width of the beam.   |   | N/A  |
| 36 | Front cuddy cabin shall be walk thru to open bow area.  |   | N/A  |
| 37 | Front cuddy cabin shall include storage under cushioned bench seat areas.   |   | N/A  |
| 38 | Full cabin shall have a bench style seating with storage underneath.  |   |  |
| 39 | Full cabin shall be outfitted with side slider doors (full glass) at both the port and starboard helm positions. Front cuddy cabin shall have cabin access door and front access hatch/door to bow. Sliding windows shall be installed where appropriate throughout the cabin for additional ventilation and air flow.          |   | N/A  |
| 40 | Full cabin shall have window skylights for added visibility and light admittance.   |   | N/A  |
| 41 | Full cabin and front cuddy cabin interior shall be insulated.   |   | N/A  |
| 42 | Full cabin and front cuddy cabin walls and ceiling shall be carpeted.   |   | N/A  |
| 43 | Full cabin roof shall be coated with heat reducing paint.   |   | N/A  |
| 44 | A vertical long gun lockable storage locker shall be incorporated into the design of the full cabin. Locker shall hold 2 long guns with a length of 40".  |   | N/A  |
| 45 | A rooftop mounted air conditioner unit with heat strips shall be installed. The unit shall be at least 15K BTU.   |   | N/A  |
| 46 | A CO monitor and automatic generator shutdown shall be installed if required by USCG regulations.   |   | N/A  |
| 47 | Minimum of (2) 3-speed 12v fans shall be installed in the full cabin.   |   | N/A  |
| 48 | Full cabin shall be equipped with hand/grab rails near the aft door and on the sides of the cabin.  |   | N/A  |
| 49 | Roof-mounted equipment not limited to the Marine radio, AIS, loudhailer, FLIR, spotlight and radome shall utilize a hinged pedestal to allow for a lower clearance height when trailering. All equipment shall be mounted at lowest available height and utilize folding tower when possible to maintain lowest trailer height. |   | N/A  |
| 50 | Cuddy cabin shall be equipped with a flushing head (no overboard discharge) installed in the cuddy w/ removable privacy screen/divider between the full cabin and the front cuddy cabin.  |   | N/A  |
| 51 | A microwave and refrigerator shall be incorporated into full cabin or front cuddy cabin layout.   |   | N/A  |
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| Section   Compartment   Section      | connection, muffled exhaust thru transom and raw water strainer. A high-speed sea chest shall be installed if raw water intake will be affected by high-  | IN/A              |
| 54   Accordant in the second or the second   |   | N/A               |
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| Process of the process of the programme general property agreement of the process of the proce   |   | N/A               |
| DECK LOCKER   NA   NA   NA   | 70 Bench seat(s) with storage shall be installed in the full cabin's aft section.   |                   |
| To Continue dama to the worked to find shouture.   NA   NA   |   | N/A               |
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| Part   Compartment closers shall alloth and lock and be keped alike.   PITTINGS AND DECK EQUIPMENT   |   |                   |
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| 75 Mornium count of eight [3] -10" alumnum standard cleats located on port and starboard, forward, aft, and amrichips.  76 Clease shall be thip weeded to the gunwale.  77 Part of mis shall be fully weeded to the personnel recovery clouds.  78 Part of mis shall be fully weeded above the gunwale.  79 Part of mis shall be fully weeded above the gunwale.  80 Part of mis shall be piaced on the full cabin exterior to allow gunwale walking access.  80 Part of mis shall be piaced on the full cabin exterior to allow gunwale walking access.  81 The vesses shall be equipped with dimmable light entiting dodd (LED) dick lights.  82 The vesses shall be equipped with dimmable light entiting dodd (LED) dick lights.  83 Dock lighting shall be mounted on the port and starboard sides below the gunwale and angied to illuminate the deck.  84 LED deck lighting shall be the outside of the starboard sides below the gunwale and angied to illuminate the deck.  85 Dock lighting shall be the selection mounted on the port and starboard sides below the gunwale and angied to illuminate the deck.  86 Navigation lights shall be hard wired and full in accordance with the latest revision of the fulled distance Coast Guard (USCG) Navigation Rules and Regulations than the exterior mounted on the cabin.  87 An all-around white LED light shall be mounted to the cabin and include a solid aluminum societ with removable post and quick disconnect electrical light and the distance of the cabin and include a solid aluminum societ with removable post and quick disconnect electrical light and the distance of the cabin and include a solid aluminum societ with removable post and quick disconnect electrical light and all the defaultable in the mounted to the cabin and include a solid aluminum societ with removable post and quick disconnect electrical light and the defaultable with the sale than the sale and |   |                   |
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| Name and a shall acted off to the personnel recovery cutouts.   NA   |   |                   |
