

## LEGAL NOTICE

Sealed proposals will be received in the office of the Director of Public Safety, Municipal Building, Cuyahoga Falls, Ohio, until **12:00 Noon, Wednesday, June 16, 2021** with bids being opened in Conference Room A, located on the second floor of the Municipal Building, 2310 Second Street, Cuyahoga Falls, Ohio, for the purchase of **Structural Firefighting Turnout Gear and Personal Protective Equipment**.

Detailed information, blank proposals and complete specifications may be obtained by contacting the Cuyahoga Falls Fire Department at 330-971-8400 or [fire@cityofcf.com](mailto:fire@cityofcf.com).

Bidders must use the printed forms provided therefore, as none other will be accepted. Each proposal must contain the full name of the party or parties making the same, and all parties interested therein, and must be accompanied by a bid bond or certified check in the amount of five percent (5%) of the total amount of the bid, on a solvent bank, as a guarantee that if the bid is accepted, a contract will be entered into. The Director of Public Safety reserves the right to reject any or all bids and to waive any informality in any proposal.

We are an Equal Opportunity Employer.

BY ORDER OF THE DIRECTOR OF  
PUBLIC SAFETY

DON WALTERS, MAYOR

FALLS NEWS:     May 30, 2021  
                  June 6, 2021



# PROPOSAL

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE (written words)
STRUCTURAL FIREFIGHTING BOOTS:	<u>EACH</u>	<u>1</u>		
SCBA MASKS:	<u>EACH</u>	<u>1</u>		
STRUCTURAL FIREFIGHTING HELMET WITH FRONT:	<u>EACH</u>	<u>1</u>		
SCBA MASK BAGS:	<u>EACH</u>	<u>1</u>		
STRUCTURAL FIREFIGHTING COATS:	<u>EACH</u>	<u>1</u>		
STRUCTURAL FIREFIGHTING PANTS WITH SUSPENDERS:	<u>EACH</u>	<u>1</u>		
STRUCTURAL FIREFIGHTING GLOVES:	<u>EACH</u>	<u>1</u>		
STRUCTURAL FIREFIGHTING PROTECTIVE HOODS:	<u>EACH</u>	<u>1</u>		
FLASHLIGHTS WITH HELMET STRAP:	<u>EACH</u>	<u>1</u>		
SHIPPING & HANDLING:	<u>EACH</u>	<u>1</u>		
TOTAL PRICE:				

SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



**Cuyahoga Falls Fire Department**  
**Structural Firefighting Turnout Gear &**  
**Personal Protective Equipment Specifications**

**May 2021**

This document identifies a standard design and fitment of structural firefighting turnout gear; specifically pants and coat, helmets, gloves, and boots, as well as guidelines for various other elements of personal protective equipment and safety equipment. Entities bidding to supply turnout gear for the Cuyahoga Falls Fire Department shall be expected to comply with the following specifications and instructions.

**1) General**

The purpose of the clothing is to provide protection during structural firefighting operations where there is a threat of fire and against adverse environmental effects. The clothing will also provide protection when certain physical hazards are likely to be encountered, such as during non-fire-related rescue operations, emergency medical operations, and victim extrication.

- a) All garments produced shall meet or exceed the criteria set forth in the current edition of NFPA Standard 1971, *Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting*.
- b) All components and composites used in the construction of garments shall be third party tested, certified and listed for compliance to NFPA Standard 1971, 2018 Edition. The certification label of the third party tester as shown in the specifications for the garment label shall denote such certification.

- c) Appropriate warning label(s) shall be permanently affixed to each garment. Additionally, the label(s) shall include the following information: Compliance to NFPA Standard 1971, Underwriters Laboratories classified mark, the manufacturers name, manufacturers address, manufacturers garment identification number, date of manufacture, and size.
- d) The manufacturer shall warrant these coats and pants to be free from defects in materials and workmanship for their serviceable life when properly used and cared for.
- e) A representative of the entity providing turnout gear shall professionally measure the intended wearer, assuring proper fitment and protection by the garment.

