



1. All quotations must be signed with the firm name and by an authorized officer or employee.
2. Verify your bid before submission as it cannot be withdrawn or corrected after being opened. In case of error in extension of prices, the unit price will govern.
3. If you do not bid, return this sheet and state reason. Otherwise, your name may be removed from our mailing list.
4. The right is reserved to **reject** any, or all quotations, or any portions thereof, and to waive technicalities if deemed to be in the interest of the City of Mobile.
5. This bid shall not be reassignable except by written approval of the Purchasing Agent of the City of Mobile.
6. State brand and model number of each item. All items bid must be new and latest model unless otherwise specified.
7. If bid results are desired, enclose a self-addressed and stamped envelope with your bid. (All or None bids only)
8. Do not include Federal Excise Tax as exemption certificate will be issued in lieu of same. The City is exempt from the Alabama and City sales taxes.
9. PRICES ARE TO BE FIRM AND F.O.B. DESTINATION UNLESS OTHERWISE REQUESTED.
10. BID WILL BE AWARDED ON ALL OR NONE BASIS UNLESS OTHERWISE STATED.
11. Bids received after specified time will be returned un-opened.
12. Failure to observe stated instructions and conditions will constitute grounds for rejection of your bid.
13. Furnish literature, specifications, drawings, photographs, etc., as applicable with the items bid.
14. Vendor May be required to obtain City of Mobile Business License as applicable to City of Mobile Municipal Code Section 34-50. For Business License inquiry contact the Revenue Department at (251) 208-7461 or [cityofmobile.org/taxes.php](http://cityofmobile.org/taxes.php).
15. **If a bid bond is required in the published specifications, see below:**  
Each Bid Shall be Accompanied By A Cashier's Check, Certified Check, Bank Draft Or Bid Bond For the Sum Of Five (5) Percent Of The Amount Bid, Made Payable To The City Of Mobile And Certified By A Reputable Banking Institution. All Checks Shall Be Returned Promptly, Except The Check Of The Successful Bidder, Which Shall Be Returned After Fulfilling The Bid.
16. Contracts in excess of \$50,000 require that the successful bidder **make every** possible effort to have at least fifteen (15) percent of the total value of the contract performed by socially **and economically** disadvantaged individuals.
17. All bids/bid envelopes must have the bid number noted on the front. Bids that arrive unmarked and are opened in error shall be returned to vendor as an unacceptable bid.
18. If successful vendor's principal place of business is out-of-state, vendor may be required to **have a Certificate of Authority** to do business in the State of Alabama from the Alabama Secretary of State prior to issuance of a Purchase Order. **Vendors are solely responsible for consulting with the Secretary of State to determine whether a Certificate is required.** See [www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx](http://www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx) . Please note that the **time between application for and issuance of a Certificate of Authority may be several weeks.**
19. Vendors do not need a City of Mobile Business License or **Certificate of Authority** from the Alabama Secretary of State to submit a bid, but will need to obtain the Business License and **Certificate of Authority**, if applicable, prior to issuance of a Purchase Order.

## BID CONTINUATION SHEET

QUANTITY	ARTICLES	UNIT	UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
	<p>Page 2 of 2</p> <p>All vendors will be required to provide verification of enrollment in the E-Verify program. Additional information may be found at <a href="http://immigration.alabama.gov/">http://immigration.alabama.gov/</a></p> <p>If the successful vendor's principal place of business is out-of-state, vendor may be required to have a Certificate of Authority to do business in the State of Alabama from the Secretary of State prior to issuance of a Purchase Order.</p> <p>Vendors are solely responsible for consulting with the Secretary of State to determine whether a Certificate is required. See: <a href="http://www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx">www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx</a>. Please note that the time between application for the issuance of a Certificate of Authority may be several weeks.</p> <p>Upon notification, vendor will have 10 business days to provide the Certificate of Authority and the E-Verify numbers to the Purchasing Department before award can be completed. (Vendors will possibly need to pay the expedite fee to meet this requirement because application is not sufficient. We must have a copy of the certificate with your Company ID number).</p> <p>Vendors do not need a City of Mobile Business License or Certificate of Authority from the Alabama Secretary of State, nor the E-Verify for certification to submit a bid, but will need to obtain the Business License and Certificate of Authority verification and/or provide the E-Verify Certification, if applicable, prior to issuance of a Purchase Order.</p> <p>Pricing shall be firm for the one (1) year period following the award of the Bid. At the option of the City of Mobile, the award of this bid may be extended for up to two (2) additional one (1) year periods.</p> <p>State of Alabama Local Vendor Preference Law 41-16-50 (a) and (d) will apply to this purchase.</p> <p>If you have any questions, please feel free to contact the Purchasing Department at <a href="mailto:purchasing@cityofmobile.org">purchasing@cityofmobile.org</a>.</p> <p>Questions involving the bid specifications will not be answered within 48 hours of the bid opening. You need to ask your questions early on, as soon as possible.</p> <p><b>TO BE AWARDED ALL OR NONE.</b></p>					
			<b>TOTAL</b>			