| 80 Hadrardas shall actend aft to the transom from the recovery cutouts.  18 (Garb mins labe placed on the full calab nesterior to allow gunwale walking access.  18 (Farb mins labe placed on the full calab nesterior to allow gunwale walking access.  18 (Farb mins labe placed on the full calab nesterior to allow gunwale walking access.  18 (Farb mins labe placed on the full calab nesterior to allow gunwale walking access.  18 (Farb mins labe placed on the full calab nesterior to allow gunwale walking access.)  18 (Farb mins labe placed on the full calab nesterior to the port and starboard sides below the gunwale and angled to illuminate the deck.  18 (Farb mins labe) (Farb mins l |   |                   |
| State   Tree (2) matching Mercury Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Tree (2) matching Mercury Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Tree (2) matching Mercury Seapro, or equivalent, competible.   Seapro   Seapro, or equivalent competible.   Seapro   Seapro, or equivalent, competible.   Seapro   Seapro, or equivalent competible.   Seapro   Seapro, or equivalent competible.   Seapro   Seapro, or equivalent, competible.   Seapro   Seapro, or equivalent competible.   Seapro   Seapro, or equivalent, competible.   Seapro   Seapro, or equivalent competible.   Seapro   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercial grade engines performance capability of minimum 50MPH).   Seapro, or equivalent, commercia   |   |                   |
| Section   Committee   Commit   |   |                   |
| 83 Deck lighting shall her mounted on the port and starboard sides below the gunwale and anjed to literimitate the deck.    NAI   LED deck lighting shall have the capability to loggle between white, can, and off.   NAVIGATION LIGHTS   Navigation lights shall be that divided and built in accordance with the latest revision of the United States Coast Guard (USCG) Navigation Rules and Regulations Handbook at the time of vasses build.   NAI   Regulations Handbook at the time of vasses build.   NAI   Regulations Handbook at the time of vasses build.   NAI   An all around white [15] high shall be notine mounted on the cabin.   NAI   An all around white [15] high shall be mounted to the cabin and include a solid alluminum socket with removable post and quick disconnect electrical plot.   NAI   NAI   NAI   NAI   The all-around light mount shall include weided D-rings for flag attachment.   BOARDING LADDER   PROPULSION SYSTEM   PROPULSION SY | DECK LIGHTING   |                   |
| Main      |   |                   |
| NAVIGATION LIGHTS  Navigation lights shall be hard wired and built in accordance with the latest revision of the United States Coast Guard (USCG) Navigation Rules and Regulators Handbook at the time of vessel build.  Regulations Handbook at the time of vessel build.  Navigation lights shall be exterior mounted on the catin.  Na Navigation lights shall be settled revision and include a solid aluminum socket with removable post and quick disconnect electrical plus, and all-around white LED light shall be mounted to the cabin and include a solid aluminum socket with removable post and quick disconnect electrical plus, and all all plus and the detachable via through-pin.  Na Na Navigation lights shall be educated between the fuel tank and seath engines.  **PROPULSION SYSTEM**  **PROPULSION SYSTEM**  **ENGINE TYPE**  **ENGINE TYPE**  **ENGINE TYPE**  **ENGINE TYPE**  **In a laround white light mount shall include via detachable via through-pin.  Na Navigation lights shall be properly and the detachable via through-pin.  **In a laround white light mount shall include with a laround shall be properly and the plus shall be graperly and the plus shall be graperly and the properly and th |   |                   |
| Section   Sect   |   | 1071              |
| Section   Sect   | 85 Navigation lights shall be hard wired and built in accordance with the latest revision of the United States Coast Guard (USCG) Navigation Rules and  | N/A               |
| 87 An al-around white LED light shall be mounted to the cabin and include a solid aluminum socket with removable post and quick disconnect electrical plots.  88 The all-around white light shall be detachable via troub, pin.  89 The all-around light mount shall include weided through pin.  80 Shall include transom telescoping boarding ladder.  80 Shall include transom telescoping to a specification of the specif |   | N/A               |
| 8 The all-around white light shall be detachable via through-pin. N/A  9 The all-around light mount shall include welded D-rings for flag attachment.  BOARDING LADDER  90 Shall include transom telescoping boarding ladder.  PROPULSION SYSTEM  ENGINE TYPE  91 Two (2) matching Mercury Seapro, or equivalent, commercial grade engines (performance capability of minimum 55MPH).  92 Engines shall be gas-powered, 4-stroke.  93 Morcury Yessel View Mobile Module, or equivalent compatible. (Engine diagnostics shall also relay through Garmin MFD).  94 Morcury Smartrart Connect including fuel level sensor, or equivalent compatible.  95 Engines shall be property "un in" according to manufacturer specifications.  96 Push button start.  97 Shall be electronic shift and throttle.  98 Vessels shall be quipped with an Engine Cut-Off Switch (ECOS) system compatible with the selected engine.  99 Vessels shall be equipped with macrury Joystick Ploiting with Skyhook, or equivalent.  90 Propellers shall be made from stainless steel.  90 Propellers shall be convolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT).  90 Propellers shall be convolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT).  91 Twin engines on the same boat shall be keyed the same.  92 Propellers shall be of a type specified by the engine manufacturer's guidelines at wide open throttle (WOT).  93 Twin engines on the same boat shall be keyed the same.  94 Propellers shall be of a type specified by the engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted att.  95 The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted att.  96 Public fuel translated be provided with a minimum of 3 clearance under the bowl for draining.  97 Twin engines on the same boat shall be keyed the same.  98 Propulsion |   |                   |
