

COVENTRY FIRE TURNOUT GEAR BID SPECIFICATION

1. OVERVIEW

Coventry Township Fire Department has been awarded the 2018 Assistance to Firefighters Grant to purchase 17 complete sets of turnout gear, which includes helmet, boots, 2 sets of gloves, and 2 sets of particulate hoods. This bid specification is for the purchase of structural firefighting turnout gear for use by the Coventry Township Fire Department. **Deadline for project completion is January 31, 2020. Sealed bids will be received until Monday, November 25, 2019 at 1:00 PM EST** at which submitted sealed bids will be publicly opened and read by the members of the fire department. Submitted sealed bids shall be plainly marked Sealed Bids – Coventry Fire Department Turnout Gear Project.

The Board of Coventry Township Trustees reserves the right to reject any or all bids, to waive variations or formalities, and to negotiate changes, additions, or deletions. The Board also reserves the right to accept a bid which it deems to be in the Township's best interest, and will not necessarily be bound to accept the low bid. The Township also reserves the right to extend the time to submit bids, as well as extend the time to open bids.

The Board of Coventry Township Trustees reserves the right to accept a bid in whole containing all quoted items in the bid and also the right to accept a partial bid containing individual items of firefighter turnout ensemble quoted in an individual bid.

2. APPROVALS

1. This specification details design and materials criteria to afford protection to the upper and lower body, excluding head, hands, feet, against adverse environmental effects during structural firefighting. All materials and construction will meet or exceed NFPA Standard #1971 and OSHA for structural fire fighters protective clothing.
2. All components used in the construction of these garments shall be tested for compliance to NFPA Standard #1971 by Underwriters Laboratories (UL). Underwriters Laboratories shall certify and list compliance to that standard. Such certification shall be denoted by the Underwriters Laboratories certification mark.
3. The protective clothing manufacturer shall be certified and registered to ISO Standard 9001 to assure a satisfactory level of quality.

3. DELIVERY/SHIPPING

1. List Delivery/completion time and shipping method.

2. Bids to include any shipping related costs of the turnout gear equipment to:
Coventry Fire Department
68 Portage Lakes Drive
Akron, Ohio 44319

4. QUANTITIES

See attached BID SHEET for quantities.

5. WARRANTY

Bidder to provide a written warranty statement detailing all components of the turnout gear warranty.

6. TURNOUT GEAR SPECS

1. SIZING

In order to insure that every member of the department can safely perform to the maximum of their ability without extra bulk and without restriction, Jackets and Pants shall be available in all sizes and dimensions as follows:

Pants:

Gender:	Gender specific Men's and Women's patterns
Waist:	Even sizes
Body Shape:	Men's: Relaxed and Regular Women's: Relaxed
Inseam:	Even sizes

Jackets:

Gender:	Gender specific Men's and Women's patterns will be available.
Chest:	Even sizes
Back Length:	Turnout gear will be offered in multiple back lengths.
Body Shape:	Men's: Straight and Tapered Women's: Straight
Sleeve:	1 inch increments

Jackets and Pants available in only one standard shape will not be acceptable.

THERMAL PROTECTIVE PERFORMANCE

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.

2. DRAG RESCUE DEVICE (DRD)

A Firefighter Drag Rescue Device (DRD) shall be installed in each jacket. The ends of a 1 inch wide strap, constructed of Kevlar®, shall be sewn together to form a continuous loop. The strap shall be installed in the jacket between the liner system and outer shell such that when properly installed will loop around each arm. The strap will be accessed through a portal between the shoulders on the upper back where it is secured in place by an FR strap. The DRD shall be removable for laundering. The access port shall be covered by an outside flap of shell material, designed to fit between the shoulder straps of an SCBA. The flap will have a NFPA-compliant 3M Scotchlite™ reflective logo patch sewn to the outside to clearly identify the feature as the DRD (Drag Rescue Device). The DRD shall not extend beyond the outside flap. This device provides a quickly deployed means of rescuing a downed firefighter. Flimsy, rope-style DRD straps will not be considered.

