



INVITATION TO BID

The Ware County Board of Commissioners is now accepting sealed bids for the purchase of Turn Out Gear and related equipment for the Ware County Fire Department. Ware County has no intention of purposely eliminating any company from bidding. However, there are certain specifications that must be met or exceeded.

The Ware County Board of Commissioners reserves the right to reject any or all bids, with or without cause. Sealed bids will be accepted until Monday, March 7, 2011 and bids will be opened on that date at 10:30 a.m., at the Ware County Commission Office located at 800 Church Street, Suite 223, Waycross, Georgia. No late bids will be accepted. Awarding of the bid will take place at the next regular meeting of the Ware County Board of Commissioners and will be based on the lowest and/ or best bid.

If you have any questions concerning this bid, you may call Elizabeth Hope at (912) 287-4300.

Should your firm be interested in submitting a bid, please fill out the bid specification form, submit the sealed bid, marked on the outer envelope as "Turn Out Gear 2011" and mail or deliver to:

Ware County Commission
Elizabeth Hope
800 Church Street, Suite 223
Waycross, GA 31501

**Ware County Fire Department
Turn Out Gear Specifications
2011**

SCOPE: The purpose of the clothing is to provide protection during structural fire fighting operations where there is a threat of fire or when certain physical hazards are likely to be encountered, such as during non-fire-related rescue operations, emergency medical operations, and victim extrication.

COMPLIANT EXCEPTION

STANDARDS: All garments produced shall meet or exceed the criteria set forth in the current edition of NFPA 1971 PROTECTIVE CLOTHING FOR STRUCTURAL FIRE FIGHTING, FED-OSHA CFR 1910, Subpart L, OSHA 29 CFR Part 1910.1030 and/or the requirements of CAL-OSHA title 8, Article 10.1, Para. 3406.

All components and composites used in the construction of garments shall be third party tested, certified and listed for compliance to NFPA 1971. The label of the third party tester shall denote certification.

COMPLIANT EXCEPTION

The manufacturer shall be registered to the ISO Standard 9001 to assure a satisfactory level of quality.

COMPLIANT EXCEPTION

COMPOSITE PERFORMANCE: The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Thermal Protective Performance (TPP) of not less than 55 when tested in accordance with NFPA 1971 standard.

COMPLIANT EXCEPTION

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Total Heat Loss (THL) of not less than 249 when tested in accordance with NFPA 1971 standard.

COMPLIANT EXCEPTION

The Heat Transfer Index rating shall be a minimum of 25 seconds for the shoulder when measured at 2 psi (pounds per square inch) and a minimum of 25 seconds for the knee when measured at 8 psi.

COMPLIANT EXCEPTION

OUTER SHELL MATERIAL: The outer shell shall be constructed of 7.0 oz./sq. yd. 60% KEVLAR®/40% NOMEX® III ripstop weave with water/stain repellent finish; color shall be tan.

COMPLIANT EXCEPTION

MOISTURE BARRIER MATERIAL: The moisture barrier shall consist of a nonwoven aramid substrate laminated to a lightweight breathable, Gore RT7100™ PTFE, membrane; weighing 4.6 oz./sq. yd..

_____COMPLIANT _____EXCEPTION

THERMAL LINER MATERIAL: The thermal liner shall consist of 3.0+ oz./sq. yd. NOMEX® Chambray face cloth quilted to virgin 50% para-aramid/50% meta aramid batting weighing approximately 3.75 oz./sq. yd. (total weight +/- 6.75 oz./sq. yd.).

_____COMPLIANT _____EXCEPTION

STRESS POINTS: All outer shell stress points, including top and bottom pocket corners, pocket flap corners, top and bottom of storm flap/fly shall be reinforced using a 42 stitch minimum bar tack.

_____COMPLIANT _____EXCEPTION

REFLECTIVE TRIM: All trim shall be sewn with four rows lockstitch 301, minimum (6) stitches/inch for most secure trim attachment.

All trim shall be: 3" Scotchlite™ II(triple trim) of lime/yellow.

Coat trim shall be applied as follows: one 3" strip shall be set full circumference at the bottom sweep of the outer shell; one 3" strip shall be set around each sleeve within 2" above the cuff; one 3" strip shall be set around each sleeve just above the elbow; one 3" strip shall be set full circumference at the chest.

Pant trim shall be applied as follows: one strip set full circumference around the bottom of the cuff approximately 3" from the bottom cuff.

_____COMPLIANT _____EXCEPTION

SIZES: Coats shall be made available in even chest sizes with corresponding sleeve lengths in regular length. Pant sizes shall be made available in even waist sizes with inseam lengths available in regular and long.

