INVITATION TO BID

Sealed bids will be received by the City of Foley at Foley City Hall, 407 East Laurel Avenue, Foley, Alabama 36535 ***or*** P.O. Box 1750, Foley, Alabama 36536 until 2:00 p.m., Wednesday, October 24, 2018 for:

FIRE DEPARTMENT

SELF-CONTAINED BREATHING APPARATUS (SCBA)

Requisition No. FD-102418

at which time and place they will be publicly opened and read. Specifications may be obtained at Foley City Hall, 407 East Laurel Avenue, Foley, Alabama, 36535, by calling (251) 943-1545, or, the bid may be downloaded from the City's website at http://www.cityoffoley.org.

To be eligible for consideration, bids must be submitted on complete original proposal forms found in the Request for Proposal package. **The specifications and all executed bid forms must be submitted in a sealed envelope, clearly marked, identifying the bid and the date of the bid opening.** It shall be the sole responsibility of the bidder to assure receipt of the bid at the Foley City Hall prior to the published time for the bid opening.

The City of Foley reserves the right to accept or reject any or all bids and to waive technical errors if, in the City's judgment, the best interests of the City will thereby be promoted.

Rachel Keith
Purchasing Agent
City of Foley, Alabama

BID FORM

CITY OF FOLEY, ALABAMA
OFFICE OF PURCHASING AGENT

REQUISITION NO. **FD-102418**
BIDS TO BE OPENED AT: **2:00 P.M.**
DATE: **WEDNESDAY, OCTOBER 24, 2018**

Sealed bids will be received by the City of Foley, Alabama, at its office in Foley until the above date and time, and then opened as soon thereafter as practicable.

Rachel Keith
Purchasing Agent

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SPECIFICATIONS: SEE ATTACHED

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If you are unable to furnish an item as specified and desire to offer a substitute, give full description of the item. No errors will be corrected after bids are opened. Substitutions will be treated as "approved equivalent or equal" which is discussed in paragraph 1.05 of the bid documents *GENERAL CONDITIONS*. Please refer to Paragraph 1.05 prior to offering any substitutions. No prices shall include State or Federal Excise Tax. Tax exemption certificates furnished upon request. City reserves the right to accept or reject all bids or any portion thereof.

****

We are in a position to provide material as required per the attached quote within _____ days after receipt of notice of award. Any attachment hereto is made and becomes a part of this inquiry and must be signed by Bidder.

I hereby affirm I have not been in any agreement or collusion among bidders or prospective bidders in restraint of freedom of competition, by agreement to bid at fixed price or to refrain from bidding, or otherwise.

THIS BID MUST BE NOTARIZED
Sworn to and subscribed before me
this the _____ day of
_____, 2018.

_____
NOTARY PUBLIC

BIDS MADE OUT IN PENCIL WILL NOT BE ACCEPTED.

FIRM: _____

BY: _____
Signature accepted in ink only

STREET ADDRESS: _____

CITY: _____ STATE: _____

TERMS: _____
FOR CASH PAYMENT WITHOUT REGARD TO DATE OF REMITTANCE

ALL BIDDERS MUST USE OUR BID FORM(S). REQUISITION NUMBER AND OPENING DATE AND TIME MUST BE PRINTED ON THE OUTSIDE OF THE SEALED ENVELOPE. EACH BID MUST BE IN SEPARATE ENVELOPES.

BIDDER'S INFORMATION:

Bid Requisition Number:	**FD-102418**
Bid Name:	**FIRE DEPARTMENT** **SELF-CONTAINED BREATHING APPARATUS (SCBA)**

Company Name:	
Submitted By:	
Mailing Address:	
Telephone Number:	
Fax Number:	
E-Mail Address:	

ADDENDUM ACKNOWLEDGEMENT:

Bidder acknowledges receipt of the following addendums and has incorporated the requirements of such addendums into the bid.

(List all addendums issued for this bid.)

No.	Date

No.	Date

No.	Date

No.	Date

No.	Date

No.	Date

FIRE DEPARTMENT
Self-Contained Breathing Apparatus (SCBA)

MINIMUM BID SPECIFICATIONS

These specifications shall be construed as minimum. Should manufacturer's current published data or specifications exceed these, such standards shall be considered minimum and furnished.

PURPOSE:

The purpose of this bid specification is to establish minimum standards for open-circuit self-contained breathing apparatus (SCBA) for the Foley Fire Department. The SCBA shall consist of the following major sub-assemblies and options:

1. Harness and backpack
2. Integrated PASS system with Front PASS, pressure gauge and Back PASS
3. First stage pressure reducer and Rapid Intervention Crew/Company Universal Air Connection (RIC UAC)
4. Second stage regulator
5. Second stage regulator intermediate pressure hose
6. Primary audible low air alarms
7. Buddy breather and buddy breather pouch
8. Face piece
9. Heads-up display (HUD) and secondary (redundant) alarm
10. Cylinder valve and cylinder
11. Optional voice amplification system (VAS)

SCBA COMPATABILITY:

The SCBA shall be compatible with the existing Survivair Panther and Honeywell Titan SCBA currently in use at the Foley Fire Department for interoperability. **The manufacturer shall upgrade all SCBA to the NFPA 1981/1982 2018 Edition (once released) at no cost**.

ADDITIONAL INFORMATION:

All questions related to this bid must be documented through email and should be sent to Rachel Keith at rkeith@cityoffoley.org no later than 72 hours prior to the scheduled bid opening. No questions will be addressed by any means other than email. Answers will be emailed to all bidders in the event that clarification is required. If further clarification is needed about a particular product bid or change within the bid, an Addendum will be emailed stating the change. All addendums must be acknowledged in the "Addendum Acknowledgment" section located on page 3 of this bid packet.

