



WILLIAM A. BELL, SR.
MAYOR

CITY OF BIRMINGHAM

FINANCE DEPARTMENT

PURCHASING DIVISION

P-100 CITY HALL
710 NORTH 20TH STREET
BIRMINGHAM, ALABAMA 35203-2227

TELEPHONE (205) 254-2265
FAX (205) 254-2484

September 16, 2016

J. THOMAS BARNETT, JR.
FINANCE DIRECTOR

RON NICKEL
PURCHASING AGENT

WILLIAM E. CAFFEE
ASSISTANT PURCHASING AGENT

INVITATION TO BID #-16-50

Sealed bids for firefighter turnout gear for a period of six (6) months upon mutual consent of both parties will be received by the Purchasing Agent, P-100 First Floor City Hall, Birmingham, Alabama until 2:00 p.m., October 13, 2016, at which time and place they will be publicly opened and read.

Bidders wishing to bid can download the complete solicitation including the specifications and bid forms via the internet at www.birminghamal.gov (go to link titled **Bidding Opportunities**), or by visiting the Purchasing Office at the address shown above, or by calling (205) 254-2265, fax (205) 254-2484 and requesting a copy be mailed to you. Any addenda will be available on the internet. Bidder is responsible for checking the website for addenda until the bid opening date. Addenda will be mailed to only those vendors who were provided a copy in person or by mail.

The bidder must submit with his bid either a certified check, a cashier's check, or a bid bond payable to the City of Birmingham in amount of \$500.00. In order for any bid award to be considered, your bid must have been accompanied by an acceptable bid bond or check. Bid bond checks will be returned to all unsuccessful bidders after the formal award is made and to the successful bidder after acceptance of award. Should the successful bidder fail to accept the award, the bid bond or check shall be forfeited.

The City follows a policy of nondiscrimination. No contractor with the City should discriminate on the basis of race, sex, religion or national origin. Failure by the Vendor to carry out these requirements is a material breach of its obligations, which may result in its termination or such other remedy as the City deems appropriate.

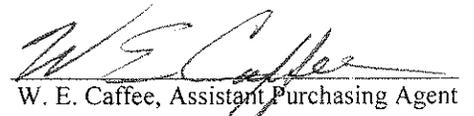
No bid may be withdrawn for a period of sixty (60) days after the date of the bid opening.

All bids are to be submitted on the bid form provided and all bids are to be f.o.b. Birmingham, Alabama delivered.

The City reserves the right to reject any or all bids submitted, in whole or part, and to waive any informalities.

Bids must be submitted in a sealed envelope marked "**Firefighter Turnout Gear 2:00 PM, 10/13/16.**" Bids may be hand delivered to Room P-100 First Floor, City Hall, Birmingham, Alabama or mailed to City of Birmingham, P.O. Box 11295, Birmingham, Alabama 35202-1295. (DO NOT MAIL BIDS TO ROOM P-100 1ST FLOOR CITY HALL). However, bids sent by any express carrier (i.e. Federal Express, UPS, Airborne, etc.) must be shipped to 710 North 20th Street, and specify delivery to Room P-100, 1st Floor-City Hall.

It is the bidder's responsibility to make sure that his bid is in the possession of the Purchasing Agent on or before 2:00 p.m., October, 13, 2016. Bids received after this time will not be considered.


W. E. Caffee, Assistant Purchasing Agent

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Attachment
B.N. 09/21/16

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

SPECIFICATIONS FOR THE SUPPLY OF FIREFIGHTER TURNOUT GEAR FOR THE CITY OF BIRMINGHAM

GENERAL:

The City of Birmingham is seeking bids for firefighter turnout gear. The basis of the bid shall consist primarily of any and all turnout gear the City may require during the life of this contract. The City intends to award to the lowest priced, responsive, responsible bidder on a total lot basis.

The proposed contract shall extend for a minimum time frame of six (6) months at the prices originally bid upon mutual agreement of both parties. The life of this contract shall exist with the provision that no price increase in the original bid prices shall be allowed.

Municipalities are not liable for sales tax: reference Code of Alabama Section 40-23-4. Costs normally considered pass through costs (property tax, use tax, delivery charge, etc.) to the customer by the provider must be included in any fee proposed (Code of Alabama Section 40-12-222). For the purchase of personal property, the City's policy is to apply a local preference option, as allowed by State of Alabama Code, Section 41-16-50, in determining the low bidder.

The contract shall become effective from the date noted in the Notification of Award letter which will be mailed to the successful bidder.

The City will issue purchase order(s) to the successful bidder for the goods and/or services (bid items) that are the subject of the bid. Unless otherwise agreed in a writing that is signed by both parties, the entire agreement between the City and the successful bidder concerning the bid items is comprised of the terms, conditions, specifications and requirements stated in (a) the contemplated purchase order(s), (b) this Invitation to Bid and Specifications and (c) your bid (collectively, the "Contract Requirements"). These writings supersede all former proposals, offers, negotiations, representations or agreements, either written or oral, concerning the provision of vendor's goods and/or services. By acceptance of the City's purchase order(s), the successful vendor agrees to abide by and perform its responsibilities related to the bid items in compliance with the Contract Requirements.

Successful bidder shall not assign this contract to any other party without prior written approval of the City of Birmingham. Contract shall not be assigned to an unsuccessful bidder who was rejected because he was not a responsive or responsible bidder.

Any bid that imposes a service fee or any other type of fee on any order not exceeding a minimum order quantity or minimum purchase order dollar amount, will be determined a non-responsive bid and will not be considered for award.

Any bid that stipulates a reversal of freight charges if a minimum quantity or purchase order amount is not ordered will be determined a non-responsive bid and will not be considered for award.

Failure to adhere to any or all terms, conditions and specifications as set forth in the contract may result in the immediate termination of the contract. Should termination occur, the holder of the contract may be declared a "non-responsible vendor". This declaration may result in the rejection of any future bids submitted by the vendor for a period of time to be determined by the City.

All bids submitted are to be F.O.B. delivered, City of Birmingham, Birmingham, AL.