_____COMPLIANT _____EXCEPTION

LABELING: Each garment shall have a garment label(s) permanently and conspicuously attached stating at least the following language, as well as detailed warning instructions provided by the manufacturer.

Do Not Remove This Label

THIS STRUCTURAL FIREFIGHTING PROTECTIVE GARMENT MEETS THE GARMENT REQUIREMENTS OF NFPA 1971, 2007 EDITION.

MADE IN THE U.S.A.

_____COMPLIANT _____EXCEPTION

TRACKING LABEL SYSTEM: There shall be a PDF417, two dimensional bar code label permanently affixed to each garment for tracking purposes. The bar code shall contain a minimum of the following information:

- a. unique serial number
- b. item description (brand, model, material color)
- c. lot information (date of mfg., size, etc.)
- d. material description
- e. the standard to which the garment is compliant

The bar code shall be able to withstand customary wash and wear cycles. The PDF417 bar code must incorporate a minimum of a 30% “error correction” capability.

_____COMPLIANT _____EXCEPTION

USER INFORMATION GUIDE: Each garment shall include a *User Information Guide* with information required by NFPA 1971. This guide shall include:

- (a) Pre-use information:
 - Safety considerations.
 - Limitations of use.
 - Garment marking recommendations and restrictions.
 - A statement that most performance properties of the garment cannot be tested by the user in the field.
 - Warranty information.
- (b) Preparation for use:
 - Sizing/adjustment.
 - Recommended storage practices
- (c) Inspection:
 - Inspection frequency and details.
- (d) Don/Doff:
 - Donning and doffing procedures.
 - Sizing and adjustment procedures.
 - Interface issues.

(e) Use:

- Proper use consistent with NFPA 1500, *Standard on Fire Department, Occupational Safety and Health Program*, and 29 CFR 1910, 132.

(f) Maintenance and Cleaning:

- Cleaning instructions and precautions with a statement advising users not to use garments that are not thoroughly cleaned and dried.
- Inspection details.
- Maintenance criteria and methods of repair where applicable.
- Decontamination procedures for both chemical and biological contamination.

(g) Retirement and disposal:

- Retirement and disposal criteria and considerations.

(h) Drag Rescue Device (DRD)

- Use, inspection, maintenance, cleaning and retirement of the DRD.

_____COMPLIANT _____EXCEPTION

WARRANTY: Each garment shall have a limited lifetime warranty against defects in material and workmanship.

_____COMPLIANT _____EXCEPTION

JANESVILLE® JV24™-A COAT

COAT CONSTRUCTION: The coat shall be designed of a 3-panel construction in all layers to provide a proper fit. When measured at the center of the back from the collar seam to the hem bottom, the coat shall measure 32" in length. Sleeves shall be of full length and of shoulder insert, 2-panel type design.

_____COMPLIANT _____EXCEPTION

MOISTURE BARRIER/THERMAL LINER CONSTRUCTION: Design shall be compatible with the outer shell so that the liner does not buckle, pull, or otherwise restrict body motion. The left and right fronts of the moisture barrier/thermal liner shall be attached to the facings at the front closure of the outer shell. The neck of the moisture barrier/thermal liner shall be secured to the neck of the outer shell collar such that when donning the coat an arm may not be accidentally caught between the outer shell and its inner linings along the neck between the armholes. Liner shall have a 2" wide, 2-ply CROSSTECH®/NOMEX® pajama check extension sewn the full length of the neck. FR loop, 3/4" wide, shall be sewn on extension to tuck into pleat in outer shell collar.

The liner shall have one 8.5" x 8.5" internal pocket which shall be made of black outer shell material. The liner pocket shall be located on the left side of coat liner.

Quilt Thermal Liner Construction: The moisture barrier shall be completely sewn to the thermal liner at its perimeter with the breathable membrane oriented inward toward the thermal liner and away from the outer shell. All moisture barrier seams shall be sealed as required by NFPA 1971. The moisture barrier/thermal liner shall finish no more than 1" from the cuffs and 3" from the hem.

_____COMPLIANT _____EXCEPTION

MOISTURE BARRIER/THERMAL LINER ATTACHMENT: The moisture barrier/thermal liner shall be completely detachable from the outer shell for ease of cleaning by the use of hook and loop, zippers, and snaps. There shall be a brass zipper down each front facing, hook and loop along the neck to interface with collar as well as hook and loop and one snap at each sleeve end.