**RETURN ONE SIGNED COPY OF THIS QUOTATION IN ENCLOSED ENVELOPE**

**READ ABOVE INSTRUCTIONS BEFORE QUOTING**

Firm Name \_\_\_\_\_

By \_\_\_\_\_

We will allow a discount \_\_\_\_\_ % 20 days from date of receipt of goods and correct invoice of completed order.

## **MOBILE POLICE DEPARTMENT E.O.D. UNIT BID SPECIFICATIONS FOR BOMB SUIT**

The E.O.D. Unit desires to purchase a bomb disposal suit. The minimum specifications and type are as follows:

**GENERAL:** The bomb disposal suit that provides the optimal balance between protection and flexibility through the meticulous distribution of protective materials over the body. The suit be semi-form fitting and sized to the operator to allow crouching, bending and climbing movements of the wearer. The suit must be designed to provide maximum protection from blast overpressure and fragmentation associated with explosive events, while still permitting a high degree of flexibility and comfort to facilitate the conduct of operational duties.

### **E.O.D. BOMB SUIT**

**Suit Design:** The suit will have a jacket with universal patch cord, an integrated groin protector, trousers with a back protector, detachable boot covers, a grounding strap, a carry bag, a steel hanger for drying and a user CD and manuals.

**JACKET AND PATCHCORD:** The jacket will provide protection to the entire front and back torso. It should have a high profile collar that integrates with the helmet visor to provide continuous protection to the neck region. The patch cord should be routed through the jacket to accommodate the use of EOD helmet and a communications. The jacket should also have pockets and straps for carrying tools and radios.

**INTEGRATED GROIN PROTECTOR:** The groin protector will provide 360 degree blast and flame protection to the groin and buttock area without impeding comfort or leg movement.

**TROUSERS, BACK PROTECTOR AND BOOT COVERS:** The trousers will provide full coverage against fragments. They will be designed to articulate according to normal operational functions and do not compromise comfort and flexibility. A combination of soft and hard ballistic material layering will provide reinforcement over the frontal leg region to protect against a wide range of fragmentation threats. The back protector will incorporate hard plastic, backed by hybrid density foam laminate the will effectively reduce and evenly redistribute impact away from the spinal area to the side regions of the back. The boot covers will be detachable, snap to the bottom of the trouser legs and provide protection to the top of the feet.

**CARRY BAG:** The carry bag will be a knapsack style, made of durable nylon fabric and have heavy duty zippers. The bag will open flat to provide a clean work surface during dressing procedures.

**SIZE:** Large

**COLOR:** Green

**MATERIALS:**

Outer Shell	Kevlar/Nomex Blend Fabric, Nomex Thread
Blast Plate Pouch	Durable Nylon Cordura
Zippers	Brass with Nomex Fabric Tape
Attachment System	PBI/ Kevlar & Nylon Webbing, Cotton elastics, Velcro Hook and Loop, Acetal Hardware
Protective Inserts (Soft Components)	Layered Aramid Fiber, Contained in Water-Repellant Nylon
Protective Inserts (Rigid Components)	Polycarbonate, Aluminum, Foam, UHMWPE (Ultra High Molecular Weight Polyethylene)

**PERFORMANCE CHARACTERISTICS:**

**FRAGMENTATION PROTECTION:** The bomb suit will meet the MIL-STD-662F Test Specification.

**HEAT PROTECTION:** The bomb suit will have a fire retardant outer shell that protects against heat flash associated with munitions, anti-personnel mines and pyrotechnics.

