

ARRA Port Security Marine Police Patrol Boat-Guntersville Budget Narrative

This investment is a fully-equipped long-range, high-endurance law enforcement patrol boat equipped to operate in all weather conditions and at night. Some of the items listed above are obvious for police work and port security so in the interest of brevity this narrative will highlight in order the equipment items maybe not so palpable to reviewers not working in marine law enforcement. The air and foam collar system provides extra buoyancy in rough conditions and serves as a fender during high speed approaches to moving vessels. The pilothouse and aft pilothouse doors allow the cabin to be completely enclosed protecting the crew from adverse weather, heat, cold, and gunfire. The radar arch mounts the radar array above the rest of the antennas to reduce feedback. The 24" seat allows prisoners to be transported sitting in full view of the officers while handcuffed. The sliding doors allow the crew to conduct boardings off both sides of the patrol boat for officer safety. The air ride seats allow the boat crew to remain partially seated in heavy seas without damage to the spine or heavy fatigue.

The freshwater system and marine head allow for the crew to deploy on missions lasting more than 8 hours and use legally use the bathroom and wash up. The microwave permits food to be prepared in an environment where no drive-through restaurants are available while the insulated interior keeps the noise pollution at OSHA levels and the cabin warmer on freezing nights. The electrical options mostly include halogen lights and searchlights to conduct boardings and operations at night away from any ambient shore lights and in heavy weather and fog. The raw water wash-down system lets the officers hose down the deck with water after pulling decomposing bodies or muddy dive equipment up onto the deck. The windshield wipers and washers keep ice and hard water deposits from building up on the windshield. The bilge pump keeps the boat from sinking when it rains, waves wash over the sides or bow, or if the hull gets a hole knocked in it.

The gas generator provides enough electricity to run the air conditioner, search lights, emergency lights, navigational radar, and complete electronics suite using the same fuel as the outboard engines and not requiring a separate fuel tank. The other AC electrical systems allow the bank of batteries to be recharged from shore when the boat is not out on patrol.

The 200 gallon fuel tank is necessary to run this size boat over the distances encompassed by the Port of Guntersville and the critical infrastructure and national assets along the Tennessee River. The longer duration would also allow it to operate around the clock when necessary. Unlike policing on the road, there are no gas stations on the water open after dark. The dual outboard engines provide redundancy in an emergency in case one engine breaks down or is damaged and allow the boat to maneuver better in tight quarters. The stainless steel propellers are necessary in the Tennessee River due to shallow water shoals, mussel shells, floating timber, and limestone outcroppings that chew up aluminum propellers. We run stainless steel propellers on all of our boats. The tilt helm allows different size officers to operate the boat by positioning the steering wheel for comfort and visibility. The dual trim tabs compensate for heavy payloads and off-center weight distribution when, for example, we have an entire SWAT Team lined up on one side of the boat to deploy onto another boat.

The safety equipment is what is legally required by State and Federal regulations for a commercial vessel of this size. The anchor package keeps the boat from drifting into the main shipping channel or into the dam intakes if the motors fail and permits the patrol boat to stay on station in one spot for extended periods of time without wasting fuel.

The Furuno brand navigational ancillary equipment is currently in use by the USCG on their small boats and is recognized as the standard for this type work. The radar, WAAS-enabled GPS, and chart-plotting function allow the boat to operate in zero visibility conditions, which are common in the Tennessee Valley. The autopilot and heading sensors for the engines let the operator step away from the helm momentarily to assist the other crew members with

medical emergencies when required. It also reduces fatigue on 40-50 mile runs in rough conditions with pounding waves. The Furuno bottom reading sonar provides the officers with the capability to search for limpet mines and other explosives around the State Docks facilities, hydroelectric dams, and nuclear power facilities. There are 3 different radio systems hard installed into the boat along with a computer docking station which will make communications possible with almost every agency and stakeholder operating in the Port of Guntersville and the Tennessee River.

To round out the miscellaneous equipment selections, a triple axle trailer with brakes is required to move this vessel for upwind deployment during radiological or biological WMD events or to take it out of the water for service and repair. The heated glass on the windshields prevents condensation build-up in such a high humidity environment and provides de-icing in the winter. The locking 2 gun rack allows for both shotguns and M-16 rifles to be securely stored. The folding foot rests let you sit in a normal position in calm water or fold them and stand up in heavy seas, taking the shock with your legs and not your back. The over-platform telescoping ladder makes it easier for a diver in full gear to enter the boat safely. Ice is a precious commodity when working in 95 degree heat while wearing a bullet-resistant vests and life jackets so the cooler built into the compartment allows the crew to carry enough ice and not take up deck space or have it in the way. Our officers are also EMTs and respond to medical calls for service and ice is often used in the treatment of certain patients. Last but not least, one of the most important functions on the patrol boat is the FLIR system with monitor which assists our officers to look for terrorists, IEDs, and criminals in complete darkness or while obscured by smoke or rain. This is a patrol function which is not possible with the radar system or night vision devices alone.

TOTAL \$ 250,822.81

G. Other Costs. List items (e.g., rent, reproduction, telephone, security services, and investigative or confidential funds) by major type and the basis of the computation. For example, provide the square footage and the cost per square foot for rent, and provide a monthly rental cost and how many months to rent.

<u>Description</u>	<u>Computation</u>	<u>Cost</u>
Rent for patrol boat lift and storage	Provided by the State of Alabama	0.00

TOTAL 0.00

Budget Summary - When you have completed the budget worksheet, transfer the totals for each category to the spaces below. Compute the total direct costs and the total project costs. Indicate the amount of Federal funds requested and the amount of non-Federal funds that will support the project. *Under Section G list any cost not captured or categorized in Sections A-H.*

<u>Budget Category</u>	<u>Federal Amount</u>	<u>Non-Federal Amount</u>
A. Personnel	<u> \$3,270 </u>	<u> \$0.00 </u>
B. Fringe Benefits	<u> \$0.00 </u>	<u> \$0.00 </u>
C. Travel	<u> \$0.00 </u>	<u> \$0.00 </u>

D. Equipment	<u>\$250,822.81</u>	<u>\$0.00</u>
E. Supplies	<u>\$0.00</u>	<u>\$0.00</u>
F. Consultants/Contracts	<u>\$0.00</u>	<u>\$0.00</u>
G. Other	<u>\$0.00</u>	<u>\$0.00</u>
Total Direct Costs	<u>\$254,092.81</u>	<u>\$0.00</u>
H. Indirect Costs	<u>\$0.00</u>	<u>\$0.00</u>
* TOTAL PROJECT COSTS	<u>\$254,092.81</u>	<u>\$0.00</u>
Federal Request	<u>\$254,092.81</u>	
Non-Federal Amount	<u>\$0.00</u>	