| BOARDING LADDER    PROPULSION SYSTEM   |   |                   |
| BOARDING LADDER    Shall include transom telescoping boarding ladder.   N/A  |   |                   |
| Shall include transom telescoping boarding ladder.   PROPULSION SYSTEM ENGINE TYPE   |   | N/A               |
| PROPULSION SYSTEM  FINGIR TYPE  91 Two (2) matching Mercury Seapro, or equivalent, commercial grade engines (performance spability of minimum 55MPH).  92 Engines shall be gas-powered, 4-stroke.  93 Mercury Visesel View Mobile Module, or equivalent compatible. (Engine diagnostics shall also relay through Garmin MFD).  94 Mercury Visesel View Mobile Module, or equivalent compatible. (Engine diagnostics shall also relay through Garmin MFD).  95 Engines shall be properly "ru in" according to manufacturer specifications.  96 Push button start.  97 Shall be electronic shift and throttle.  98 Vessels shall be equipped with an Engine Cut-Off Switch (ECOS) system compatible with the selected engine.  99 Vessel shall be equipped with Mercury Joystick Piloting with Skyhook, or equivalent.  90 Propellers shall be made from stainless steel.  910 Propellers shall be made from stainless steel.  910 Propellers shall be counter rotating.  910 Propellers shall be counter rotating.  910 Propellers shall be sized so revolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT).  910 All cabinets and compartments within the vessel shall be keyed the same.  910 Propellers shall be sized so revolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT).  910 All cabinets and compartments within the vessel shall be keyed the same.  910 Filter shall be minuted at the size of the same of the same shall be sized so revolutions per minute (RPM) fall in the middle of the manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted at the size of the same of the same shall be placed between the fuel tank and each engine.  910 Filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  911 Shall include a shalless-steel wheel including a speed knob.  912 Steering shall be a stainless-steel wheel including a speed knob.  913 Shall include a stainless-steel wheel including a speed  |   | N/A               |
| 191 Two (2) matching Mercury Seapro, or equivalent, commercial grade engines (performance capability of minimum 55MPH).  192 Engines shall be gas-powered, 4-stroke.  193 Mercury Vessel View Mobile Module, or equivalent compatible. (Engine diagnostics shall also relay through Garmin MFD).  194 Mercury Smartcraft Connect including fuel level sensor, or equivalent compatible.  195 Engines shall be properly "run in" according to manufacturer specifications.  196 Push button start.  197 Shall be electronic shift and throttle.  198 Vessels shall be equipped with fuerty Joystick Piloting with Skyhook, or equivalent.  199 Vessel shall be equipped with Mercury Joystick Piloting with Skyhook, or equivalent.  190 Propellers shall be made from stainless steel.  190 Propellers shall be made from stainless steel.  191 Port engine propeller shall be counter rotating.  192 Port engine propeller shall be counter rotating.  193 Twin engines on the same boat shall be keyed the same.  194 All cabinets and compartments within the vessel shall be keyed the same.  195 The fuel hoses shall be of a type specified by the engine manufacturer.  196 The fuel hoses shall be of a type specified by the engine manufacturer.  197 File fuel hoses shall be of a type specified by the engine manufacturer.  198 The fuel hoses shall be for each outboard shall have, per engine manufacturer.  199 The filer shall be mounted with a minimum of 4" clearance under the bowl for draining.  190 The filer shall be mounted with a minimum of 4" clearance under the bowl for draining.  190 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  190 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  191 Stall be given by the series of a stainless-steel wheel including a speed knob.  191 Shall be power hydraulic steering.  291 Steering shall be set to 2-3 full turns "lock to lock."  292 Steering shall be set to 2-3 full turns "lock to lock."  293 Steering shall be set to 2-3 full turns "lock to lo |   |                   |
| Engines shall be gas-powered, 4-stroke.   N/A  |   |                   |
| Mercury Vessel New Mobile Module, or equivalent compatible. (Engine diagnostics shall also relay through Garmin MFD).  |   | N/A               |
| Mercury Smartcraft Connect Including fuel level sensor, or equivalent compatible.   Sengines shall be properly "run in" according to manufacturer specifications.   SIN/A  |   | N/A               |
| ENGINE CONTROLS    Push button start.  |   |                   |