3. LINER ACCESS OPENING (JACKET)

The liner system of the jacket shall incorporate an opening at the leading edge of the right front panel. This opening shall run a minimum of 11 inches for the purpose of inspecting the integrity of the jacket liner system. When installed into the outer shell the Liner Access Opening shall be covered and protected by the overlap of the outer shell facing.

4. RETROREFLECTIVE FLUORESCENT TRIM

The retroreflective fluorescent trim shall be lime/yellow 3M Scotchlite™ Triple Trim (L/Y borders with silver center) for firefighters and red/orange 3M Scotchlite™ Triple Trim (R/O borders with silver center) for officers.

Each jacket shall have an adequate amount of retroreflective fluorescent trim affixed to the outside of the outer shell to meet the requirements of NFPA 1971 and OSHA.

The trim shall be in the following widths and shall be NFPA Vertical 2 style; 3 inch wide stripes - around the bottom of the jacket within approximately 1 inch of the hem, horizontally across the chest area approximately 3 inches below the armpit, two vertical stripes on the back (one on each side) beginning at the top of the bottom band of trim and extending up to approximately 3 inches below armpit, around each sleeve below the elbow.

The pants shall have a stripe of retroreflective fluorescent trim encircling each leg below the knee to comply with the requirements of NFPA #1971 in 3 inch lime/yellow 3M Scotchlite™ Triple Trim (L/Y borders with silver center) and red/orange for officers.

Bottom of trim band shall be located approximately 3" above cuff.

5. SEWN ON RETROREFLECTIVE LETTERING

Each jacket shall have 3” lime/yellow 3M Scotchlite™ lettering or 3” orange/red 3M Scotchlite™ for officers across the back of jacket reading: COVENTRY

Additionally, a 3” lime/yellow 3M Scotchlite™ lettering or 3” orange/red 3M Scotchlite™ for officers on bottom of jacket tail with firefighter last name.

6. RADIO POCKET

Each jacket shall have a pocket designed for the storage of a portable radio. This pocket shall be of box type construction, double stitched to the jacket and shall have one drainage eyelet in the bottom of the pocket. The pocket flap shall be constructed of two layers of outer shell material measuring approximately 3 inches longer than the depth of the pocket and ¼ inch wider than the pocket. The pocket flap shall be closed by means of FR hook and loop fastener tape. A 1½ inch by 3 inch piece of FR hook fastener tape shall be installed on the inside of the pocket flap beginning at the center of the bottom of the flap. A 1½ inch by 3 inch piece of FR loop fastener tape shall be installed horizontally on the outside of the pocket near the top center and positioned to engage the hook fastener tape. In addition, the entire inside of the pocket shall be lined with neoprene coated cotton/polyester material to ensure that the radio is protected from the elements. The impermeable barrier material shall also be sandwiched between the two layers of outer shell material in the pocket flap for added protection. The radio pocket shall measure approximately 3 inches deep by 3.5 inches wide by 9 inches high and shall be installed on the left chest.

The radio pocket flap shall be notched to accommodate the radio antenna on the left side as worn.

Note: radio pocket 6-inch and over in height requires trim.

7. MICROPHONE STRAPS

Two straps shall be constructed to hold a microphone for a portable radio. It shall be sewn to the jacket at the ends only. The size of the microphone strap shall be 1 inch x 3 inches.

The microphone straps shall be mounted above the radio pocket on the left chest and above the flashlight holder on the right chest. They shall be constructed of double layer outer shell material.

8. SURVIVOR FLASHLIGHT HOLDER

Each jacket shall be equipped with a “Survivor” flashlight holder. An inward facing safety hook, attached to a double layer self-material strap, shall be double stitched in a vertical position to the upper chest. The inward facing safety hook will accommodate the clip portion of the flashlight. Below the safety hook will be a strap constructed of outer

shell material measuring approximately 1 ¾ inches high and 9 inches wide, and will hold the barrel of the flashlight. The lower strap will be equipped with a 1 ½ inch by 2 ½ inch FR hook and loop closure at the front of the strap to facilitate easy removal of the flashlight. There shall be approximately 3 ½ inches between the upper safety hook and lower strap.

9. HANGING STRAP W/DEE RING

A 1 inch d-ring attached to a double layer self material strap, shall be double stitched in a vertical position to the rear of the right pocket on the jacket.