_____COMPLIANT _____EXCEPTION

COLLAR: The collar shall be of three piece contoured 4-layer configuration such that when the collar is raised it shall remain standing while providing continuous thermal and moisture protection around the neck and face. To ensure this protection, the two layers of outer shell collar shall be fully lined with one layer of Gore RT7100™ PTFE moisture barrier material and two layers of 1.5 oz. apertured E-89™ thermal liner. The collar shall provide proper interface with the liner to insure no moisture penetration through the collar seam to inside of coat.

The collar shall be contoured and shall completely cover the neck and throat area when in the raised position. Raised height shall be approximately three inches with a contoured overlap at the front of the coat. Collar closure shall be provided by FR hook and loop 1.5" x 4", with hook portion sewn on right side of collar, and loop portion sewn on left, set horizontal. Collar shall be of such design so as not to interfere with SCBA face masks, nor helmet.

When examined prior to donning, the turned-up collar shall completely wrap around the front of the neck opening such that left and right collars touch or overlap to maximize facial protection.

The three piece contoured 4-layer collar shall be sewn with a pleat on the innermost layer. Pleat shall have 3/4" FR hook sewn on the underside to engage the moisture barrier extension on the liner.

_____COMPLIANT _____EXCEPTION

HANGER LOOP: An external hanger loop constructed of a double layer of outer shell material and reinforced with two 42-stitch bartacks shall be provided on the outside of the coat at the collar seam. It shall be designed to provide long service and shall not tear or separate from the coat when the coat is hung by the hanger loop, loaded evenly with a weight of 80 lbs. and allowed to hang for one minute.

_____COMPLIANT _____EXCEPTION

DRAG RESCUE DEVICE (DRD): The Fire Fighter Recovery Harness™ shall be constructed of a one and one-half inch wide KEVLAR® strap that shall be installed between the outer shell and the thermal liner. This harness shall have a hand loop (16" in circumference) that exits the outer shell through a two inch polymer coated aramid reinforced slot on the back of the coat just below the collar and is held in place by means of a piece of 1.5" x 2" hook on the strap and a piece of 1" x 2" loop attached to the outer shell. This strap is then secured under a 2.25" x 5.25" flap that is sewn in at the neck /collar area. Two pieces of 1" x 2" loop shall be set vertically on shell to align with two pieces of 1" x 2" hook set vertically to the underside of the flap. The harness is also held in proper alignment by means of a 2" x 2" piece of loop placed on the inside of the outer shell just above the chest trim that corresponds to a piece of 1.5"x 2" hook located on the harness. Two 1" x 3.5" self-fabric straps with 1" x 2" hook on one end and 1" x 2" loop on other end shall be set inside the coat in the shoulder cap area to keep straps in proper position for use. Fire Fighter Recovery Harness™ provides mechanical leverage for dragging a downed and incapacitated structural firefighter from a life-threatening environment. The design of the harness enables the rescuer to drag the downed firefighter in line with the axis of the firefighter's skeletal frame, in order to decrease the risk of further injury.

_____COMPLIANT _____EXCEPTION

THERMAL REINFORCED YOKE: A layer of Semper Dri™ (3.0 oz./sq. yd. Teflon® treated Chambray (NOMEX® spun) face cloth quilted to one layer E-89™ spunlace aramid 85%NOMEX®/15% KEVLAR® weighing approximately 2.3 oz./sq. yd. with a Teflon® finish and one layer of apertured (11-13 apertures/sq. inch) E-89™ spunlace aramid 85% NOMEX®/15% KEVLAR® weighing approximately 1.5 oz./sq. yd. with a Teflon® finish. (Total weight +/- 6.8 oz./sq. yd.)). shall be positioned between the moisture barrier and thermal liner for extra thermal protection in a high heat and compression area of the coat. It shall be sewn to the inside of the upper back portion of the thermal liner across the upper back from the back shoulder and collar seams 7" down, over the tops of shoulders and down the front approximately 4" ending at the armhole.

_____COMPLIANT _____EXCEPTION

SHOULDER CAPS: A 4" wide area at the top of the shoulders extending 6" from the collar seam shall be capped with an additional layer of outer shell material for abrasion resistance and thermal protection.

_____COMPLIANT _____EXCEPTION

BELLOWS UNDERARMS: Bellows underarm construction shall be used in all layers of the coat-outer shell/moisture barrier/thermal liner-ensuring maximum upper body freedom of movement including complete arm mobility when reaching up and/or forward. Bellows construction shall extend to all inner layers of the coat making it possible for the fit and freedom of movement, derived from the outer shell bellows construction, to be passed through the inner layers to the wearer's body.

The outer shell/moisture barrier/thermal liner bellows shoulder construction shall consist of an underarm and shoulder bellows of elongated football shape not less than 8" wide by not less than 15" long sewn into each of the coats fabric layers by two-needle construction. The bellows in each layer shall begin at a point corresponding to the front of the armpit, wrap around under the arm and shoulder joint, and terminate at the rear top of the shoulder.