INSTRUCTIONS TO BIDDERS:

To be eligible for consideration, bids must be submitted on complete original forms found in the Invitation to Bid package. **The entire bid packet and all executed bid forms must be submitted in a sealed envelope, clearly marked, identifying the bid and the date of the bid opening.** It shall be the sole responsibility of the bidder to assure receipt of the bid at the Foley City Hall prior to the published time for the bid opening.

Bids should be sent to one of the following addresses:

U.S. Postal Service	Physical Address
City of Foley	City of Foley
Attn: Purchasing Agent	Attn: Purchasing Agent
P.O. Box 1750	407 E. Laurel Avenue
Foley, AL 36535	Foley, AL 36536

SCBA General Requirements	Complies	Does Not Comply	Requires Exception
The SCBA shall be certified by the National Institute for Occupational Safety and Health (NIOSH) under Title 42, Part 84 of the Code of Federal Regulations for 30-, 45-, or 60minute rated service life and for storage at temperatures between -25°F and 160°F. The SCBA shall also be certified by NIOSH as "CBRN Agent Approved" for use in chemical, biological, radiological, and nuclear (CBRN) environments.	☐	☐	☐
The SCBA shall be certified as compliant with all performance requirements of the National Fire Protection Association's 2013 edition of NFPA 1981, *Standard on OpenCircuit Self-Contained Breathing Apparatus for Emergency Services.*	☐	☐	☐
If the SCBA is equipped with a PASS device, the PASS device shall be certified as compliant with all performance requirements of the National Fire Protection Association's 2013 edition of NFPA 1982, *Standard on Personal Alert Safety Systems (PASS).*	☐	☐	☐
All electronic components shall be certified as intrinsically safe per ANSI/UL 913, Sixth edition, for use in Class I, Groups C and D, and Class II, Groups E, F and G, Division 1 hazardous locations.	☐	☐	☐
The successful bidder shall provide a factory-trained instructor for instruction on the repair and maintenance of the SCBA and other products. The proper factory training is required for the annual flow test to be done by a certified technician to meet the requirements of NFPA 1852.	☐	☐	☐
There shall be no mandatory overhaul cycle.	☐	☐	☐
The SCBA shall maintain compliance with all appropriate NIOSH and NFPA standards with the use of the cylinders listed for the respective pressure requirements as outlined in this bid specification.	☐	☐	☐

Warranties	Complies	Does Not Comply	Requires Exception
The first stage regulator shall have a limited lifetime warranty from the time the product is shipped to the end user.	☐	☐	☐
The aluminum back frame shall have a limited lifetime warranty from the time the product is shipped to the end user.	☐	☐	☐
The SCBA pneumatics, hoses, back frame and webbing shall have a twelve (15) year limited warranty from the time the product is shipped to the end user.	☐	☐	☐
The SCBA electronics, integrated PASS, transducer and HUD shall have a fifteen (15) year limited warranty from the time the product is shipped to the end user.	☐	☐	☐
The cylinder shall have a limited fifteen (15) year warranty from the time the cylinder is shipped to the end user.	☐	☐	☐
The Voice Amplification System (VAS) shall have a three (3) year limited warranty.	☐	☐	☐

Harness and Backpack	Complies	Does Not Comply	Requires Exception
The aluminum backplate and harness assembly, including pneumatics (i.e., the SCBA less cylinder and facepiece), shall weigh approximately 15.5 pounds and be available in one size.	☐	☐	☐
No special tools shall be necessary to replace any harness component.	☐	☐	☐
No adhesives shall be necessary to secure any replaceable components.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
Ara-shield®, or equivalent, shall be used on the outer and inner portions of the shoulder straps and the outer portion of the hip pad to provide maximum resistance to high temperatures, flame, water and chemical retention, and abrasion. The shoulder straps and hip pad shall incorporate thick closed-cell padding for user comfort.	☐	☐	☐
The shoulder straps shall utilize either parachute-style or alligator-style retaining and loosening buckles.	☐	☐	☐
The shoulder straps shall incorporate two lapel mic straps on each strap.	☐	☐	☐
The shoulder straps shall incorporate a reflective band on each strap.	☐	☐	☐
The shoulder strap webbing shall contain large grab handles for ease of adjustment.	☐	☐	☐
The backpack shall include a swivel/pivot mechanism that allows the backpack's weight to be ergonomically and comfortably placed on the user's lower back in all wearing positions, both vertical and horizontal.	☐	☐	☐
There shall be a two-piece Kevlar/Nomex waist strap, adjustable from both sides, with a front-release metal automotive-style belt buckle. The waist strap shall be tightened by pull-forward-style straps with parachute-style retaining and loosening buckles.	☐	☐	☐
There shall be two second stage regulator holders, one on the left shoulder strap and one on the left waist strap.	☐	☐	☐
The back frame shall offer two side handles with two additional carabiner attachment points, all providing 1,000 pounds of pull force.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
There shall be a grab strap capable of withstanding 1,000 pounds of pull force attached to the back frame for transport, or for pulling the SCBA in a rescue scenario.	☐	☐	☐
There shall be an easily adjustable stainless steel cylinder band to properly secure various sizes of cylinders. The cylinder band shall be secured to the backpack and feature an easy locking and release mechanism.	☐	☐	☐