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

SPECIFICATIONS FOR THE SUPPLY OF FIREFIGHTER TURNOUT GEAR FOR THE CITY OF BIRMINGHAM (cont'd)

Each bidder must submit with his/her bid either a certified check, a cashier's check, or a bid bond payable to the City of Birmingham. In order for any bid award to be considered that exceeds \$10,000.00, your bid must be accompanied by an acceptable bid bond or check in the amount of \$500.00. Bid bond checks will be returned to all unsuccessful bidders after the formal award is made and to the successful bidder after acceptance of award. Should the successful bidder fail to accept the award, the bid bond check shall be forfeited.

The City's standard payment term is Net-30 Days from acceptance. Exception may be allowed for discounted early payment, such as 2%-10, Net 30 Days. The reference date for all such discounted early payment terms will be the date the invoice is received or the date the goods are received, whichever is later. In the event of a dispute the City's records shall prevail. **The City will not consider any bids requiring C.O.D. payments.**

The quantities shown on the bid form are estimated initial purchase quantities only. Merchandise shall be ordered as requirements dictate. The City reserves the right to purchase more or less than this quantity as conditions require, and no bidder shall attempt to hold the quantities shown as a firm quantity under this contract.

Bids may be solicited for the product included in this contract where an immediate/emergency need exists including large quantities. The decision of the Purchasing Agent as to what constitutes a biddable situation shall be final and shall not be construed as a breach of contract.

Any questions concerning these specifications should be addressed to Purchasing Division, Charles Lindsey, phone (205) 254-2269, fax, (205) 254-2484, between the hours of 8:00 a.m. and 3:00 p.m. CST, Monday through Friday.

Vendor (and its employees, agents and any subcontractors) shall not discriminate on the basis of race, color, national origin, or sex in the performance of the services contemplated hereunder. Failure by the bidder to carry out these requirements is a material breach of its obligations, which may result in its termination or such other remedy as the City deems appropriate.

Vendor acknowledges and agrees that, consistent with federal law and City's public policy, it will encourage disadvantaged business enterprise (DBE) participation to the extent permitted by law. A "disadvantaged business enterprise" is a for-profit small business concern (i) at least 51% owned by one or more individuals who are both socially and economically disadvantaged or, in the case of a corporation, in which 51% of the stock is owned by one or more such individuals; and (ii) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it. In accordance with federal law, a "socially and economically disadvantaged individual" includes African-Americans, Hispanic Americans, Native Americans, Asian-Americans, women, and any additional groups designated as socially and economically disadvantaged by the federal Small Business Administration.

Successful bidder acknowledges and agrees that the City has the right to deduct from total amount of consideration to be paid, if any, to the successful bidder under this agreement all unpaid, delinquent, or overdue license fees, taxes, fines, penalties, and other amounts due the City from the successful bidder.

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

Any successful bidder who is not currently set up as a vendor in the City of Birmingham vendor file will be required to submit a completed W-9 tax form prior to any award. The W-9 tax form may be submitted with your bid or no later than seven (7) working days of receipt of notice of intent to award.

The City of Birmingham must have a copy of the successful bidder's current City of Birmingham business license prior to formal award of contract. Each bidder may submit a copy of his/her license along with his/her bid. However, bidder must provide a copy of his/her current business license no later than seven (7) working days of receipt of notice of intent to award. Failure to submit the requested information will result in the notice of intent to award being revoked.

Successful Vendor (located in the State of Alabama or located outside of the State of Alabama, but employs one or more employees within the State of Alabama) represents and warrants that it does not knowingly employ, hire for employment, or continue to employ an "unauthorized alien", as defined by the Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535 (H.B.56) of the Alabama Legislature, as amended from time to time (the "Act") and that, during the performance of this contract, Vendor shall participate in the E-Verify program as required under the term of the Act. Vendor agrees to comply with all applicable provisions of the Act. As a condition for the award of any contract, Vendor shall provide documentation establishing that the Vendor is enrolled in the E-Verify program, or a signed, written statement that the Vendor does not have a presence (one or more employees) in the State of Alabama. Vendor may submit applicable documentation with his/her bid or no later than seven (7) working days of receipt of notice of intent to award.

PLEASE NOTE:

Bidder shall check (✓) each and every paragraph in the appropriate column provided on the right hand edge of the page as to compliance or non-compliance with specifications. Exceptions will be allowed for items that are not listed as "No Exception" if they are equal to or superior to that specified and provided that they are listed and fully explained on the exceptions page. The City shall be the sole judge of equality and the decision of the City of Birmingham shall be final. Bids taking total exception to the specifications will not be accepted.

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

General Requirements	BIDDER COMPLIES YES NO
<p>SCOPE</p> <ul style="list-style-type: none"> • 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 fire fighting. All materials and construction will meet or exceed NFPA Standard #1971 (current addition – 2013), Underwriters Laboratories (UL), and OSHA for structural fire fighters protective clothing. 	<p>-----</p> <p>-----</p>
<p>ACCEPTABLE MANUFACTURERS</p> <ul style="list-style-type: none"> • Products from the following manufacturers have successfully passed current "Field Trials" required by the BFRS: Lion, Fire-Dex and Globe. Any bid submitted for a manufacturer other than Lion, Fire-Dex and Globe will be required to provide a sized sample for Field Trial no later than ten (10) working days from notice to provide. However, bidder may arrange to send samples any time after receipt of this invitation to bid – samples must meet bid specifications. Contact Chief Brian Gargus, phone 205-254-2510 to coordinate shipping the samples. 	<p>-----</p> <p>-----</p>
<p>THIRD PARTY TESTING AND LISTING PROGRAM</p> <ul style="list-style-type: none"> • 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 label. 	<p>-----</p> <p>-----</p>
<p>LABELS</p> <ul style="list-style-type: none"> • 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 • Manufacturer's name • Manufacturer's address • Manufacturer's garment identification number • Date of manufacture • Size • If PPE is sized for particular firefighter, that firefighters name shall be on a label. 	<p>-----</p> <p>-----</p>