| 96 Push button start.   N/A 97 Shall be electronic shift and throttle.   N/A 97 Vessels shall be equipped with an Engine Cut-Off Switch (ECOS) system compatible with the selected engine.   N/A 98 Vessel shall be equipped with mercury Joystick Piloting with Skyhook, or equivalent.   N/A 99 Vessel shall be equipped with Mercury Joystick Piloting with Skyhook, or equivalent.   N/A 100 Propellers shall be made from stainless steel.   N/A 101 Port engine propeller shall be counter rotating.   N/A 102 Propellers shall be sized so revolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT).   N/A 103 Twin engines on the same boat shall be keyed the same.   N/A 104 All cabinets and compartments within the vessel shall be keyed the same.   N/A 105 The fuel hoses shall be of a type specified by the engine manufacturer.   FUEL FILTERWATER SEPARATORS 106 The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.   N/A 106 The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.   N/A 105 The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.   N/A 107 Each unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter.   N/A 108 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.   N/A 109 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.   N/A 110 I/4 turn shut off valves shall be installed before and after the filters.   N/A 111 Shall be power hydraulic steering.   N/A 112 Steering wheel shall have tilling capability.   N/A 113 Shall include a stainless-steel wheel including a speed knob.   N/A 114 Steering wheel shall have tilling capabi | 95 Engines shall be properly "run in" according to manufacturer specifications.   | N/A               |
| 97 Shall be electronic shift and throttle. 98 Vessels shall be equipped with an Engine Cut-Off Switch (ECOS) system compatible with the selected engine. 99 Vessel shall be equipped with Mercury Joystck Piloting with Skyhook, or equivalent.  PROPELLERS  101 Popellers shall be made from stainless steel. 102 Propellers shall be sized so revolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT). 103 Twin engines on the same boat shall be keyed the same. 104 All cabinets and compartments within the vessel shall be keyed the same. 105 The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft. 107 Each unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter. 108 Filters shall be placed between the fuel tank and each engine. 109 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining. 110 If the wind the minimal problem of the fuel tank and each engine. 111 Jul turn shut off valves shall be installed before and after the filters. 112 Steering wheel shall have steering. 113 Shall include a stainless-steel wheel including a speed knob. 114 Steering wheel shall have titling capability. 115 Remote hydraulic filled reservoir mounted in dry helm space. 116 N/A 117 Remote hydraulic filled reservoir mounted in dry helm space. 117 Remote hydraulic filled reservoir mounted in dry helm space. 118 N/A 119 Remote hydraulic filled reservoir mounted in dry helm space.  |   |                   |
| Vessels shall be equipped with an Engine Cut-Off Switch (ECOS) system compatible with the selected engine.   N/A   |   |                   |
| 99 Vessel shall be equipped with Mercury Joystick Piloting with Skyhook, or equivalent.  PROPELLERS  100 Propellers shall be made from stainless steel. 101 Port engine propeller shall be counter rotating. 102 Propellers shall be sized so revolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT).  N/A  KEYS  103 Twin engines on the same boat shall be keyed the same. 104 All cabinets and compartments within the vessel shall be keyed the same.  PROPULSION FUEL SYSTEM  FUEL FILTERWATER SEPARATORS  105 The fuel hoses shall be of a type specified by the engine manufacturer. 106 The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft. 107 Each unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter. 108 Filters shall be mounted with a minimum of 4" clearance under the bowl for draining. 109 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  110 I/4 turn shut off valves shall be installed before and after the filters.  STEERING SYSTEM  HYDRAULIC STEERING  111 Shall be power hydraulic steering. 112 Steering shall be set to 2-3 full turns "lock to lock." 113 Shall include a stainless-steel wheel including a speed knob. 114 Steering wheel shall have tilting capability. 115 Remote hydraulic fluid reservoir mounted in dry helm space.  |   |                   |
| PROPELLERS    N/A   N/A  |   | 107.              |
| Port engine propeller shall be counter rotating.    Propellers shall be sized so revolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT).    KEYS   | PROPELLERS  |                   |
| 102 Propellers shall be sized so revolutions per minute (RPM) fall in the middle of the manufacturer's guidelines at wide open throttle (WOT).  KEYS  103 Twin engines on the same boat shall be keyed the same.  PROPULSION FUEL SYSTEM  FUEL FILTER/WATER SEPARATORS  105 The fuel hoses shall be of a type specified by the engine manufacturer.  The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.  107 Each unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter.  108 Filters shall be placed between the fuel tank and each engine.  109 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  110 1/4 turn shut off valves shall be installed before and after the filters.  STEERING SYSTEM  HYDRAULIC STEERING  111 Shall be power hydraulic steering.  112 Steering shall be set to 2-3 full turns "lock to lock."  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/  |   |                   |
| KEYS  Twin engines on the same boat shall be keyed the same.  All cabinets and compartments within the vessel shall be keyed the same.  PROPULSION FUEL SYSTEM  FUEL FILTER/WATER SEPARATORS  The fuel hoses shall be of a type specified by the engine manufacturer.  The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.  The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.  The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and large train mounted aft.  The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and large train mounted aft.  N/A  The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and large train mounted aft.  N/A  N/A  The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and large train mounted aft.  N/A  N/A  N/A  N/A  The fuel supply hose for each outboard shall have engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and large train mounted aft.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/   |   |                   |