**FULL BLAST SCALE TESTING:** The bomb suit will have been extensively tested against explosive devices in order to evaluate its effectiveness in the face of a realistic threat.

**CHEST OVERPRESSURE:** The suit will have been tested in blast conditions in order to determine its blast overpressure attenuating capability.

**IMPACT PROTECTION:** The bomb suit will incorporate a back protector to minimize the possibility of back injury.

**NOTE:** The bomb suit and helmet should be purchased from the same manufacturer to insure the greatest protection, functionality and compatibility. It should also be noted that the E.O.D. Units other bomb suit is a MED-ENG EOD 10 and the purchase of the new suit should be compatible with that make and model.

## **E.O.D. HELMET WITH EOD AND BREATHING APPARATUS VISORS**

The E.O.D. Unit desires to purchase a bomb disposal suit helmet. The minimum specifications and type are as follows:

**GENERAL:** The E.O.D. helmet will provide protection from the four threats of a blast in a user-friendly and comfortable manner and have an interchangeable visor system to accommodate both standard EOD/IEDD and missions involving improvised explosive device that may contain chemical or biological agents. The helmet should also contain integrated microphones for both external sound amplification/damping and internal monitoring/transmission of communications.

**DESIGN:** The E.O.D. helmet will have two interchangeable protective visors that can be mounted on a common helmet shell base. The first visor will be suitable for EOD/IEDD operations, while the second visor will accommodate a Breathing Apparatus (SCBA, Viking ) for operations in a chemical environment. The helmet shell will be composed of composite materials to offer superior blast and fragmentation resistance. It will have on board electronics to permit a range of user-desirable capabilities, including environmental awareness system with stereoscopic separation in listening capability. The helmet will have a compact profile, dual fan ventilation system and EAS module at the rear of helmet this system will provide fresh air to the interior of the visor via integrated internal channels. It will have a wrist mounted remote control module to allow user to conveniently control all helmet functions and monitor battery life. The helmet should be equipped with external, multi-spectrum work lighting to include white, blue and red.

**Helmet Platform:** The helmet will have a four point retention system, onboard power supply, remote control module, communications system compatibility and EOD and Breathing Apparatus visor compatibility.

**HELMET SHELL AND IMPACT LINER:** The helmet shell will be made of composite material designed for multi-threat, chemical and EOD/IEDD environments. This shell will provide a level of fire, ultraviolet, moisture, and chemical resistance.

**COMFORT LINER:** The helmet will have a comfort liner with individually removable and interchangeable to allow extensive customization of fit.

**RETENTION SYSTEM:** The helmet will have a integrated chin and nape strap to provide four-point comfort and stability.

**VENTILATION SYSTEM:** The helmet will have a ventilation system that is low profile and relatively quiet. The intake air will be integrated on the helmet shell in a compact design with no external protrusions. It will have two low noise ventilation fans , mounted on the rear of the helmet shell with internalized ducting of the airflow. In a normal mode the system will provide air to the inside of the helmet at a rate

of 60 litres/minute. An air flow of 120litres/minute will be obtained at the maximum setting in the normal mode (when selected by the user). In turbo mode, the system will provide air at a rate of 150 litres/ minute.

**ENVIRONMENTAL AWARENESS SYSTEM:** The helmet will have a linked speaker system inside the helmet. This allow the user to hear ambient sounds and distinguish from which diection the sound originates.

**ONBOARD POWER SUPPLY:** The helmet will have an onboard power supply housed in a protective enclosure that is powered by 8 AA batteries.

**REMOTE CONTROL MODULE:** The remote module will control all functions of the helmet and will attach to the sleeve of the E.O.D. bomb suit.