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

ISO CERTIFICATION / REGISTRATION	BIDDER COMPLIES	
	YES	NO
<ul style="list-style-type: none"> • The protective clothing manufacturer shall be certified and registered to ISO Standard 9001 to assure a satisfactory level of quality. 	-----	-----
BETTER BUSINESS BUREAU:		
<ul style="list-style-type: none"> • The manufacturer is accredited by the Better Business Bureau, showing a commitment to ethical and principled business practices. 	-----	-----
WARRANTY:		
<ul style="list-style-type: none"> • The manufacturer shall warrant these jackets and pants to be free from defects in materials and workmanship for their serviceable life when properly used and cared for. 	-----	-----
SIZING BY VENDOR:		
<ul style="list-style-type: none"> • Both male and female sizing samples shall be available. 	-----	-----
<ul style="list-style-type: none"> • The jacket length shall be measured from the juncture of the collar and back panel to the hem of the jacket and shall measure 32 inches long. 	-----	-----
<ul style="list-style-type: none"> • The jacket shall be available in even size chest measurements of two-inch increments, and shall range from a small size of 30 to a large size of 68. Generalized sizing, such as small, medium, large, etc., will not be considered acceptable. Sizing specifically for women shall also be available. <u>Vendor shall provide onsite custom sizing on the request of BFRS.</u> 	-----	-----
<ul style="list-style-type: none"> • The pants shall be available in even size waist measurements of two inch increments and shall be available in a range of sizes from 24 to 68. The pant inseam measurement shall be available in two inch increments. Generalized sizing, such as small, medium, large, etc., will not be considered acceptable. Sizing specifically for women shall also be available. <u>Vendor shall provide onsite custom sizing on the request of BFRS.</u> 	-----	-----
SAMPLE FOR INSPECTION		
<ul style="list-style-type: none"> • The apparent low bidder shall submit one (1) complete set of gear for inspection to determine that the gear bid will be in compliance with the specifications. Gear shall be submitted upon notification by the BFRS and delivered within 45 days of the notice. Failure to submit or the determination that the Sample is non-compliant will be cause to reject the bid. 	-----	-----

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Specification: Jackets and Pants for Structural Fire Fighting

EXCEPTIONS TO SPECIFICATIONS	BIDDER COMPLIES
<ul style="list-style-type: none"> Any and all exceptions to the above specifications must be clearly stated for each heading. Use additional pages for exceptions, if necessary. 	YES NO ----- -----
Materials and Construction	
OUTER SHELL MATERIAL - JACKETS AND PANTS	
<ul style="list-style-type: none"> The outer shell shall be constructed of TENCATE "ADVANCE™" 60/40 Kevlar®/Nomex® blend material with an approximate weight of 7.0 oz. per square yard in a rip stop weave. The shell material must be treated with SST™ (SUPER SHELLTITE) which is a durable water-repellent finish that also enhances abrasion resistance. Color of the garments shall be khaki/tan. Bids offering this shell material without the SST™ will not be considered. 	----- -----
OUTER SHELL MATERIAL - (<u>Battalion Chief</u>) JACKETS	
<ul style="list-style-type: none"> The outer shell shall be constructed of TENCATE "DEFENDER™ 750" Nomex® IIIA plain weave with an approximate weight of 7.5 oz. per square yard, shall be treated with Shelltite™ water repellent finish. Color of the garments shall be natural (off white). All other specifications are to be the same. 	----- -----
THERMAL INSULATING LINER - JACKET AND PANTS	
<ul style="list-style-type: none"> The thermal liner shall be constructed of 7.6 oz. per square yard TENCATE "CALDURA® SL2™"; one layer of 1.5 oz. and one layer of 2.3 oz. per square yard Nomex® E-89™ spunlaced Nomex®/Kevlar® aramid blend, quilt stitched to a Kevlar® filament and FR rayon/para-aramid/nylon inherently wicking Caldura® face cloth. A 7 inch by 9 inch pocket, constructed of self material and lined with moisture barrier material, shall be affixed to the inside of the jacket thermal liner on the left side by means of a lock stitch. The thermal liner shall be attached to the moisture barrier and bound together by bias-cut neoprene coated cotton/polyester around the perimeter. This provides superior abrasion resistance to the less expensive, less durable, "stitch and turn" method. Further mention of "Thermal Liner" in this specification shall refer to this section. <i>NOTE: This thermal liner MUST be used exclusively with a minimum 7 oz. per square yard outer shell material or with Crosstech 4A moisture barrier.</i> 	----- -----

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	BIDDER COMPLIES	
	YES	NO
<p>MOISTURE BARRIER - JACKETS AND PANTS</p> <ul style="list-style-type: none"> • The moisture barrier material shall be W.L. GORE CROSSTECH® black moisture barrier - Type 2F, which is comprised of a CROSSTECH® membrane laminated to a 3.3 ounce per square yard Nomex® IIIA woven pajama check substrate. The CROSSTECH® membrane is an enhanced bicomponent membrane comprised of an expanded PTFE (polytetrafluoroethylene, for example Teflon®) matrix having a continuous hydrophilic (i.e. water-loving) and oleophobic (i.e. oil-hating) coating that is impregnated into the matrix. CROSSTECH® moisture barrier seams shall be sealed with GORE-SEAM® tape using a Series 6000 (or higher) GORE-SEAM™ sealing machine to afford comparable bacteriophage penetration resistance performance. Further mention of "Specified Moisture Barrier" in this specification shall refer to this section. 	-----	-----
<p>SEALED MOISTURE BARRIER SEAMS</p> <ul style="list-style-type: none"> • All moisture barrier seams shall be sealed with a minimum 1 inch wide sealing tape. One side of the tape shall be coated with a heat activated glue adhesive. The adhesive side of the tape shall be oriented toward the moisture barrier seam. The adhesive shall be activated by heat and the sealing tape shall be applied to the moisture barrier seams by means of pressure exerted by rollers for that purpose. 	-----	-----
<p>METHOD OF THERMAL LINER/MOISTURE BARRIER ATTACHMENT FOR JACKETS AND PANTS</p> <ul style="list-style-type: none"> • The thermal liner and moisture barrier shall be completely removable from the jacket shell. Two strips of 5/8 inch wide FR Velcro® fastener tape shall secure the thermal liner/moisture barrier to the outer shell along the length of the neck line under the collar (see Collar section). The remainder of the thermal liner/moisture barrier shall be secured with snap fasteners appropriately spaced on each jacket facing and Ara-Shield® snap fasteners at each sleeve end. One of the Ara-shield® snap tabs shall be a different color in the liner to correspond with color coded snap tabs for ease of matching the liner system to the outer shell after inspection or cleaning is completed. • The thermal liner and moisture barrier shall be completely removable from the pant shell. Nine snap fasteners shall be spaced along the waistband to secure the thermal liner to the shell. The legs of the thermal liner/moisture barrier shall be secured to the shell by means of Ara-Shield® snap fasteners per leg. The Ara-shield® snap tabs shall be color coded to a corresponding snap tab in the liner for ease of matching the liner system to the outer shell after inspection or cleaning is completed. 	-----	-----