| 103 Twin engines on the same boat shall be keyed the same.  PROPULSION FUEL SYSTEM  FUEL FILTERWATER SEPARATORS  The fuel hoses shall be of a type specified by the engine manufacturer.  The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.  107 Each unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter.  108 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  109 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  110 I/4 turn shut off valves shall be installed before and after the filters.  STEERING SYSTEM  HYDRAULIC STEERING  111 Shall be power hydraulic steering.  112 Steering shall be set to 2-3 full turns "lock to lock."  N/A  113 Shall include a stainless-steel wheel including a speed knob.  N/A  115 Remote hydraulic fluid reservoir mounted in dry helm space.  N/A  |   | IV/A              |
| PROPULSION FUEL SYSTEM  FUEL FILTER/WATER SEPARATORS  105 The fuel hoses shall be of a type specified by the engine manufacturer. N/A 106 The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.  107 Each unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter. N/A 108 Filters shall be placed between the fuel tank and each engine. N/A 109 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining. N/A 110 1/4 turn shut off valves shall be installed before and after the filters.  STEERING SYSTEM  HYDRAULIC STEERING  111 Shall be power hydraulic steering. N/A 112 Steering shall be set to 2-3 full turns "lock to lock." N/A 113 Shall include a stainless-steel wheel including a speed knob. N/A 114 Steering wheel shall have tilting capability. N/A 115 Remote hydraulic fluid reservoir mounted in dry helm space. N/A  |   | N/A               |
| FUEL FILTER/WATER SEPARATORS  105 The fuel hoses shall be of a type specified by the engine manufacturer.  106 The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and crain mounted aft.  107 Each unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter.  108 Filters shall be placed between the fuel tank and each engine.  109 The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  100 If the filter shall be installed before and after the filters.  101 If the shall be mounted with a minimum of 4" clearance under the bowl for draining.  102 STEERING SYSTEM  HYDRAULIC STEERING  111 Shall be power hydraulic steering.  112 Steering shall be set to 2-3 full turns "lock to lock."  113 Shall include a stainless-steel wheel including a speed knob.  114 Steering wheel shall have titing capability.  115 Remote hydraulic fluid reservoir mounted in dry helm space.  116 N/A  117 Remote hydraulic fluid reservoir mounted in dry helm space.   | 104 All cabinets and compartments within the vessel shall be keyed the same.  | N/A               |
| 105   The fuel hoses shall be of a type specified by the engine manufacturer.  |   |                   |
| The fuel supply hose for each outboard shall have, per engine manufacturer's specification, an inline fuel filter/water separator with clear water bowl and drain mounted aft.    Teach unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter.   |   | N/A               |
| drain mounted aft.   Seach unit shall be minimally rated to 30 Gallons Per Hour (GPH) & 10-micron filter.   NI/A   |   |                   |
| The filters shall be placed between the fuel tank and each engine.   N/A   |   |                   |
| 109   The filter shall be mounted with a minimum of 4" clearance under the bowl for draining.  |   |                   |
| 110   1/4 turn shut off valves shall be installed before and after the filters.   STEERING SYSTEM  |   |                   |
| STEERING SYSTEM   HYDRAULIC STEERING   |   |                   |
| 111     Shall be power hydraulic steering.     N/A       112     Steering shall be set to 2-3 full turns "lock to lock."     N/A       113     Shall include a stainless-steel wheel including a speed knob.     N/A       114     Steering wheel shall have tilting capability.     N/A       115     Remote hydraulic fluid reservoir mounted in dry helm space.     N/A   | STEERING SYSTEM   |                   |
| 112     Steering shall be set to 2-3 full turns "lock to lock."     N/A       113     Shall include a stainless-steel wheel including a speed knob.     N/A       114     Steering wheel shall have tilting capability.     N/A       115     Remote hydraulic fluid reservoir mounted in dry helm space.     N/A  |   |                   |
| 113       Shall include a stainless-steel wheel including a speed knob.       N/A         114       Steering wheel shall have tilting capability.       N/A         115       Remote hydraulic fluid reservoir mounted in dry helm space.       N/A  | TIT I Shall be power hydraulic eteering   |                   |
| 114     Steering wheel shall have tilting capability.     N/A       115     Remote hydraulic fluid reservoir mounted in dry helm space.     N/A  |   |                   |
| 115 Remote hydraulic fluid reservoir mounted in dry helm space. N/A  | 112 Steering shall be set to 2-3 full turns "lock to lock."   |                   |
| 116   Shall include hydraulic control hoses.   | 112 Steering shall be set to 2-3 full turns "lock to lock." 113 Shall include a stainless-steel wheel including a speed knob.   | N/A               |
|  | 112     Steering shall be set to 2-3 full turns "lock to lock."       113     Shall include a stainless-steel wheel including a speed knob.       114     Steering wheel shall have tilting capability.       115     Remote hydraulic fluid reservoir mounted in dry helm space. | N/A<br>N/A<br>N/A |