10. LINER KNEE THERMAL ENHANCEMENT

A minimum of one additional layer of specified thermal liner and one additional layer of moisture barrier material, measuring a minimum of 9 inches by 11 inches, shall be sewn to the knee area of the liner system for added CCHR protection and increased thermal insulation in this high compression area. The knee thermal enhancement layers shall be sandwiched between the thermal liner and moisture barrier layers of the liner system and shall be stitched to the thermal liner layer only. The thermal enhancement layer shall have finished edges by means of over edging. Raw or unfinished edges shall be considered unacceptable. Thermal scraps shall not be substituted for full-cut fabric padding. Smaller CCHR reinforcements shall not be considered acceptable since they provide far less area of coverage.

11. PANT CUFF REINFORCEMENTS

The cuff area of the pants shall be reinforced with a layer of extra material.

The cuff reinforcement shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the end of the legs for greater strength and abrasion resistance. The cuff reinforcement shall be double stitched to the outer shell for a minimum of two rows of stitching. This independent cuff provides an additional layer of protection over a hemmed cuff. Pants that are turned and stitched at the cuff, as opposed to an independent cuff reinforcement, do not provide the same level of abrasion resistance and shall be considered unacceptable.

12. LABELS

Appropriate warning label(s) shall be permanently affixed to each garment. Additionally, the NFPA certification label shall include the following information.

Compliance to NFPA Standard #1971
Underwriters Laboratories classified mark
Manufacturer's name
Manufacturer's address
Manufacturer's garment identification number
Date of manufacture
Size

13. HOOK AND LOOP SUPPORT PROGRAM

Support program shall cover hook or loop tape that has begun to fray or otherwise degrade from normal wear. This program shall remain in effect for a period of five years from the original date of manufacture of the garment. This support program shall cover the repair or replacement, without charge, of any hook and/or loop on the garments produced by the manufacturer providing the garments are otherwise serviceable. This support program does NOT cover damage from fire, heat, chemicals, misuse, accident or negligence. Failure to properly care for garments will serve to void this support program.

14. EXCEPTIONS TO SPECIFICATIONS

Any and all exceptions to the above specifications must be clearly stated for each heading. Use additional pages for exceptions, if necessary.

**COVENTRY FIRE
TURNOUT BID SHEET**

DUE DATE/TIME: MONDAY NOVEMBER 25, 2019 1:00 PM EST

Prices shall be guaranteed for at least 100 days to allow for evaluation and authorization.

Submit to: Coventry Township Fire Department
68 Portage Lakes Drive
Akron, Ohio 44319

<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>Unit Price</u>	<u>Total Amount</u>
34	EACH	Particulate Hood	\$ _____	\$ _____
17	EACH	NFPA 1971 Structural Firefighting Turnout Coat and Pant	\$ _____	\$ _____
17	EACH	Morning Pride Ben 2 Low Rider Helmet with EZ-Flip Eye Protection And Leather Front With color options of Red, Yellow, White, and Black (differences in color Prices denote to the right)	\$ _____	\$ _____
17	EACH	Cairns 660C Metro Composite Firefighting Helmet with Retractable Visor with below color options. Red, Yellow, White, Black (differences in color prices please denote to the right)	\$ _____	\$ _____
34	EACH	Structural Firefighting Gloves	\$ _____	\$ _____
17	EACH	Structural Firefighting Boots	\$ _____	\$ _____
		Any Shipping Related Costs		\$ _____
			Total	\$ _____

Please specify Manufacturer and Model of Equipment in Bid. Two different styles of fire helmets have been specified in the bid. Coventry Fire is in the process of selecting a helmet style. Bidders can choose to bid on one or both of the helmet options listed.

Particulate Hood _____

Turnout Coat and Pant _____

Structural Firefighting Boots _____

Structural Firefighting Gloves _____

We, the undersigned, have read and understand all the requirements set forth in this invitation to bid, including specifications, instructions to bidders, terms and conditions, and other pertinent information regarding the products and services being bid on, and we agree to furnish these products and services at the prices stated herein.

Original, Authorized Signature/Date

Printed Name and Title

Federal Tax ID Number

Phone number

Company Name and Address

Email address

Fax number