Integrated PASS System

PASS General Requirements	Complies	Does Not Comply	Requires Exception
The PASS and all SCBA electronics shall be powered by a single power source consisting of alkaline batteries located at the bottom of the SCBA. A picture of the correct battery orientation within the battery compartment shall be molded into the outside of the battery compartment.	☐	☐	☐
The battery compartment shall be easily accessible via a spring-loaded, slotted cap, which can be removed or secured by using a coin or a flat blade screwdriver.	☐	☐	☐
The PASS shall be constructed of a durable, fire-resistant material, and when exposed to 500°F for 5 minutes, the PASS shall function at or above the 95 dBA sound pressure level required by NFPA 1982.	☐	☐	☐
The PASS shall have a wellness check application that checks the status of the SCBA's electronics and provides an audible and visual indicator when there is a fault with an electronic component. The wellness check shall have PC-based software that, when the SCBA is connected to a PC via a USB cable, will provide an indication of what electronic component of the SCBA requires attention.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
The PASS shall have data logging capabilities that log the 2,000 most recent of the following events as required by NFPA 1982, with a time and date stamp for each event, and with the ability to download the information: • When the device is turned on • When the device is turned off • When the device is changed from sensing mode to alarm manually • When the device changes from sensing mode to pre-alarm mode • When the device changes from pre-alarm to alarm mode • When the device's alarm is reset • When the device goes into alarm mode from the off mode • When the device has a low power source condition In addition, the 2,000 most recent of the following events shall be logged: • When the device changes from pre-alarm mode to sensing mode • When the device is changed from pre-alarm mode to sensing mode manually • When the SCBA goes into low air alarm • When faults are reported by the SCBA wellness check diagnostics function • Cylinder pressure at system startup, after stabilization	☐	☐	☐
Front PASS			
The PASS device shall consist of two components, one on the front and one on the back of the SCBA. Each of these two components shall have both audible and visual alarms.	☐	☐	☐
The PASS device shall incorporate two motion sensors to keep the PASS in sensing mode even with the slightest movement. One motion sensor shall be located in the Front PASS and one shall be located in the Back PASS.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
The Front PASS shall incorporate a redundant photoluminescent gauge face that shall be mounted on the right shoulder strap with pressure increments marked in psig and “Empty,” “1/3,” “1/2,” “3/4,” and “Full” and have a protective silicone boot. The gauge shall be angled at a 40-degree angle for easy viewing.	☐	☐	☐
The Front PASS shall have an amber LED to inform the user of battery status. The Front PASS shall have LEDs that act as a visual PASS status alarm and that flash green for sensing mode; alternating green and red for the first, second and third pre-alarm mode; and red for alarm mode.	☐	☐	☐
The Front PASS shall be at chest height and rest near the center portion of the user’s torso.	☐	☐	☐
There shall be one piezoelectric audible alarm on the front of the Front PASS for sound dispersion.	☐	☐	☐
There shall be a large red manual PASS alarm activation button molded into the protective rubber boot and a manual reset button located on the side of the Front PASS. Two pushes of the reset button shall turn the system off if the unit is not pressurized.	☐	☐	☐
When in pre-alarm mode, the LEDs on the Front PASS shall alternately flash red and green; shall emit a sound that increases in volume with the first, second and third prealarm steps; and shall meet the pre-alarm sequence requirements of NFPA 1982, 2013 Edition.	☐	☐	☐
When in alarm mode, the LEDs on the Front PASS shall flash red and shall emit a sound that meets the alarm sequence requirements of NFPA 1982. The alarm signal sound pressure level shall not be less than 95 dBA for an uninterrupted duration of not less than 1 hour. The alarm sound shall alternate between the Front and Back PASS.	☐	☐	☐
When the SCBA enters low power source status, an amber LED shall flash in the Front PASS, and the Front PASS shall produce a chirp sound.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
When the reset button is pressed at any time, two bright white LEDs shall illuminate the gauge and remain illuminated for ten (10) seconds.	☐	☐	☐
Back PASS			
When in pre-alarm mode, the LEDs on the Back PASS shall alternately flash red and green and shall not emit a sound.	☐	☐	☐
When in alarm mode, the LEDs on the Back PASS shall flash red and shall emit a sound that meets the alarm sequence requirements of NFPA 1982. The alarm signal sound pressure level shall not be less than 95 dBA for an uninterrupted duration of not less than 1 hour. The alarm sound shall alternate between the Front and Back PASS.	☐	☐	☐
The Back PASS shall display a flashing red LED when the 33% EOSTI is activated. When 10% of the cylinder pressure is remaining, the red LED shall flash more rapidly.	☐	☐	☐
When a low power source condition occurs, an amber LED on the Back PASS shall start flashing.	☐	☐	☐
There shall be two (2) piezoelectric audible alarms on the rear of the SCBA that are angled for better sound dispersion.	☐	☐	☐
The Back PASS shall have two slots available for installation of the optional firefighter locating system.	☐	☐	☐

Pneumatic System—First Stage Pressure Reducer, RIC UAC, Second Stage Regulator, Low Air Alarms and Buddy Breather

Pneumatic System General Requirements	Complies	Does Not Comply	Requires Exception
The regulator system shall be designed to operate in two independent stages. The first stage pressure reducer shall be installed on the outer, upper left portion of the backpack and slide up and down to allow for easier connection of the CGA handwheel to the cylinder. The second stage regulator shall provide positive pressure during an NFPA breathing machine test at 70 psig inlet pressure.	☐	☐	☐