## **2) Coat Specifications**

- a) The coat shall be constructed of three separate body panels designed to afford maximum unrestricted movement of the arms and shoulders. The coat shell and liner which are equal in length shall provide a minimum overlap of all protective layers (when worn with bunker pants) in accordance with NFPA 1971, 2018 Edition.
- b) The outer shell, thermal liner, moisture barrier and all material components utilized in the construction of the garment shall meet NFPA 1971, 2018 Edition. The outer shell shall be constructed of Advance material; the thermal liner shall be constructed of Caldura SL2i material; the moisture barrier shall be constructed of Crosstech Black material. Seams shall be double stitched using NOMEX material, with 8-10 stitches per inch for durability and maximum performance. Additionally, where applicable, trim shall be attached with cording for durability.
- c) The assembled garment, consisting of an outer shell, moisture barrier and thermal liner, shall exhibit a TPP (Thermal Protective Performance) rating of not less than 35.

- d) Sleeve length shall be sized adequately to the wearer for flexibility and protection when performing job functions. The coat sleeve shall have extra material for articulation in the elbow. A sewn in protective sleeve band shall be provided to keep water, ash, debris, etc. from entering the sleeve. The sleeve cuff shall also incorporate a wristlet with an opening for the thumb.
- e) Access between the layers of the coat shall be afforded. The thermal liner shall be secured to the outer shell at the bottom of the back of the coat with three (3) hem snap tabs. A protective throat tab shall be provided.
- f) The coat shall have 3" high fluorescent reflective Scotchlite "Triple Trim". Firefighter's coats shall have Lime with Silver trim, and officer's coats shall have Orange with Silver trim. Placement shall be New York City (NYC) Style. Reflective trim shall be attached with protective cord in lieu of conventional stitching. Trim use and placement shall be NFPA 1971, 2018 Edition compliant.
- g) The back of the coat shall have 5" high fluorescent reflective Scotchlite lettering placed horizontally near the top of the back, reading "CFFD"; as well as a standard hanging letter patch or a tail bearing the wearer's name. Lettering on firefighter's coats shall be lime yellow, and officer's coats shall be orange. The hanging letter patch shall be constructed of a double layer of outer shell material. The letter patch will attach to the rear inside hem of the jacket with snap fasteners (4 across the top of the patch) and Velcro, allowing the letter patch to be removable and interchangeable.
- h) The front of the garment shall have bilateral cargo pockets; pockets shall be mounted at the hem of the coat on each side of the front opening. Pockets shall be equipped with two (2) rust resistant metal drain eyelets at the bottom for water drainage. Pocket flaps shall

be double layered. Pockets shall be 8" x 8" cargo style expanding 2" all around. Pocket flaps shall use Velcro closure. The pockets shall be reinforced with a layer of KEVLAR material inside and shall be lined with fleece behind the pocket. A strip of reflective trim across the bottom of the pocket shall continue the trim pattern.

- i) Immediately behind the cargo pocket distally shall be a "D" hook, riveted vertically to each side of the coat. The front of the coat, near the shoulder and/or above the radio pocket, shall have bilateral 4" wide by 1.5" tall microphone tabs sewn to the coat.
- j) The coat shall be closed by means of zipper and FR hook and loop fastener tape. This shall include a 20" size #10 heavy duty high-temp smooth-gliding YKK Vislon zipper on the jacket fronts and FR hook and loop fastener tape on the storm flap. The teeth of the zipper shall be mounted on black Nomex tape and shall be sewn into the respective jacket fronts. The storm flap shall close over the left and right jacket body panels and shall be secured with FR hook and loop fastener tape. A 1½ inch piece of FR loop fastener tape shall be installed along the leading edge of the storm flap on the underside with four rows of stitching. A corresponding 1½ inch piece of FR hook fastener tape shall be sewn with four rows of stitching to the front body panel and positioned to engage the loop fastener tape when the storm flap is closed over the front of the jacket.
- k) A pocket for the wearer's radio shall be sewn on the left chest. Only one radio pocket in that location shall be affixed. The radio pocket shall be constructed of outer shell material and lined with moisture barrier. The pocket shall be approximately 7.5" high x 4.5" wide x 3.5" deep with at least one (1) rust resistant metal drain eyelet at the bottom for drainage. Radio pocket flaps of double layer shell material shall have an internal layer of moisture barrier at 4.5" wide x 5" long with Velcro closure. The radio pocket flap shall