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	BIDDER COMPLIES	
	YES	NO
<p>THERMAL PROTECTIVE PERFORMANCE</p> <ul style="list-style-type: none"> 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. 	-----	-----
<p>STITCHING</p> <ul style="list-style-type: none"> The outer shell shall be assembled using stitch type #301, #401, #514 and #516. The thermal liners and moisture barriers shall be assembled using stitch type #301, #401, #504, #514, and #516. Stitching in all seams shall be continuous. Major A outer shell structural seams, major B structural liner seams and shall have a minimum of 8 to 10 stitches per inch. 	-----	-----
JACKET CONSTRUCTION		
<p>BODY</p> <ul style="list-style-type: none"> The body of the shell and Action liner system shall be constructed of three separate panels consisting of two front panels and one back panel. The body panels shall be shaped so as to provide a tailored fit thereby enhancing body movement and shall be joined together by double stitching with Nomex® thread. 	-----	-----
<p>LOGOS</p> <ul style="list-style-type: none"> The garment brand shall be identified by means of red FR Nomex thread embroidery on the top of the right collar denoting the manufacturer. There shall be a reflective label specific to the garment style, measuring 1 inch wide by 4 inches long, installed on the left pocket flap. 	-----	-----
<p>DRAG RESCUE DEVICE (DRD)</p> <ul style="list-style-type: none"> A Firefighter Drag Rescue Device shall be installed in each jacket. The ends of a 1½ inch wide strap, constructed of black Kevlar® with a red Nomex® center stripe, will be sewn together to form a continuous loop. The strap will 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 a FR Velcro® strap. The access port will be covered by an outside flap of shell material, with beveled corners 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. 	-----	-----

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

	BIDDER COMPLIES	
	YES	NO
<p>REINFORCED TRIM STITCHING</p> <ul style="list-style-type: none"> All reflective trim is secured to the outer shell with Nomex® thread, using a locking chainstitch protected by a strip of 3/32-inch strong, durable, flame resistant black Kevlar® cording providing a bed for the stitching along each edge of the retroreflective fluorescent trim surface and affording extra protection for the thread from abrasion. This system has been proven to be 5 to 7 times more durable than single or even double rows of stitching, significantly reducing maintenance costs and providing more value and a longer service life. Two rows of stitching used to attach the trim in place of the this system shall be considered an unacceptable alternative, since it has been proven that the two rows of stitching has insignificant impact on wear life. All trim ends shall be securely sewn into a seam for a clean finished appearance. 	-----	-----
<p>SEWN ON RETROREFLECTIVE LETTERING</p> <ul style="list-style-type: none"> Each jacket shall have 3" lime/yellow 3M Scotchlite™ lettering on the upper back area. "BFRS" 	-----	-----
<p>COLLAR & FREE HANGING THROAT TAB</p> <ul style="list-style-type: none"> The collar shall consist of a four-layer construction and be of two-piece design. The collar shall have a minimum of 3 rows of quilting. The outer layers shall consist of outer shell material on the outside and on the inside. There shall be a layer of specified moisture barrier and a layer of Nomex® pajama check material sandwiched in between (see Moisture Barrier section). The rear inside ply of Nomex® pajama check shall be sewn to the collar's back layer of outer shell at the edges only. The forward inside ply of moisture barrier shall be sewn to the inside of the collar at the edges only. The multi-layered configuration shall provide protection from water and other hazardous elements. The collar shall be a minimum of 3 inches high and graded to size. The leading edges of the collar shall extend up evenly from the leading edges of the jacket front body panels so that no gap occurs at the throat area. The collar's back layers of outershell and moisture barrier shall be joined to the body panels with two rows of stitching. Inside the collar, above the rear seam where it is joined to the shell shall be a strip of 5/8 inch wide FR Velcro® loop fastener tape running the full length of the collar. The collar's front layers of moisture barrier and outershell shall have an additional strip of 5/8 inch wide FR Velcro® hook fastener tape stitched to the inside lower edge and running the full length of the collar. These two inside strips of 5/8 inch wide FR Velcro® fastener tape sewn to the underside of the collar shall engage corresponding pieces of FR Velcro® fastener tape on the neck extension of the liner system. A self material fabric hanger loop shall be sewn at the top of collar. 	-----	-----

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Specification: Jackets and Pants for Structural Fire Fighting