First Stage Pressure Reducer	Complies	Does Not Comply	Requires Exception
The first stage pressure reducer shall incorporate an overpressurization relief valve designed to vent relief pressure to the atmosphere should failure of the reducer's primary elements occur.	☐	☐	☐
There shall be a pressure-reducing valve to reduce pressure from the cylinder to 80-150 psig.	☐	☐	☐
The reducing valve assembly shall be a balanced valve design and shall provide uniform flow performance throughout the full cylinder pressure range. This valve shall have an inlet filter to retain particles of 120 microns or greater, shall be in an open position against the high pressure inlet, and shall seat in the direction of air flow.	☐	☐	☐
The first stage pressure reducer shall be joined to the CGA handwheel via a rugged, braided high pressure hose. The CGA handwheel shall house the Rapid Intervention Crew/Company Universal Air Connection (RIC UAC) and secure the hose to the cylinder valve.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
The RIC UAC shall accept a fill hose with a mating female fitting, which shall be purchased as a separate item and shall not be deemed part of the RIC UAC; it shall be available as a component of the UAC Rapid Intervention Kit.	☐	☐	☐
Second Stage Regulator			
The second stage regulator shall employ a two-point fastening system that allows the regulator to be quickly mounted into the facepiece by pushing the regulator until the two fasteners attach to the facepiece adapter. The regulator shall remain secured to the facepiece should one of the fasteners inadvertently disengage.	☐	☐	☐
The second stage regulator shall employ a first-breath-on feature that allows the user to actuate regulator flow by inhaling after the regulator is secured to the facepiece, and it shall contain a safety override button which allows the wearer to manually start the regulator flow. A manual shutoff button shall be located directly in front of the top release button to prevent loss of air after removal of the second stage regulator from the facepiece.	☐	☐	☐
There shall be a bypass valve that provides a separate flow path around the primary demand valve. In the event of a failure or blockage of the primary demand valve, the bypass valve shall be operable by either of the user's gloved hands.	☐	☐	☐
The upper portion of the second stage regulator, including the shutoff button, shall be covered by an easily replaceable rubber boot for protection and impact absorption, and all components shall be flame- and heat-resistant.	☐	☐	☐
The design shall be a "pilot valve" type and shall contain a spring-biased diaphragm, responsive to respiration demand, to actuate a pilot valve which, in turn, operates a flexible main valve to meet the user's flow demand during inhalation. The diaphragm shall utilize a .030-inch hole and a flapper valve in the diaphragm plate to flush the second stage cover with clean air in order to keep CBRN agents away from the diaphragm.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
The second stage regulator shall reduce pressure from 80-150 psi to .036-.054 psig, provide a static pressure in the facepiece of 0.8 to 1.5 inches of water and contain a 40mesh metal screen filter at the outlet port to prevent entrance of particulates into the regulator.	☐	☐	☐

Second Stage Regulator Intermediate Pressure Hose	Complies	Does Not Comply	Requires Exception
The second stage regulator intermediate pressure (IP) hose shall attach to the second stage regulator with a swivel connector.	☐	☐	☐
A two-step, push-pull, pneumatic and electrical quick-disconnect fitting shall attach the second stage regulator IP hose to the first stage pressure reducer IP hose. It shall be designed so that it cannot be connected just pneumatically or just electrically; both connections shall have to be made in order for the wearer to be able to use the SCBA.	☐	☐	☐
The second stage regulator IP hose shall be protected by a Kevlar/Nomex sleeve throughout its entire length.	☐	☐	☐
Primary Audible Low Air Alarms			
The user shall have the option of choosing either a warbling whistle alarm or a bell alarm as the primary audible alarm.	☐	☐	☐
All alarms shall be air-actuated, automatically operating when air pressure in the supply cylinder reaches approximately 33% of original full pressure. The alarms shall work off intermediate pressure (the pressure after reduction by the first stage regulator) and shall have a discrete start, rather than a “ramping up” effect, with constant performance across the pressure range. These alarms shall operate without interruption until the cylinder pressure reaches approximately 100 psig.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
The warbling whistle shall incorporate a “shuttling piston” to create a distinctive chirping effect through frequency variations, so that the alarm is easily differentiated from other sounds in the user’s proximity.	☐	☐	☐
The bell alarm shall be an air-actuated, self-cocking, continuous ringing bell, automatically operating when air pressure in the supply cylinder reaches approximately 33% of original full pressure.	☐	☐	☐
Buddy Breather and Buddy Breather Pouch			
A buddy breather shall be included. It shall be certified as compliant with the EBSS performance requirements of NFPA 1981, 2013 Edition.	☐	☐	☐
The buddy breather shall utilize a two-step, push-pull, female quick-disconnect fitting designed to prevent accidental release. The buddy breather shall incorporate both male and female fittings.	☐	☐	☐
The female connector on the buddy breather shall connect to the male connector on the intermediate pressure hose.	☐	☐	☐
The buddy breather pouch shall employ a rapid release system whereby pulling the grab strap on the buddy breather pouch releases and pulls the buddy breather hose from the pouch.	☐	☐	☐