| 117 Twin engine steering rack sized for engines.  118 Hydraulic system shall be delivered with hydraulic fluid and purged of air.  COMMUNICATION/NAVIGATION SYSTEM  | N/A   |
|---|---|
|   | N/A   |
| DADIO   |   |
| RADIO  119 Loudhailer and law enforcement lighting control - Whelen WPA3BM, or equivalent.  |   |
| 120 One (1) Marine Radio – Garmin 315 VHF radio w/AIS   | N/A   |
| 121 One (1) Garmin AIS 800 Blackbox transceiver   | N/A   |
| 122 OPRHP provided police radio shall be installed.  GPS/RADAR SYSTEM   | N/A   |
| 123 Two (2) 16" Garmin GPSMAP 8616xsv with Sonar displays (helm / co-pilot station) with thru-hull mounted CHIRP transducer(s) capable of downscan  |   |
| and sidescan, or equivalent.  |   |
| 124 Radar antenna - Garmin GMR 24xHD, or compatible equivalent.  125 Vessel shall be equipped with FLIR M364 with active gyro stabilization low light and thermal camera with pan/tilt and minimum 4x electronic zoom, or   |   |
| equivalent. Device shall be fixed mounted on a riser and be compatible with installed multifunctional displays.   |   |
| 126 Vessel shall be equipped with a Fusion RA70 Marine Stereo, or equivalent, and minimum of 4 speakers within the cabin.   |   |
| MAGNETIC COMPASS  | N/A   |
| 127 Shall have a 5" dome style magnetic compass mounted at the helm.  128 Compass shall be flush mounted, backlit and dimmable.   | N/A<br>N/A  |
| ANTENNA   | 13/73   |
| 129 The communications and navigation antennas shall be mounted on the cabin.   | N/A   |
| 130 All radio antennas above the radar antenna shall have a ratchet mount so they can be lowered to reduce overhead clearance.  ELECTRICAL SYSTEMS  | N/A   |
| COMPONENTS  |   |
| 131 Electrical components to be Blue Sea Systems, or equivalent.  |   |
| WIRING  433 All wide a shall be complicate with American Post and Yacht Causell (ADVC) wide line.   | I N/A   |
| 132 All wiring shall be compliant with American Boat and Yacht Council (ABYC) guidelines.  133 Wiring shall be color-coded for use as per ABYC guidelines; using ABYC standard: "E-11, AC & DC Electrical Systems, Table 12".   | N/A<br>N/A  |
| BATTERIES   |   |
| 134 Shall include one (1) port starting battery.  | N/A   |
| 135 Shall include one (1) starboard starting battery.  136 Shall include minimum one (1) house battery.   | N/A<br>N/A  |
| 137 Batteries shall be installed.   | N/A   |
| 138 Batteries shall be absorbed glass mat (AGM) batteries, 12 volts, type 31, CCA 925-1100.   | N/A   |
| 139 Batteries shall not be lithium.  BATTERY SWITCHES   | N/A   |
| 140 Individual battery switches shall be installed.   | N/A   |
| 141 Each battery switch shall be rated for a minimum of 1200 CCA.   | N/A   |
| 142 Battery switches shall allow dual circuit and battery combine - Blue Sea Systems 5511e, or equivalent.  BATTERY CHARGER   |   |
| 143 Capable of charging at least three (3) or more isolated batteries.  | N/A   |
| BATTERY ISOLATORS   | <u>.</u>  |
| 144 The electronics (House) battery shall be charged by one of the two engines and battery charger.   | N/A   |
| 145 The House battery shall be protected by a battery isolator to prevent it from drawing power from the engine starting batteries.  146 Engine starting batteries shall be isolated form each other to prevent them from drawing power from each other, or the House battery.  | N/A<br>N/A  |
| 12 VOLT DISTRIBUTION PANEL  |   |
| 147 All circuits shall go through resettable push-button breakers. Inline fuses are not acceptable.   | N/A   |
| 148 The 12V main power panel shall incorporate overload protection.  PLUGS  | N/A   |
| 149 At least four 12V DC marine grade power receptacles throughout the helm and cabin.  | N/A   |
| 150 At least four USB-C receptacles shall be installed throughout the helm and cabin.   | N/A   |
| 151 At least four USB receptacles shall be installed throughout the helm and cabin.  VESSEL EXTERIOR LIGHTING/SIREN   | N/A   |
| LIGHTING  |   |
| 152 All vessel lighting shall be LED including the vessel shall be fitted with US Coast Guard (USCG) approved running lights (port, starboard, anchor) in   | N/A   |
|   |   |
| conformance with all Federal and State laws.  |   |
|   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light  | N/A<br>N/A  |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light  155 Windshield Wipers   | N/A<br>N/A<br>N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light  | N/A<br>N/A  |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bige pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting  159 Light and State laws.   | N/A<br>  N/A<br>  N/A<br>  N/A<br>  N/A<br>  N/A  |
| conformance with all Federal and State laws.  HELM DASH  153 Hom  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off.   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bige pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting  159 Light and State laws.   | N/A<br>  N/A<br>  N/A<br>  N/A<br>  N/A<br>  N/A  |
| conformance with all Federal and State laws.  HELM DASH  153 Hom  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bijge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights  | N/A   N/A |
| conformance with all Federal and State laws.  HELM DASH  153 Hom  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs  | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Hom  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bijge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights  | N/A   N/A |