<ul style="list-style-type: none"> The throat tab shall be a scoop type design and constructed of two plies of outer shell material with two center plies of moisture barrier material. The throat tab shall measure not less than 2½ inches wide at the center tapering to 2 inches at each end with a total length of approximately 7½ inches. The throat tab will be attached to the right side of the collar by a 1 inch wide by 1½ inch long piece of Nomex® twill webbing. The throat tab shall be secured in the closed and stowed position with FR Velcro® hook and loop fastener tape. The FR Velcro® hook and loop fastener tape shall be oriented to prevent exposure to the environment when the throat tab is in the closed position. A 1½ inch by 3 inch piece of FR Velcro® loop fastener tape shall be sewn horizontally to the inside leading end of the throat tab and a 1½ inch by 3 inch piece of FR Velcro® hook fastener tape shall be sewn horizontally to the opposite end of the throat tab. A corresponding piece of FR Velcro® hook fastener tape measuring 1½ inches by 3 inches shall be sewn horizontally to the leading outside edge of the collar on the left side, for attachment and adjustment when in the closed position and wearing a breathing apparatus mask. The collar closure strap shall fold in half for storage with the FR Velcro® loop fastener tape engaging the FR Velcro® hook fastener tape. 	<p>-----</p> <p>-----</p>
<p>JACKET FRONT</p>	
<ul style="list-style-type: none"> The jacket shall incorporate separate facings to ensure there is no interruption in thermal or moisture protection in the front closure area. The facings shall measure approximately 3 inches wide, extend from collar to hem, and be double stitched to the underside of the outer shell at the leading edges of the front body panels. A breathable moisture barrier material shall be sewn to the jacket facings and configured such that it is sandwiched between the jacket facing and the inside of the respective body panel. The breathable film side shall face inward to protect it. There shall be wicking barrier constructed of Crosstech 2F moisture barrier material installed on the front closure system on the left and right side directly below the front facings to ensure continuous protection and overlap. The thermal liner and moisture barrier assembly shall be attached to the jacket facings by means of snap fasteners. 	<p>-----</p> <p>-----</p>
<p>STORM FLAP</p>	
<ul style="list-style-type: none"> A rectangular storm flap measuring approximately 3 inches (6 inches for hook and dee inside/FR Velcro® outside closure; aka #7C) wide and a minimum of 23 inches long (based on a 32" jacket) shall be centered over the left and right body panels to ensure there is no interruption in thermal or moisture protection in the front of the jacket. The outside storm flap shall be constructed of two plies of outer shell material with a center ply of breathable moisture barrier material. The outside storm flap shall be double stitched to the right side body panel and shall be reinforced at the top and bottom with bartacks. 	<p>-----</p> <p>-----</p>
<p>STORM FLAP AND JACKET FRONT CLOSURE SYSTEM</p>	
<ul style="list-style-type: none"> The jacket shall be closed by means of a 22 inch size #10 heavy duty 	

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<p>brass zipper on the jacket fronts and FR Velcro® 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 facings. The storm flap shall close over the left and right jacket body panels and shall be secured with FR Velcro® hook and loop fastener tape. A 1½ inch by 24 inch piece of FR Velcro® 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 by 23 inch piece of FR Velcro® 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. The storm flap shall also be secured by means of four non-ferrous inward facing hook and dee rings. The dee rings shall be secured to the leading edge of the storm flap with two rivets. The rivets shall be reinforced on the underside of the storm flap with leather. Four inward facing hooks shall be attached to the left front body panel with three rivets per hook. The rivets shall be reinforced on the inside of the body panel with a single circular piece of leather on each hook. The inward facing hooks shall be positioned in such a manner that they engage the dee rings when the storm flap is closed over the front of the jacket.</p>	<p>BIDDER COMPLIES</p> <p>YES NO</p> <p>----- -----</p>
<p>CARGO/HANDWARMER EXPANSION POCKETS</p> <ul style="list-style-type: none"> • Each jacket front body panel shall have a <u>2 inch deep by 8 inch wide by 8 inch high</u> expansion pocket double stitched to the shell and shall be located such that the bottom of the pockets are at the bottom of the jacket for full functionality when used with an SCBA. Retroreflective trim shall run over the bottom of the pockets so as not to interrupt the trim stripe. Two rust resistant metal drain eyelets shall be installed in the bottom of each expansion pocket to facilitate drainage of water. <i>The lower half of the pocket shall be reinforced with a layer of Kevlar® material on the inside.</i> The pocket flaps shall be rectangular in shape, constructed of two layers of outer shell material and shall measure 3 inches deeper than the pocket expansion and ½ inch wider than the pocket. The pocket flaps shall be closed by means of FR Velcro® hook and loop fastener tape. Two pieces of 1½ inch by 3 inch FR Velcro® hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end). Two corresponding pieces of 1½ inch by 3 inch FR Velcro® loop fastener tape shall be installed horizontally on the outside of each pocket near the top (one piece on each end) and positioned to engage the hook fastener tape. 	<p>----- -----</p>
<p>KEVLAR TWILL POUCH (Expansion pocket only)</p> <ul style="list-style-type: none"> • The expansion pockets shall be fully lined with a Kevlar Twill Pouch to include the front, back, bottom and sides. 	<p>----- -----</p>
<p>SLEEVES</p> <ul style="list-style-type: none"> • The sleeves shall be of two-panel construction, contoured, and of set in design. The outer and under sleeve panels shall be double stitched together with Nomex® thread. The sleeves shall be contoured (curved) to follow the natural shape of the human arm unlike straight, tubular sleeve 	<p>----- -----</p>