Facepiece	Complies	Does Not Comply	Requires Exception
The facepiece shall be available in black butyl rubber, shall fit persons of varying facial shapes and sizes and shall provide minimal visual interference with side-to-side and upper-to-lower peripheral vision.	☐	☐	☐
The facepiece shall be available in three sizes, with the size designation (S, M, or L) molded into the upper, outer portion of the skirt. NIOSH/NFPA certification of the SCBA shall be maintained regardless of the facepiece size used with the SCBA.	☐	☐	☐
The facepiece shall employ a factory-installed, removable nose cup. The nose cup shall be black in color, shall be available in three sizes and shall have a letter (S, M, or L) molded into the right side.	☐	☐	☐
The nose cup shall have red inhalation valve holders to easily identify an NFPA 1981, 2013 Edition facepiece.	☐	☐	☐
The construction of the outer portion of the facepiece (rims, adaptor and nozzle cover) shall be of a durable, flame- and heat-resistant material. The bottom of the nozzle cover shall incorporate a molded lip to serve as an anchor point for flash hoods.	☐	☐	☐
The nozzle cover shall have two openings through which the Heads-Up Display (HUD), mounted on the second stage regulator, may be easily viewed by the user.	☐	☐	☐
The facepiece shall incorporate a non-shatter-type, polycarbonate lens that can withstand 500°F for 5 minutes, followed by a direct flame exposure at 1800°F for 10 seconds, while the SCBA is connected to a breathing machine breathing at a rate of 40 lpm.	☐	☐	☐
The lens shall have a permanent anti-fog coating applied to the inside and an antiscratch coating on the outer portion of the lens.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
The facepiece shall incorporate either an adjustable 5-strap silicone rubber headband assembly held in place by buckles designed to prevent inadvertent loosening, or an adjustable 5-strap Kevlar mesh-style headnet assembly.	☐	☐	☐
The facepiece shall contain an easily removable exhalation module that employs a neoprene exhalation valve designed for easy cleaning.	☐	☐	☐
The facepiece shall incorporate a speaking diaphragm made of Kapton®, or equivalent, which is retained by the facepiece nozzle and is easily removable for cleaning and maintenance.	☐	☐	☐
The facepiece shall have a removable adapter, onto which the second stage regulator attaches, which has an opening that is small enough to be easily covered by one hand for a negative pressure fit check.	☐	☐	☐
Heads-Up Display (HUD) and Secondary (Redundant) Alarm			
The SCBA shall incorporate an electronic Heads-Up Display (HUD) that visually informs the user of remaining cylinder pressure and acts as a secondary end-of-service-time indicator (EOSTI).	☐	☐	☐
The HUD shall be powered by the SCBA's single power supply.	☐	☐	☐
The HUD shall attach to the second stage regulator and it shall be visible within the user's field of vision.	☐	☐	☐
The HUD module shall contain a "gas gauge"-style, wide-span LED display of pressure remaining.	☐	☐	☐
The HUD shall display cylinder pressure in increments of 100%, 75%, 50% and 33%.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
The HUD shall contain four green LEDs. When the pressure in the cylinder is full and the cylinder valve is activated, all four green LEDs shall be lit. At 75% pressure remaining, the fourth green LED shall no longer be lit; the remaining three green LEDs shall be lit. At 50% pressure remaining, the second green LED shall flash for 20 seconds to indicate that the 50% level has been reached. After 20 seconds of flashing, the second green LED shall return to a continuous mode, and the two LEDs shall be continuously lit.	☐	☐	☐
At 33% pressure remaining, the remaining LED shall change color to red and shall commence flashing to indicate that the 33% level has been reached. The red LED shall flash continuously until 10% of full pressure remains. At 10% pressure remaining, the red LED shall commence flashing significantly faster to indicate that the 10% level has been reached.	☐	☐	☐
The HUD shall incorporate a red flashing LED on the front of the exterior of the module to inform other personnel within eyesight that the user has reached the 33% and 10% low air levels.	☐	☐	☐
The HUD shall incorporate a white flashing LED on the PASS gauge face to inform other personnel within eyesight that the user has reached the 33% and 10% low air alarm levels.	☐	☐	☐
The HUD module and second stage regulator shall align with the openings in the facepiece nozzle cover so that the user may be able to view the HUD through the openings.	☐	☐	☐
The HUD shall incorporate a flashing, square, amber LED to inform the user of a low battery condition.	☐	☐	☐

Cylinder Valve and Cylinder

Cylinder Valve	Complies	Does Not Comply	Requires Exception
The cylinder valve shall be fitted with a two-sided luminous boldface dial-type gauge with rubber and metal protective guards.	☐	☐	☐
The cylinder valve body shall be permanently coated to prevent galling and corrosion.	☐	☐	☐
The cylinder valve shall have an optional locking collar device to keep the handwheel locked open during use.	☐	☐	☐
The cylinder valve outlet shall conform with the Compressed Gas Association (CGA) standard for threaded connection: number 346 for low pressure (2216 psig) and number 347 for high pressure (4500 psig).	☐	☐	☐
The cylinder valve shall incorporate a “fail open” design constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required.	☐	☐	☐
The cylinder valve shall contain an upper and lower seat so that the pressure will seal the stem on the upper seat, thus preventing leakage past the stem.	☐	☐	☐
The cylinder valve shall have an upstream connected burst disc safety relief device.	☐	☐	☐

Cylinder General Requirements	Complies	Does Not Comply	Requires Exception
The cylinder threads shall be straight with an o-ring gasket-type seal.	☐	☐	☐
The CGA cylinder connection shall comply with the Compressed Gas Association (CGA) standard for threaded connection: number 346 for low pressure (2216 psig) and number 347 for high pressure (4500 psig).	☐	☐	☐

Carbon Cylinder	Complies	Does Not Comply	Requires Exception
The cylinder shall be manufactured in accordance with DOT specifications and meet Transport Canada requirements with working pressure of 4500 psig.	☐	☐	☐
The cylinder shall be a lightweight, composite type, consisting of an aluminum alloy inner shell with a total overwrap of carbon fiber, fiberglass and an epoxy resin.	☐	☐	☐
The cylinder shall be available in 30-minute, 45-minute or 60-minute durations based on the NIOSH breathing rate of 40 liters per minute (lpm).	☐	☐	☐
The volume of the 30-minute cylinder shall be approximately 45 cubic feet when filled to pressures of 2216 psig or 4500 psig and shall conform to all appropriate DOT special permit numbers.	☐	☐	☐
The volume of the 45-minute cylinder shall be approximately 66 cubic feet when filled to a pressure of 4500 psig and shall conform to all appropriate DOT special permit numbers.	☐	☐	☐
The volume of the 60-minute cylinder shall be approximately 87 cubic feet when filled to a pressure of 4500 psig and shall conform to all appropriate DOT special permit numbers.	☐	☐	☐
The cylinder shall contain a closing valve that incorporates a pressure gauge to indicate the cylinder pressure at all times. The handwheel shall be at a 90° angle from the longitudinal axis of the cylinder.	☐	☐	☐

Communications—Optional Voice Amplification System (VAS)

Communications General Requirements	Complies	Does Not Comply	Requires Exception
The VAS shall be certified as an SCBA accessory by the National Institute for Occupational Safety and Health (NIOSH) under Title 42, Part 84 of the Code of Federal Regulations.	☐	☐	☐