| conformance with all Federal and State laws.  HELM DASH  153 Hom  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs 164 Starboard Spreader Lights 165 Law enforcement lighting package shall include a flashing blue LED light ar with 360-degree visibility with no blind spots to the public.  | N/A   N/A |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 159 Instrument / Dash Lights 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs 164 Starboard Spreader Lights 165 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 166 Blue LED light bar shall be a minimum of 40°.   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 150 Port Spreader Lights 151 Forward Spreader Lights 152 Aft Spreader Lights 153 Electronic controls for the hydraulic trim tabs 154 Sarboard Spreader Lights 155 Eave enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 158 Electronic results and the public of | N/A   N/A |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 159 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs 164 Starboard Spreader Lights 165 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 166 Blue LED light bar shall be a minimum of 40°. 167 Emergency loudhalier switch shall be a 3-way rocker toggle between off, aft only, and all.  168 All dash mounted switches shall be individual rocker toggle switches.   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bige pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs 164 Starboard Spreader Lights 165 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 166 Blue LED light bar shall be a minimum of 40°. 167 Emergency loudhailer switch shall be a 3-way rocker toggle between off, aft only, and all.  168 All dash mounted switches shall be individual rocker toggle switches. 169 All switches shall be Contura Marine Switches, or equivalent, with dimmable backlit option.   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 150 Port Spreader Lights 151 Forward Spreader Lights 152 Aft Spreader Lights 153 Electronic controls for the hydraulic trim tabs 154 Sarboard Spreader Lights 155 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 156 Blue LED light bar shall be a minimum of 40°. 157 Emergency loudhailer switch shall be a 3-way rocker toggle between off, aft only, and all. 158 All dash mounted switches shall be individual rocker toggle switches. 159 All switches shall be Contura Marine Switches, or equivalent, with dimmable backlit option. 150 COMPARTMENT LIGHTS   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bige pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs 164 Starboard Spreader Lights 165 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 166 Blue LED light bar shall be a minimum of 40°. 167 Emergency loudhailer switch shall be a 3-way rocker toggle between off, aft only, and all. 168 All dash mounted switches shall be individual rocker toggle switches. 169 All switches shall be Contura Marine Switches, or equivalent, with dimmable backlit option.  | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bige pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs 164 Starboard Spreader Lights 165 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 166 Bue LED light bar shall be a minimum of 40". 167 Emergency loudhailer switch shall be a 3-way rocker toggle between off, aft only, and all.  168 All dash mounted switches shall be individual rocker toggle switches. 169 All switches shall be Contura Marine Switches, or equivalent, with dimmable backlit option. 170 All compartment lights shall include automatic white lighting when compartment is opened. 171 Vessel shall contain one (1) remote control spotlight.   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs 164 Starboard Spreader Lights 165 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 166 Blue LED light bar shall be a minimum of 40". 167 Emergency louchailer switch shall be a 3-way rocker toggle between off, aft only, and all.  168 All dash mounted switches shall be individual rocker toggle switches. 169 All switches shall be Contrua Marine Switches, or equivalent, with dimmable backlit option.  170 All compartment lights shall include automatic white lighting when compartment is opened.  171 Vessel shall contain one (1) remote control spotlight. 172 Remote control spotlight shall be mounted on the roof of the cabin.   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light 155 Windshield Wipers 156 Bige pump toggle switch which will allow the user to toggle between automatic, off, and manual. 157 Instrument / Dash Lights 158 Deck Courtesy Lighting 159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off. 160 Port Spreader Lights 161 Forward Spreader Lights 162 Aft Spreader Lights 163 Electronic controls for the hydraulic trim tabs 164 Starboard Spreader Lights 165 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public. 166 Bue LED light bar shall be a minimum of 40". 167 Emergency loudhailer switch shall be a 3-way rocker toggle between off, aft only, and all.  168 All dash mounted switches shall be individual rocker toggle switches. 169 All switches shall be Contura Marine Switches, or equivalent, with dimmable backlit option. 170 All compartment lights shall include automatic white lighting when compartment is opened. 171 Vessel shall contain one (1) remote control spotlight.   | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Hom  154 Navigation Light and Anchor Light  155 Windshield Wipers  156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual.  157 Instrument / Dash Lights  158 Deck Courtesy Lighting  159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off.  160 Port Spreader Lights  161 Forward Spreader Lights  162 Aft Spreader Lights  163 Electronic controls for the hydraulic trim tabs  164 Starboard Spreader Lights  165 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public.  166 Blue LED light bar shall be a minimum of 40°.  167 Emergency loudhailer switch shall be a 3-way rocker toggle between off, aft only, and all.  168 All dash mounted switches shall be individual rocker toggle switches.  169 All switches shall be Contura Marine Switches, or equivalent, with dimmable backlit option.  170 All compartment lights shall include automatic white lighting when compartment is opened.  171 Vessel shall contain one (1) remote control spotlight.  172 Remote control spotlight shall be a white light with 450,000 candela minimum.  173 Remote control spotlight shall allow for a minimum of 180-degree rotation illuminating from port and starboard beams forward.  | N/A   |