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

<p>configurations. An underarm gusset shall be incorporated between the underside of the sleeve and the body of the jacket, and shall be used in all layers of the garment (shell, moisture barrier, and thermal liner). The underarm gusset shall measure approximately 5 inches wide by 17 inches long (all layers) and graded to size, beginning at the front of the armpit and terminating approximately three inches from the top of the back of the shoulder, and shall provide for a high degree of uninhibited arm and shoulder movement.</p>	<p>BIDDER COMPLIES</p> <p>YES NO</p> <p>----- -----</p>
<p>SLEEVE CUFF REINFORCEMENTS</p> <ul style="list-style-type: none"> • The sleeve cuffs shall be reinforced with black Ara-Shield® material. The cuff reinforcements shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the sleeve end for greater strength and abrasion resistance. The cuff reinforcement shall be double stitched to the sleeve end; a single row of stitching shall be considered unacceptable. This independent cuff provides an additional layer of protection as compared to a turned and stitched cuff. Jackets finished with a turned and stitched cuff do not provide the same level of abrasion resistance and will be considered unacceptable. 	<p>----- -----</p>
<p>WRISTLETS / SLEEVE WELLS</p> <ul style="list-style-type: none"> • Each jacket shall be equipped with Nomex® hand and wrist guards (over the hand) not less than 7 inches in length and of double thickness. A separate thumbhole with an approximate diameter of 2 inches shall be recessed approximately 1 inch from the leading edge. Nomex® knit is constructed of 96% Nomex® and 4% Spandex for shape retention. The color of the wristlets shall be white, grey. • The wristlets shall be sewn to flame resistant neoprene coated cotton/polyester impermeable barrier material, which in turn shall be sewn to the inside of the sleeve shell approximately five inches from the sleeve cuff. This sleeve well configuration serves to prevent water and other hazardous elements from entering the sleeves when the arms are raised. The neoprene barrier material shall also line the inside of the sleeve shell from the cuff to a point approximately five inches up, where it joins the sleeve well and is double stitched to the shell. Four Ara-shield® snap tabs will be sewn into the juncture of the sleeve well and wristlet. The tabs will be spaced equidistant from each other and shall be fitted with female snap fasteners to accommodate corresponding male snaps in the liner sleeves. One of the Ara-shield® snap tabs shall be a different color in the liner to correspond with color coded snap tabs for ease of matching the liner system to the outer shell after inspection or cleaning is completed. This configuration will ensure there is no interruption in protection between the sleeve liner and wristlet. 	<p>----- -----</p> <p>----- -----</p>
<p>THERMAL NEOPRENE CUFF PROTECTOR</p> <ul style="list-style-type: none"> • The cuff area of the jacket shall have a layer of Neoprene coated cotton/polyester sewn on the thermal liner from the bottom of the cuff up approximately 6 inches. This cuff protector helps to prevent wicking of moisture up from the cuff area when in contact with water. 	<p>----- -----</p>

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	BIDDER COMPLIES	
	YES	NO
<p>LINER SHOULDER THERMAL ENHANCEMENT</p> <ul style="list-style-type: none"> A minimum of one additional layer of thermal liner material shall be used to increase thermal insulation in the shoulder area of the liner system. This thermal enhancement layer shall drape over the top of each shoulder extending from the collar to the sleeve/shoulder seam, down the front approximately 2 inches from the juncture of the collar down the back to a depth of 2 inches to provide greater CCHR protection in this high compression area. The upper back, front and shoulder 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 overedging. 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. 	-----	-----
<p>RADIO/CELL/PEN POCKET</p> <ul style="list-style-type: none"> 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. There shall be an open pocket on the front of the radio pocket (PASSPORT pocket). The pocket flap shall be constructed of two layers of outer shell material measuring approximately 5 inches deep and ¼ inch wider than the pocket. The pocket flap shall be closed by means of FR Velcro® fastener tape. A 1½ inch by 3 inch piece of FR Velcro® hook fastener tape shall be installed vertically 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 Velcro® 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. The flap shall close over the open pocket. In addition, the entire inside of the pocket shall be lined with neoprene coated cotton/polyester impermeable barrier 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 2 inches deep by 3 inches wide by 9 inches high and shall be installed on the left chest. <u>Shall be designed to hold Motorola XTS 5000 radio</u> 	-----	-----
<p>NOTCHED RADIO POCKET FLAP</p> <ul style="list-style-type: none"> The radio pocket flap shall be notched to accommodate the radio antenna on the left side as worn. 	-----	-----

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

	BIDDER COMPLIES	
	YES	NO
<p>MICROPHONE STRAP</p> <ul style="list-style-type: none"> • A strap 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. • One microphone strap shall be mounted above the radio pocket on the left chest. A second microphone strap shall be mounted on the right chest. Both straps shall be constructed of double layer outer shell material. <p>FACE MASK / HELMET / POUCH HOLDER</p> <ul style="list-style-type: none"> • An inward facing metal helmet snap shall be riveted to a leather strap approximately 2 inches in length and of double thickness. The strap and helmet snap shall be mounted vertically to the front of the jacket with the helmet snap in the down position. This shall be used to hold a facemask, helmet or pouch equipped with a ring holder. The holder shall be located on the right chest 1 inch below the microphone strap. 	<p>-----</p> <p>-----</p> <p>-----</p>	<p>-----</p> <p>-----</p> <p>-----</p>
PANT CONSTRUCTION		
<p>BODY</p> <ul style="list-style-type: none"> • The body of the shell shall be constructed of four separate body panels consisting of two front panels and two back panels. The body panels shall be shaped so as to provide a tailored fit, thereby enhancing body movement, and shall be joined together by double stitching with Nomex® thread. The body panels and seam lengths shall be graded to size to assure accurate fit in a broad range of sizes. <p>LINER ACCESS OPENING (PANT)</p> <ul style="list-style-type: none"> • The combined moisture barrier and the thermal liner shall be completely removable for the pant. The thermal liner and moisture barrier layers of the liner system shall be stitched together and bound around the cuffs, but each layer will be individually bound at the top of the waist. The binding shall be of Bias-Cut neoprene coated cotton/polyester material for a finished appearance that prevents fraying and wicking of contaminants. The thermal liner and moisture barrier layers are attached at the waist band with a snap on either side and one center snap. Additionally, there shall be four independent snap tabs that secure the moisture barrier layer to the shell to prevent any gapping. The bottom of the liner fly opening shall have a reinforcement of black Nomex® Twill which serves to prevent the liner from tearing in this area which is highly stressed as a result of the constant donning 	<p>-----</p>	<p>-----</p>