accommodate the radio antenna via a notch on the left side. A strip of 3” reflective trim shall be added to continue the trim pattern.

- l) The coat shall have a Sunlance flashlight holder; constructed of outer shell material 9” wide by 2” tall in size to accommodate a Survivor flashlight. The strip of material shall have Velcro closure and be located on the front chest opposite the radio pocket.
- m) The garment shall feature an incorporated Firefighter Drag Rescue Device accessed at the top middle back of the coat.

### **3) Pant Specifications**

- a) The pant shall be constructed of three separate body panels designed to afford maximum unrestricted movement. The outer shell, thermal liner, moisture barrier and all material components utilized in the construction of the garment shall meet NFPA 1971, 2018 Edition. The outer shell shall be constructed of Tencate Advance material, treated for water resistant and abrasion prevention; the thermal liner shall be constructed of Tencate Caldura SL2i material; the moisture barrier shall be constructed of Crosstech Black material. Seams shall be double stitched using NOMEX material, with 8-10 stitches per inch for durability and maximum performance. Additionally, trim shall be attached with cording for durability. The cuff area of the pants shall be reinforced in black leather.
- b) The assembled garment, consisting of an outer shell, moisture barrier and thermal liner, shall exhibit a TPP (Thermal Protective Performance) rating of not less than 35.
- c) Pants shall be available in men’s and women’s sizes, in even inseam and waist increments, and in regular, slim, and relaxed cuts.
- d) The pant shall incorporate an elasticized waistband. This design shall allow for weight transfer to the hips, instead of shoulders and suspenders. The two rear outer-shell body

panels, beginning at the pant side seams, shall incorporate an elasticized waist insert, running from the side seam towards the back of the trouser for an approximate distance of 4 inches. The rear elasticized waist inserts shall be integral to the shell of the pant and the elasticized portions shall be covered by the outer shell fabric of the pant.

- e) The waist area of the pants shall be reinforced on the inside with a separate piece of black aramid outer shell material, cut diagonally. The reinforcement shall be folded in half, for a finished bottom edge and shall have a finished width of not less than approximately 1½". The top edge of the waistband reinforcement shall be double stitched to the outer shell at the top of the pants. The lower edge of the waistband shall be unattached to the shell to accept the thermal liner and moisture barrier. The top of the thermal liner and moisture barrier shall be secured to the underside of the waistband reinforcement by means of nine snaps, spaced equidistant along the length of the waistband reinforcement. Inserting the liner system between the waistband reinforcement and outer shell serves to reduce the possibility of liner detachment while donning and doffing. The independent waistband construction affords greater comfort and fit than a turned and stitched method.
- f) The pockets shall be constructed of one layer of the outer shell material and lined with the vapor barrier. The lower half of the expansion pockets shall be reinforced on the outside in gold Ara-Shield material. Pocket flaps shall be double layered and extend ½" beyond each side of the pocket. Pockets shall be 10" x 10" cargo style expanding 2" all around. Pockets shall be equipped with two (2) rust resistant metal drain eyelets at bottom for water drainage. Pocket flaps shall use Velcro closure. The left pocket shall have a six (6) tool organizing patch of material sewn onto the pant, facing the pocket.