**VISORS (EOD &BA):** The helmet will have two visors, one for EOD and the other for breathing apparatus. These visors will be interchangeable. Searchlights will be built into the top of the visor.

**SHIELDED POWER SUPPLY:** The helmet will come with a shielded power supply to operate the functions of the helmet.

**CARRY BAG:** the helmet with have a carry bag to protect it for transportation and storage.

**USER AMNUAL AND CD:** The helmet will have a user manual and or C/D

### **PHYSICAL PROPERTIES:**

**SIZING:** The helmet will be supplied with a comfort liner, sizing pads and a crown pad.

<b>WEIGHT:</b>	Shell	8.36 pounds
	EOD Visor	4.04 pounds
	BA Visor	4.4 pounds
	Remote Control	0.62

<b>MATERIALS:</b>	Helmet Shell	High Performance Composite Material
	Helmet Liner	Impact Attenuation Foam
	Comfort Liner	Flame laminated foam, fire retardant fabric
	Inner visor Layer	Polycarbonate
	Outer visor Layer	Poly Methyl Methacrylate
	Fasteners	Stainless Steel, Corrosion-Resistant Steel

EAS Housing	High-Impact Polycarbonate
Retention System	Nylon webbing, Foam and fabric, Stainless Steel, Corrosion Resistant Steel, Elastomer

COLOR: Green

**FRAGMENTATION:** The fragmentation resistance of the various components of the helmet will meet the standards of the MIL-STD-662F Test Specification.

**BLAST OVERPRESSURE AT THE EAR:** The helmet should permit a 96% reduction (on average) in peak ear overpressure when facing small charges at close standoffs.

**CHEMICAL BIOLOGICAL TESTING:** the helmet with the Breathing Apparatus visor with fit a series of SCBA and gas masks systems.

#### RETENTION SYSTEM

**HELMET STABILITY:** The helmet will meet or exceed the CSA standard Z611-02, section 15.3 (helmet stability). The helmet stability test requires that the helmet not rotate more than 45 degrees relative to the headform under and applied load of 250 Newtons.

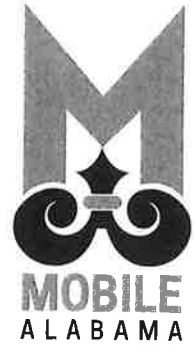
**Retention System Strength:** The helmet will meet the British Standard PAS 017 Appendix Q (retention system test).

**HUMIDITY EXPOSURE:** The helmet will meet or exceed the humidity exposure profile stated in MIL-STD-810F, Method 507.4

**EXPOSURE TO PROLONGED TEMPERATURE EXTREMES:** The helmet will meet or exceed the standards set forth in MIL-STD-810F, Methods 501.4 High Temperature and 502.4 Low Temperature.

**NOTE:** The bomb suit and helmet should be purchased from the same manufacturer to insure the greatest protection, functionality and compatibility. It should also be noted that the E.O.D. Units other bomb suit is a MED-ENG EOD 10 and the purchase of the new suit should be compatible with that make and model.





## **PROCUREMENT DEPARTMENT**

**Potential bidders are responsible to check this site for any ADDENDUMS that are issued. It is the responsibility of the BIDDER to check for, download, and include with their BID RESPONSE any and all ADDENDUMS that are issued for a specific BID published by the City of Mobile. Failure to download and include ADDENDUMS in your BID RESPONSE may cause your bid to be rejected.**

**This is a sealed bid. Any responses faxed or e-mailed will be rejected.**

**This is a sealed bid. Any response must be submitted in a sealed envelope with the bid number and bid opening date on the outside of the envelope.**

**Any response that arrives improperly marked or with no bid number and opening date on the outside of the delivery or express package and opened in error will be rejected and not considered.**

**It is the responsibility of the bidder to insure that their bid response is delivered to and received in the Purchasing Department before the date and time of the bid opening.**

**Be sure to read the Terms and Conditions. All bids are F.O.B. Destination unless otherwise stated.**

**Be sure to sign your bid!**

**Package/Bid Delivery Address:  
Purchasing Department  
205 Government St. Room S408  
Mobile, AL 36644**

**(Request First Delivery)**