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

<p>and doffing of the pants.</p>	
<p>SIZING</p> <ul style="list-style-type: none"> The pants shall be available in even size waist measurements of two inch increments and shall be available in a range of sizes from 24 to 68. The pant inseam measurement shall be available in two inch increments. Generalized sizing, such as small, medium, large, etc., will not be considered acceptable. Sizing specifically for women shall also be available. <u>Vendor shall provide onsite custom sizing on the request of BFRS.</u> 	<p>-----</p> <p>BIDDER COMPLIES</p> <p>YES NO</p> <p>-----</p>
<p>RETROREFLECTIVE FLUORESCENT TRIM</p> <ul style="list-style-type: none"> 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). Bottom of trim band shall be located approximately 3" above cuff. 	<p>-----</p> <p>-----</p>
<p>REINFORCED TRIM STITCHING</p> <ul style="list-style-type: none"> All reflective trim is secured to the outer shell with Nomex® thread, using a locking chainstitch protected by a strip of 3/32-inch strong, durable, flame resistant black Kevlar® cording providing a bed for the stitching along each edge of the retroreflective fluorescent trim surface and affording extra protection for the thread from abrasion. This system has been proven to be 5 to 7 times more durable than single or even double rows of stitching, significantly reducing maintenance costs and providing more value and a longer service life. Two rows of stitching used to attach the trim in place of this system shall be considered an unacceptable alternative, since it has been proven that the two rows of stitching has a significant impact on wear life. All trim ends shall be securely sewn into a seam for a clean finished appearance. 	<p>-----</p> <p>-----</p>
<p>WAISTBAND</p> <ul style="list-style-type: none"> The waist area of the pants shall be reinforced on the inside with a separate piece of black aramid outer shell material not less than two inches in width. Neoprene coated cotton/polyester impermeable barrier shall be sewn to the back of the waistband as a reinforcement. 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 serged and 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 so as to be sandwiched between the waistband reinforcement and outer shell to reduce the possibility of liner detachment while donning and to avoid pass through of snaps from the outer shell to the inner liner. 	<p>-----</p> <p>-----</p>

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TAKE UP STRAPS	BIDDER COMPLIES	
	YES	NO
<ul style="list-style-type: none"> • The pants shall be equipped with two take up straps. The straps shall be constructed of 1 inch wide black Aramid twill and be positioned in the waist area on the outside of the garment; one on each side. Each take up strap shall be comprised of two sub-component straps. The rear strap component shall be constructed of black twill Nomex®. The rear strap shall measure 1 inch wide and 4 inches long, folded back to form a loop, and shall be bartacked to the pants. The loop shall hold a high temp thermoplastic buckle. The buckle shall point toward the front. The front strap component shall measure 1 inch wide by approximately 9 inches long (finished dimension). One end shall be folded back on itself to form a loop. 	-----	-----
<ul style="list-style-type: none"> • A high temp thermoplastic slide fastener shall be captured within the loop. The front strap component shall be inserted through the buckle on the rear strap component, back through the slide fastener, and the end shall be bartacked to the pants. A pull-tab of 1 inch black Aramid twill shall be affixed to the slide fastener. The take up strap pull-tabs shall <u>pull toward the front</u> to allow for adjustment. 	-----	-----
PANT CLOSURE SYSTEM		
<ul style="list-style-type: none"> • The exterior primary positive locking closure shall be an inward facing metal safety hook and dee ring. The safety hook shall be attached to a leather strap that is triple riveted to the right front body panel in the waist area. A leather backed dee ring shall be riveted to the leading edge of the fly flap near the top. The snap hook shall engage the dee ring located on the fly flap when in the closed position. 	-----	-----
<ul style="list-style-type: none"> • The internal fly flap closure shall consist of 1½ inch wide by full-length FR Velcro® hook and loop fastener tape. The FR Velcro® loop portion shall be sewn with four rows of stitching to the inside of the leading edge of the external fly flap. The corresponding portion of FR Velcro® hook fastener tape shall be sewn with four rows of stitching to the right front body panel positioned to engage the loop portion when the external fly flap is in the closed position. 	-----	-----
EXTERNAL / INTERNAL FLY FLAP		
<ul style="list-style-type: none"> • The fly flap shall be constructed of two pieces of outer shell material. A center ply of specified moisture barrier shall be sandwiched between the two outer shell pieces. The fly flap shall be double stitched to the left front body panel beginning at the waist and extending down to a depth of approximately 11 inches. The fly flap shall be approximately 6 inches wide at the top, tapering to approximately 1 inch in width at the crotch where it will be further reinforced with a bartack. A leather backed dee ring shall be riveted to the leading edge of the fly flap at the top and shall be positioned to engage the safety hook on the take-up strap when the fly flap is in the closed position. 	-----	-----