Voice Amplification System (VAS)	Complies	Does Not Comply	Requires Exception
The VAS kit shall include an amplifier, adapter/cover assembly, nozzle assembly, microphone, batteries, and all hardware necessary to add it to a SCBA facepiece assembly.	☐	☐	☐
The interface between the amplifier and the adapter shall include a thumbscrew that does not require a tool for attachment or detachment.	☐	☐	☐
When installed, the adapter/cover assembly shall be attached to the nozzle assembly. An electrical path between the cover assembly and the microphone shall be provided by leaf spring contacts in the nozzle assembly and contact posts in the cover assembly.	☐	☐	☐
The amplifier shall be mounted laterally on the facepiece and shall minimally obstruct the wearer's peripheral vision.	☐	☐	☐
The amplifier and adapter each shall be waterproof, and the interface between them shall be waterproof after the amplifier is inserted into the adapter.	☐	☐	☐
The amplifier shall have a manually operated switch for controlling amplifier operation. It shall have three modes: OFF, ON, and Push-to-Talk (PTT). The switch shall be easily accessible to the user when the amplifier is mounted on the facepiece. It shall be operable with gloved hands.	☐	☐	☐
The PTT mode shall be activated while the user depresses the PTT button on the top of the amplifier module. The button shall be required to be continuously depressed to perpetuate this mode. When the user releases the PTT button, the amplifier shall return to OFF mode.	☐	☐	☐
The ON mode shall be activated by pushing the PTT button two distinct times within two seconds. The ON mode shall be deactivated by pushing the PTT button two more distinct times within two seconds.	☐	☐	☐
There shall be a timing mechanism in the amplifier that automatically deactivates the amplifier after 20 minutes of non-use.	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
The VAS shall utilize alkaline batteries.	☐	☐	☐
There shall be a separate low battery indicator LED. The light shall flash continuously when the battery voltage is too low to operate the unit for one hour in the 25% active and 75% quiescent modes. The light shall be readily visible in direct midday sunlight either to the user or to others while the amplifier is mounted to the adapter and in use.	☐	☐	☐
The VAS shall have an operating temperature range of -25°F (-32°C) to +300°F (+149°C) and a storage temperature range of -25°F (-32°C) to +257°F (125°C).	☐	☐	☐

Accessories	Complies	Does Not Comply	Requires Exception
The following NIOSH-certified accessories shall be available for the apparatus: • Haz-mat suit pass-through fitting • Neck strap • Chest strap • APR adapter • CN/CS adapter • Transfill hose for RIC UAC air transfer	☐	☐	☐

SCBA Training

SCBA Training	Complies	Does Not Comply	Requires Exception
The SCBA shall come with a standardized training learning modules that are available either on a PC or via MS PowerPoint. The content of the training shall consist of video and written format. At the conclusion of the training, there shall be an exam to test the user's competency of the material. When the exam is completed, the results shall be emailed to the participant and the officer the user included in the log-in section. Training curriculum shall include, yet not be limited to: • Donning • Facepiece cleaning (both parts below) • Facepiece detailed cleaning • Facepiece quick cleaning • 2nd stage FBO • Escape belt installation • VAS 2007 • VAS 2013 • PASS 2007 • PASS 2013 • RIT/RIC UAC/buddy breather • Pathfinder • RCS • SCBA cleaning and maintenance • SCBA overview	☐	☐	☐

	Complies	Does Not Comply	Requires Exception
Continuing Learning The SCBA shall offer QR codes located on the back frame of the SCBA for ongoing training in the field. With the use of a smart phone, the QR codes shall direct the end user to either 1) the user manual or 2) Use and Maintenance videos for ongoing training and refresher training in the field.	☐	☐	☐

SCBA Electronic Diagnostic Program

SCBA Wellness Check	Complies	Does Not Comply	Requires Exception
The SCBA shall come with the SCBA Wellness Check software installed in the SCBA's electronic system. The SCBA Wellness Check program shall perform a self-diagnostic check when the SCBA is pressurized. Should there be an issue with an electrical component of the SCBA, an audible and visual alarm shall alert the user. Upon alert, the SCBA shall be connected to a PC via USB for a diagnosis of what electronic component requires attention. The SCBA manufacturer shall provide software for a PC to diagnose when electronic components of the SCBA require attention.	☐	☐	☐

Compatibility

Compatibility	Complies	Does Not Comply	Requires Exception
The SCBA shall be compatible with the existing Survivair Panther SCBA and Honeywell Titan SCBA currently in use at the Foley Fire Department for interoperability. The manufacturer shall upgrade all SCBA to the NFPA 1981/1982 2018 Edition (once released) at no cost.	☐	☐	☐

Fire Department Self-Contained Breathing Apparatus (SCBA)

Requisition No. FD-102418

PRICE SHEET

Note: The SCBA shall be compatible with the existing Survivair Panther and Honeywell Titan SCBA currently in use at the Foley Fire Department for interoperability. ***The manufacturer shall upgrade all SCBA to the NFPA 1981/1982 2018 Edition (once released) at no cost.***

ITEM DESCRIPTION	WARRANTY
Complete SCBA with spare 30-minute cylinder	Warranty: _____ _____

ITEM DESCRIPTION	UNIT PRICE
Complete SCBA with spare 30-minute cylinder *Based on minimum quantity of 16 units	$ _____
Option for 45-minute cylinder	$ _____
Option for additional facepiece with voice amplification kit installed – no voice amp	$ _____
Option to delete voice amplification from facepiece - per unit.	$ _____

Company: _____

Submitted By: _____

Address: _____

_____

Phone: _____

THE CITY OF FOLEY, ALABAMA
GENERAL CONDITIONS

To insure acceptance, all bidders submitting bids to the City of Foley shall be governed by the following conditions, attached specifications, and bid form(s) unless otherwise specified. Bids **not** submitted on the bid form(s) provided may be rejected, and bids **not** complying with these conditions will be subject to rejection.