| Conformance with all Federal and State laws.   HELM DASH  | N/A   |
| Conformance with all Federal and State laws.   HELM DASH  | N/A   |
| conformance with all Federal and State laws.  HELM DASH  153 Horn  154 Navigation Light and Anchor Light  155 Windshield Wipers  156 Bilge pump toggle switch which will allow the user to toggle between automatic, off, and manual.  157 Instrument / Dash Lights  158 Deck Courtesy Lighting  159 Instrument / Dash Lights shall be dimmable and able to toggle between white LED lights, red LED lights, and off.  150 Port Spreader Lights  151 Forward Spreader Lights  152 Electronic controls for the hydraulic trim tabs  153 Electronic controls for the hydraulic trim tabs  154 Starboard Spreader Lights  155 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public.  156 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public.  157 Emergency loudhailer switch shall be a minimum of 40°.  158 Law enforcement lighting package shall include a flashing blue LED light bar with 360-degree visibility with no blind spots to the public.  158 All dash mounted switches shall be a minimum of 40°.  159 All switches shall be contura Marine Switches, or equivalent, with dimmable backlit option.  170 All compartment lights shall include automatic white lighting when compartment is opened.  171 Vessel shall contain one (1) remote control spotlight.  172 Remote control spotlight shall be mounted on the roof of the cabin.  173 Remote control spotlight shall be a white light with 450,000 candela minimum.  174 Remote control spotlight shall be with 450,000 candela minimum.  175 Remote control spotlight shall allow for a minimum of 180-degree rotation illuminating from port and starboard beams forward.   | N/A   |
| conformance with all Federal and State laws.  HELM DASH    Savigation Light and Anchor Light  | N/A   |
| conformance with all Federal and State laws.  | N/A   |
| Conformance with all Federal and State laws.   HELM DASH  | N/A   |
| conformance with all Federal and State laws.  HELM DASH    153   Horn   | N/A   |

| 185 Include police siren producing 120 decibels minimum.  | N/A   |
|---|-------|
| 186 Include a toggle switch controlling the siren will be located on the dashboard, allowing the user to toggle between off, chirp, and wail. | N/A   |
| ANCILLARY SYSTEMS AND FURNISHINGS  ANCILLARY SYSTEMS AND FURNISHINGS  | 14/73 |
| WINDSHIELD WIPER  |       |
| 187 The vessel shall be equipped with windshield wipers.  | N/A   |
| 188 The wiper shall be dual speed, and self-parking.  | N/A   |
| 189 Wiper controls on the operator's console.   | N/A   |
| 190 Shall run off of 12 volts.  | N/A   |
| 191 Shall include windshield washer fluid nozzle kit with electronic pump.  | N/A   |
| 192 Shall have a reservoir capable of holding one (1) gallon minimum washer fluid.  | N/A   |
| 193 Reservoir shall include fill cap, and be housed in and accessible area.   | N/A   |
| 194 Final configuration shall be determined post award at no additional cost to NYSPP.  | N/A   |
| HORN  |       |
| 195   Shall be mounted on the roof of the cabin.  | N/A   |
| 196 Shall produce a minimum of 120 decibels at range of one meter.  | N/A   |
| 197 Shall run off of 12 volts.  | N/A   |
| 198 The control for the horn shall be located on the dashboard.   | N/A   |
| FIRE EXTINGUISHER   |       |
| 199 The vessel shall be equipped with at least two (2) fire extinguishers.  | N/A   |
| 200 Each fire extinguisher shall have a minimum 5 lb. capacity.   | N/A   |
| 201 Shall be UL Rated Marine Grade.   | N/A   |
| 202 Shall be mounted using United States Coast Guard (USCG) approved bracket.   | N/A   |
| AUTOMATIC BILGE PUMP  |       |
| 203 At least one (1) bilge pump with associated automatic float switch.   | N/A   |
| 204 Bilge pump shall be rated at a minimum 1500 Gallons Per Hour (GPH).   | N/A   |
| 205 The automatic connection is unswitched from house battery.  | N/A   |
| ANCHOR  |       |
| 206 One (1) appropriate sized Delta/plow style anchor.  | N/A   |
| 207 8' anti-chafing chain rode.   | N/A   |
| 208 Minimum 150' of 3/8" braided anchor line.   | N/A   |
| TYPE IV THROWABLE MOUNT   |       |
| 209 Type IV throwable and mount.  |       |
| BOAT HOOK   |       |
| 210 Vessel shall have a mounted collapsible boat hook which extends to 8' minimum when fully expanded.  | N/A   |
| TRAILER   |       |
| 211 Shall be made of aluminum.  | N/A   |
| 212 Shall be rated for the appropriate Gross Vehicle Weight Rating for the vessel proposed.   | N/A   |
| 213 Bunk style  | N/A   |
| 214 Minimum of two (2) axles.   | N/A   |
| 215 Shall have a mounted spare tire.  | N/A   |
| 216 Shall include surge brakes on both axles.   | N/A   |
| 217 Contain a 2-speed winch with strap.   | N/A   |
| 218 Include LED lights; including white LED reverse lights.   | N/A   |
| 219 Include a tongue boarding ladder.   | N/A   |
| 220 Have two (2) transom tie down straps attached to the trailer and retractable when not in use.   | N/A   |