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<ul style="list-style-type: none"> • An internal fly flap constructed of one ply of outer shell material, thermal liner and specified moisture barrier, measuring approximately 2 inches wide by 11 inches long, shall be sewn to the leading edge of the right front body panel in the fly area. The thermal liner and moisture barrier of the internal fly shall extend approximately 7 inches horizontally from the leading edge of the fly flap and will follow the shape of the outside large fly flap. The action of the external fly flap overlapping the internal fly flap lined with thermal liner and moisture barrier will ensure there is no interruption in protection. • Appropriate male and female snap fastener halves shall be installed at the leading edge of the waistband for the purpose of further securing the pants in the closed position. 	<p>BIDDER COMPLIES</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center;">YES</td> <td style="width: 50%; text-align: center;">NO</td> </tr> <tr> <td style="text-align: center;">-----</td> <td style="text-align: center;">-----</td> </tr> </table>	YES	NO	-----	-----
YES	NO				
-----	-----				
LINER KNEE THERMAL ENHANCEMENT					
<ul style="list-style-type: none"> • A minimum of one additional layer of specified thermal liner and one additional layer of moisture barrier material, measuring a minimum of 7 inches by 10 inches, will 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 overedging. 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. 	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center;">-----</td> <td style="width: 50%; text-align: center;">-----</td> </tr> </table>	-----	-----		
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KNEE REINFORCEMENTS					
<ul style="list-style-type: none"> • The knee area shall be reinforced with black Ara-Shield® material. The knee reinforcement shall be centered on the leg to insure proper coverage when bending, kneeling and crawling. The knee reinforcements shall measure 9 inches wide by 12 inches high and shall be double stitched to the outside of the outer shell in the knee area for greater strength and abrasion resistance. Knee reinforcements of a smaller size do not provide the same protective coverage and shall be considered unacceptable. The lower edge of the Ara-Shield® knee reinforcement shall be turned under so that the lower row of stitching is covered and protected from abrasion. 	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center;">-----</td> <td style="width: 50%; text-align: center;">-----</td> </tr> </table>	-----	-----		
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EXPANSION POCKETS					
<ul style="list-style-type: none"> • An expansion pocket, measuring approximately <u>2 inches deep by 10 inches wide by 10 inches high</u> shall be double stitched to the side of each leg straddling the out-seam above the knee and positioned to provide accessibility. The lower half of each expansion pocket shall be reinforced with a layer of outer shell material on the inside. Two rust resistant metal drain eyelets shall be installed on the underside of each expansion pocket to facilitate drainage of water. The pocket flaps shall be rectangular in shape, constructed of two layers of outer shell material 	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center;">-----</td> <td style="width: 50%; text-align: center;">-----</td> </tr> </table>	-----	-----		
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<p>and shall measure 3 inches deeper than the pocket expansion and 1/2 inch wider than the pocket. The pocket flaps shall be closed by means of FR Velcro® hook and loop fastener tape. Two pieces of 1 1/2 inch by 3 inch FR Velcro® hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end). Two corresponding pieces of 1 1/2 inch by 3 inch FR Velcro® loop fastener tape shall be installed horizontally on the outside of each pocket near the top (one piece on each end) and positioned to engage the hook fastener tape.</p>	<p>-----</p> <p>BIDDER COMPLIES</p> <p>YES NO</p> <p>-----</p>
<p>KEVLAR TWILL POUCH (Expansion pocket only)</p> <ul style="list-style-type: none"> The expansion pockets shall be fully lined with a Kevlar Twill Pouch to include the front, back, bottom and sides. 	<p>-----</p> <p>-----</p>
<p>POCKET DIVIDER</p> <ul style="list-style-type: none"> The right side expansion pocket shall be equipped with a vertical divider separating the pocket into two compartments. The divider will split the pocket 1/3rd from the rear. 	<p>-----</p> <p>-----</p>
<p>PANT CUFF REINFORCEMENTS</p> <ul style="list-style-type: none"> The cuff area of the pants shall be reinforced with black Ara-Shield® material. The cuff reinforcement shall not be less than 1 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. 	<p>-----</p> <p>-----</p>
<p>PADDED RIP-CORD SUSPENDERS & ATTACHMENT</p> <ul style="list-style-type: none"> On the inside waistband shall be attachments for the standard "H" style "Padded Rip-Cord" suspenders. There will be four attachments total – 2 front, 2 back. The suspender attachments shall be constructed of a double layer of black aramid measuring approximately 1/2 inch wide by 3-inches long. They shall be sewn in a horizontal position on the ends only to form a loop. The appearance will be much like a horizontal belt loop to capture the suspender ends. A pair of "H" style "Padded Rip-Cord" suspenders shall be specially configured for use with the pants. The main body of the suspenders shall be constructed of 2 inch wide black webbing straps. The suspenders shall run over each shoulder to a point approximately shoulder blade high on the back, where they shall be joined by a 2 inch wide horizontal piece of webbing measuring approximately 8-inches long, forming the "H". This shall prevent the suspenders from slipping off the shoulders. The shoulder area of the suspenders will be padded for comfort by fully encasing the 	<p>-----</p> <p>-----</p>

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<p>webbing with aramid batting and wrap-around black aramid.</p> <ul style="list-style-type: none"> • The rear ends of the suspenders will be sewn to 2-inch wide elasticized webbing extensions measuring approximately 8-inches in length and terminating with thermoplastic loops. The forward ends of the suspender straps shall be equipped with specially configured black powder coat non-slip metal slides with teeth. Through the metal slides will be the 9 inch lengths of strap webbing "Rip-Cords" terminating with thermoplastic loops on each end. Pulling on the "Rip-Cords" shall allow for quick adjustment of the suspenders. • Threaded through and attached to the thermoplastic loops on the forward and rear ends of the suspenders will be black aramid suspender attachments incorporating two snap fasteners. The aramid suspender attachments are to be threaded through the suspender attachment loops on the inside waistband of the pants. The aramid suspender attachments will then fold over and attach to themselves securing the suspender to the pants. <p>REVERSE BOOT CUT</p> <ul style="list-style-type: none"> • The outer shell pant leg cuffs will be constructed such that the back of the leg is approximately 1 inch shorter than the front. The liner will also have a reverse boot cut at the rear of the cuff and a concave cut at the front to keep the liner from hanging below the shell. This construction feature will minimize the chance of premature wear of the cuffs and injuries due to falls as a result of "walking" on the pant cuffs. Pants that have "cut-outs" in the back panel rather than a contoured boot cut shall be considered unacceptable 	<p>-----</p> <p>BIDDER COMPLIES</p> <p>YES NO</p> <p>-----</p> <p>-----</p> <p>-----</p>
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BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

BID FORM

W. E. Caffee
Assistant Purchasing Agent
Birmingham, AL

Submitted below is my firm bid for firefighter turnout gear for the City of Birmingham, for a period of six (6) months, in accordance with your Invitation to Bid and specifications dated September 16, 2016. Prices quoted are f.o.b. Birmingham, AL, and I am bidding in exact accordance with the specifications except as listed below.

APPROX QTY.	DESCRIPTION	MAKE/STYLE	UNIT PRICE	EXTENDED TOTAL
100	Turnout Pants with suspenders		\$	\$
50	Turnout Suspenders only		\$	\$
100	Turnout Coats		\$	\$
12	Turnout Coats, Nomex Material (Battalion Chiefs)		\$	\$
			GRAND TOTAL	\$

BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT

Specification: Jackets and Pants for Structural Fire Fighting

BID FORM (cont'd)

I hereby certify that we do not discriminate in employment of our personnel against any persons on account of race, creed, color, sex, or national origins, and acknowledge and agree that the City encourages minority – and women – owned business participation to the maximum extent possible. This policy includes Historically Underutilized Business Enterprises such as architectural firms, engineering firms, investment banking firms, other professional service providers and construction contractors as part of the City's business, economic and community revitalization programs.

EXCEPTIONS TO SPECIFICATIONS: (use extra pages if necessary)

Bidder acknowledges receipt of _____ addenda to the bid.
(addenda number)

This page must be returned with bid.

Date of Bid

Name (Print legibly or Type)

Company

Title

Street Address

Signature

City State Zip

Tax ID Number

Post Office Box

E-Mail Address

City State Zip

Telephone Number

Terms of Payment

Fax Number

Delivery Date