1.0 Intent of Specifications:

It is the intent of the specifications attached hereto to set forth and describe certain item(s) or service(s) to be purchased by the City of Foley including all materials, equipment, machinery, tools, apparatus, and means of transportation (meaning freight costs) necessary to provide these items or services.

1.01 Legal Requirements:

All applicable provisions of Federal, State, County and local laws including all ordinances, rules and regulations shall govern the development, submittal and evaluation of all bids received in response to these specifications, and shall govern any and all claims between person(s) submitting a bid response hereto and the City of Foley, by and through its officers, employees and authorized representatives. A lack of knowledge by the bidder concerning any of the aforementioned shall not constitute a cognizable defense against the legal effect thereof.

1.02 Sealed Bids:

The specifications and all executed bid forms must be submitted in a sealed envelope. All proposals must be signed by an authorized representative of the bidder. In the event more than one bid opening is scheduled for the same date and time, do not include bids concerning different sets of specifications within the same envelope. **The face of the envelope shall be plainly marked identifying the bid requisition number and opening date and time.** It shall be the sole responsibility of the bidder to assure receipt of bid at the Purchasing Office prior to the published time for the bid opening. No bid will be opened that is received after closing time for receipt of bids, nor will any offers by telephone, fax, or any electronic means be accepted.

1.03 Exceptions to Specifications:

During the drafting of written specifications, a sincere effort is made to describe products and services best suited to the needs of the City; however, in order that fair consideration is given in evaluating bids, all exceptions to or deviations from the specifications as written must be noted and fully explained. The Mayor and City Council are the final authority in determining the acceptability of any exceptions to specifications.

1.04 Discounts:

Terms offering a discount for prompt payment will be considered in determining the low bid. The discount period shall begin whenever (1) the conditions of the specifications have been fully met and the product or service judged acceptable to the City of Foley or (2) a correct invoice and other required documents have been received, whichever is later. Discounts offered for a period of less than thirty (30) days will not be considered in determining the low bid.

1.05 Approved Equivalents or Equals:

Any manufacturer's names, trade names, brand names, model numbers, etc. listed in the specifications are for information only and not intended to limit competition. The bidder may offer any brand for which he is an authorized representative that meets or exceeds the specifications as written. If the bid is based on an "approved equivalent or equal" item, supportive information in the form of manufacturer's printed literature or brochures, sketches, diagrams and/or complete specifications must accompany the bid. The bidder must explain in detail the reasons why the proposed equivalent or equal will meet specifications and not be considered an exception thereto. The City of Foley reserves the right to determine acceptance of proposed equivalent or equal item.

1.06 Bid Withdrawals:

Bids may be withdrawn by written request received from bidders prior to the time fixed for opening but no bid may be withdrawn after closing time for receipt of bids for a period of sixty (60) days. Negligence on the part of the bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.

1.07 Rejection of Bids:

The City of Foley reserves the right to accept or reject any or all bids, to award bids on a split-order basis, to waiver any minor bid irregularities, technicalities, or informalities, and to re-advertise for bids when deemed in the best interest of the City of Foley.

If there is any reason for believing that collusion exists among the bidders, any or all proposals may be rejected, and those participating in such collusion may be barred from submitting bids on the same or other work with the City of Foley.

1.08 Delivery:

Bid quotations shall include all freight cost to Foley, Alabama to point(s) specified herein or specified at the time the purchase order is placed. No title to the item(s) ordered nor any risk of loss shall be passed to the City of Foley until after receipt of delivery has been acknowledged by an authorized representative of the City of Foley.

1.09 Taxes:

The City of Foley, a Municipal Corporation, is a tax exempt entity per Section 40-23-4(11), Code of Alabama 1975. The City of Foley is exempt from all state and local sales taxes. This should **not** be construed to mean that contractors or suppliers doing business with the City of Foley are exempt from paying tax (General Conditions, Section 1.11 Permits and Taxes).

1.10 Licenses, Registration and Certificates:

A City of Foley Business License must be obtained within ten days of bid award. Each bidder must provide proof of State required competency certifications whenever applicable to engage in the business of contracting (or special contracting if the work to be performed necessitates a particular type of specialty contractor) in the City of Foley.

1.11 Permits and Taxes:

The contractor shall procure all permits, pay all charges, fees and taxes and give all notices necessary and incidental to the due and lawful prosecution of the work.

1.12 Compliance with Federally Funded Programs:

The successful bidder shall assure the City of compliance with any and all special provisions (if applicable) contained in the contract being bid. These provisions may include but are not limited to maintaining a Drug-Free Workplace, compliance with Clean Air and Water Laws and Regulations, and compliance with Equal

Opportunity and Non-Segregated Facilities guidelines.

1.13 Proof of Liability & Worker's Comp Insurance:

If applicable, Proof of Liability and/or Worker's Comp Insurance must be included in the bid packet. If a company is not covered by Worker's Comp Insurance, labor and material charges should be separated on the bid/proposal. This should be done in order for the City to determine the Worker's Comp rate (in accordance with the City's current Worker's Comp fee schedule) that will be deducted from payment to the company performing the work.

1.14 Background Check:

The bid award of "Public Works" projects over $50,000 will be contingent upon the results of a background check of the successful low bidder as stated in Ordinance No. 1029-08. According to this ordinance, the City of Foley will take criminal histories into account when deciding whether a low bidder is qualified to do work for the City.

1.15 Disqualification:

The City can disqualify a company based upon the results of a background check or if the company has been prohibited from contracting with another government agency as stated in Ordinance No. 1029-08.