- g) The pants shall have pleated, articulating knees, including padding and extra material for wearer movement and flexibility. The front of the knee shall have a removable panel affixed with hook and loop fastener tape, as well as snap fasteners.
- h) The pants shall have a full black belt with wide belt loops. Each pant shall include an approximate 2" wide belt constructed of aramid webbing material with an adjustable hi-temp thermoplastic Delrin buckle serving as the exterior primary positive locking closure. This buckle shall also provide a quick-release mechanism for donning and doffing. The pants shall be equipped with a series of black aramid material belt loops spaced around the waist to accommodate the aramid belt.
- i) There shall be three large loops measuring approximately 4" high by 4 ¼" long and two smaller loops measuring approximately ½" wide by 3 ½" long. Two of the large belt loops shall be placed on each side of the front of the pant and third on the rear of the waist, centered over the rear seam. The two smaller loops shall be placed on the rear of the pant, behind the side seams.
- j) The pants shall have a vertical fly closure, comprised of FR hook and loop fastener tape. Pants shall have waist sizes in even whole numbers; inseams shall be in two whole inch increments.
- k) Standard "H" style "Padded Rip-Cord" suspenders shall be provided with each set of pants. On the inside of the waistband shall be attachment for the standard "H" style "Padded Rip-Cord" suspenders. There shall be four (4) attachments total, 2 front and 2 back.
- l) The pants shall have a 3" back bib at the waist.

m) Pants shall have a 3” band of fluorescent reflective Scotchlite “Triple Trim” placed completely around each pant leg just above the cuff. Firefighter’s pants shall have Lime with Silver trim, and officer’s pants shall have Orange with Silver trim. Reflective trim shall be attached with protective cord in lieu of conventional stitching. Trim use and placement shall be NFPA 1971, 2018 Edition compliant.

#### **4) Helmet Specifications**

- a) Structural firefighting helmet shall be a Bullard Traditional Firefighting Helmet with ReTrak. The helmet shall be furnished with an integrated visor that retracts between the helmet shell and impact cap. The visor shall be deployable by the wearer with a single hand. Firefighter’s helmets shall be yellow with lime-yellow reflective tetrahedrons. Lieutenant’s helmets shall be red with red-orange reflective tetrahedrons. Captain’s helmets shall be black with lime-yellow reflective tetrahedrons. The helmet shall be NFPA 1971, 2018 Edition compliant.
- b) A matte leather helmet front shall be furnished, personalized with the recipient’s last name and rank.

#### **5) Hood Specifications**

- a) A PGI BarriAire structural firefighting hood shall be furnished as a part of the personal protective equipment ensemble. The structural firefighting hood shall be constructed with a vapor barrier material for increased particulate protection from carcinogens. The hood shall be NFPA 1971, 2018 Edition compliant.

#### **6) Boot Specifications**

- a) Leather structural firefighting boots shall be furnished as part of the complete firefighting ensemble. The boots shall be NFPA 1971, 2018 Edition compliant.

**7) Glove Specifications**

- a) ProTech Fusion Pro Short Cuff structural firefighting gloves shall be furnished as part of the complete firefighting ensemble. The gloves shall be NFPA 1971, 2018 Edition compliant. The gloves shall have an NFPA 1971, 2018 Edition compliant moisture and blood borne pathogen barrier.

**8) Self-Contained Breathing Apparatus Masks**

- a) SCBA masks shall be SCOTT AV-3000 with SureSeal Facepiece. The Cuyahoga Falls Fire Department utilizes SCOTT Self Contained Breathing Apparatus, and the AV-3000 with SureSeal Facepiece is the most current, compatible, breathing air mask.

**9) Personal Safety Equipment**

- a) A Streamlight intrinsically safe, 3AA, LED, alkaline flashlight shall be furnished. Flashlight shall be designed and rated for use in fire and rescue environments. Flashlight shall be considered part of the wearer's personal protective equipment for the purpose of safety in an immediately dangerous to life or health (IDLH) environment. The flashlight shall be supplied with a rubber strap and mount for affixing the light to the wearer's helmet.

**Shipping Cost Included - Terms: FOB Destination**

**Cuyahoga Falls Fire Station #3**

**1601 Portage Trail**

**Cuyahoga Falls, OH 44221**