If, in the opinion of The City of Foley, a sealed bid contains false or misleading statements or references that do not support a function, attribute, capability, or condition as contended by Company, the sealed bid may be disqualified from further consideration.

1.16 Expenses:

Expenses for developing sealed bids and addressing information requests herein are solely and entirely the responsibility of Company and shall not be chargeable in any manner to the City of Foley.

1.17 Beason-Hammon Act:

Must be in compliance with the Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535 dealing with immigration (Immigration Act).

1.18 Alabama Immigration Law:

The Contractor receiving the bid award must abide by the Alabama Immigration Law (also referred to as "Act 2011-535" and codified in State law as Title 31, Chapter 13 of the Code of Alabama 1975) and as it was amended by Act #2012-491 that was signed by Governor Bentley on May 18, 2012.

1.19 Local Bid Preference:

The City of Foley has accepted the local bid preference guidelines established in Act 2015-293 and allows these guidelines to be utilized when appropriate, on a case by case basis. The local preference area has been established per Resolution 15-2369-RES and is defined as the area within the police jurisdiction of the City of Foley. Bid awards may be made to local vendors in this area if their submission is within 5% of a lower bid submitted by a vendor outside of this area and a 10% preference is extended if the lower bidder is located outside the state.

"The City of Foley encourages all vendors to list job openings with Job Services of Alabama."

You may be aware that the Alabama Legislature enacted a new law on immigration during its 2011 Regular Session (Act No. 2011-535). Section 9 of the Act requires that as a condition of an award of a contract with a state or local government entity, the business entity "shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien and shall attest to such, by sworn affidavit signed before a notary." Said affidavit shall also include the entity's Employment Eligibility Verification User Identification Number as evidence of enrollment in the E-Verify program and will continue to participate in the E-Verify program for the entire term of said contact, grant, or incentive it has with the City of Foley.

The City of Foley is required to comply with the provisions of the new Alabama Immigration Law (the Act). Compliance requirements for municipalities in Alabama became effective January 1, 2012. The requirements flow down to all contractors, vendors, and grantees doing business with the City and employing one or more employees. ***To comply with the new Act, the City requires the following information be provided by you prior to award of contract:***

IF YOUR COMPANY HAS ALREADY SUBMITTED AN AFFIDAVIT TO THE CITY OF FOLEY, YOU DO NOT HAVE TO RESUBMIT THIS FORM.

1. PROVIDE your entity/company's information on the enclosed Affidavit of Alabama Immigration Compliance (Affidavit);
2. If you do NOT employ one or more employees, complete Part I of the Affidavit.
3. If you DO employ one or more employees and are required to comply with this new law, complete Part II of the Affidavit.
4. PROVIDE your entity's E-Verify Employment Eligibility Verification User Identification Number in Part II of the Affidavit;
5. If required to comply and not currently enrolled in E-Verify, go to the E-Verify Home Page to initiate enrollment. E-Verify is a program that verifies the employment eligibility of all newly hired employees. http://www.uscis.gov/portal/site/uscis
6. EXECUTE, HAVE NOTARIZED and RETURN the completed Affidavit to the following address:

City of Foley
Attn: Accounts Payable
P.O. Box 1750
Foley, AL 36536

We regret any inconvenience or burden that these new requirements place on you and your business or organization. However, all municipalities in Alabama are mandated to comply with the new Alabama Immigration Law. If you wish to continue doing business with the City of Foley, you must comply and submit a completed Affidavit.

If we can assist in any way, please contact us at 251-943-1545. We appreciate your cooperation regarding this matter.

AFFIDAVIT OF ALABAMA IMMIGRATION COMPLIANCE

The signed Affidavit must be notarized.

In compliance with Sections 31-13-9 of the Alabama Code, this Affidavit of Alabama Immigration Compliance must be completed and signed by an officer or the owner of a business entity or employer and notarized. Please complete Part I if you do NOT employ one or more employees or Part II if you DO employ one or more employees.

Company Name	
Company Representative	*(Please Print Name)*
Address	
City, State, & Zip Code	

PART I – (Complete if you do NOT employ one or more employees and notarize below.)

I certify in my capacity as _____ for the above noted business entity that said entity does not employ one or more employees. I further certify that should my status change and I am required to comply, I will submit all required documents to the City of Foley. I have read this Affidavit and swear and affirm that it is true and correct.

_____
Signature of Affiant

PART II – (Complete if you DO employ one or more employees and notarize below.)

As a condition of the above-referenced Entity/Company's receipt of any contract, grant, or incentive from, by or with the City of Foley, Alabama, the undersigned, as such officer, agent or representative of said Company, after being first duly sworn, states as follows:

1. That said Company will not knowingly employ, hire for employment, or continue to employ an unauthorized alien.
2. That said Company has enrolled in, is currently participating in, and will continue to participate in the "E-Verify" program run by the United States Citizenship and Immigration Service Bureau of the United States Department of Homeland Security for the entire term of said Company's performance under any contract, grant, or incentive it has with the City of Foley, Alabama.
3. The undersigned further represents that, should said entity/company employ or contract with any subcontractor(s) in connection with the physical performance of services pursuant to the contract with the City of Foley, it will secure from such subcontractor(s) verification of compliance with Section 31-13-9 of the Code of Alabama 1975, in a form substantially similar to this affidavit.

Entity's E-Verify Employment Eligibility Verification User Identification Number is: _____

I have read this Affidavit and swear and affirm that it is true and correct.

_____
Signature of Affiant

NOTARY SECTION

State of _____:
County of _____:

Sworn to and subscribed before me this _____ day of _____, 20_____. I certify that the affiant is known (or made known) to me to be the identical party he or she claims to be.

_____
Signature and Seal of Notary Public
My Commission Expires: _____

Please execute, have notarized, and return to the **City of Foley, P.O. Box 1750, Foley, AL 36536**.