_____COMPLIANT _____EXCEPTION

FREEDOM ELBOW: The sleeve shall have an insert throughout all layers that shall provide a natural bend in the sleeve. This insert shall be set in the back of each sleeve and shall be a shortened football shape, 6" wide in the middle and 3" wide at the seams. The insert shall consist of outer shell material for abrasion resistance and thermal protection.

_____COMPLIANT _____EXCEPTION

SLEEVE WELL/WRISTLET MOUNTING: : A combination Semper Dri™ (3.0 oz./sq. yd. Teflon® treated Chambray (NOMEX® spun) face cloth quilted to one layer E-89™ spunlace aramid 85%NOMEX®/15% KEVLAR® weighing approximately 1.5 oz./sq. yd. with a Teflon® finish and one layer of apertured (11-13 apertures/sq. inch) E-89™ spunlace aramid 85% NOMEX®/15% KEVLAR® weighing approximately 1.5 oz./sq. yd. with a Teflon® finish. (Total weight +/- 6.5 oz./sq. yd)). One layer of breathable CROSSTECH® (Type 2C) moisture barrier leader shall be sewn no more than 1" back from the combination liner sleeve end to form a sleeve well. One male snap and one .75"wide strip of FR loop shall be sewn full circumference to the end of the thermal liner/CROSSTECH® (Type 2C) moisture barrier leader to help secure the combination liner to the outer shell. This sleeve well shall prevent water and hazardous materials from entering the sleeve when arms are in a raised position.

The combination liner sleeve ends shall be inserted into the outer shell sleeve ends by means of lining up the male snap then attaching the FR loop fastener of the combination liner sleeve end with the female snap and FR hook fastener of the outer shell sleeve cuff. This method of combination liner attachment shall prevent any gaps from occurring between the combination liner and sleeve well during a full range of motion. The combination liner shall extend to within one inch of the sleeve end.

_____COMPLIANT _____EXCEPTION

WRISTLETS: An internal wristlet shall consist of a 2-ply KEVLAR® Spandex knit not less than 8” in length and shall be completely over the palm with a thumbhole to prevent the wristlets from sliding back. Wristlets shall be double stitched and bound to the moisture barrier/thermal liner providing extended thermal and slash protection.

_____COMPLIANT _____EXCEPTION

CUFFS: The cuff of the sleeve shall be reinforced with a binding of outer shell material not less than 3" in total width for abrasion resistance and thermal protection. At least 2" of the cuff reinforcement shall extend down the interior of the outer shell sleeve with a .75" wide strip of FR hook sewn full circumference to the topside of the cuff reinforcement. For added safety, one female snap fastener shall be set in the hook fastener to assist in attaching outer shell to moisture barrier/thermal liner.

_____COMPLIANT _____EXCEPTION

THERMAL FRONT PANEL CONSTRUCTION: There shall be continuous thermal and moisture protection around the entire torso including the storm flap. To ensure this protection, as well as reduce potential for wicking moisture to inside of liner, both right and left inside front facings of the coat outer shell shall incorporate outer shell fabric and Gore RT7100™ PTFE moisture barrier, extending from collar to hem

_____COMPLIANT _____EXCEPTION

COAT FRONT CLOSURE DESIGN: The complete outer shell coat front closure design shall consist of a FRONT CLOSURE SYSTEM completely protected by an OUTSIDE STORM FLAP which shall have its own, independent STORM FLAP CLOSURE SYSTEM.

_____COMPLIANT _____EXCEPTION

STORM FLAP: A storm flap measuring not less than 3" wide, nor less than 22" in length shall be set on the outside of the right side of the coat opening for maximum thermal protection and clear drainage. The inner lining of the storm flap shall be Gore RT7100™ PTFE moisture barrier meeting all requirements for moisture barriers sandwiched between two layers of outer shell fabric.

_____COMPLIANT _____EXCEPTION

FRONT/STORM FLAP CLOSURES: The front closure shall consist of a #9 brass zipper such that fast closure and exit is possible yet the coat remains securely closed while working. The storm flap closure shall consist of 1.5" wide FR hook and loop attachments with FR hook fastener sewn on the left front of the coat, and corresponding FR loop fastener sewn on the inner side of the outer storm flap. The hook and loop closure shall extend the full length of the outer storm flap eliminating all exposed frontal hardware.

_____COMPLIANT _____EXCEPTION

HANDWARMER POCKETS: There shall be 9” wide x 9” high combination semi-bellow and handwarmer pockets that expand by means of side and bottom gussets to a thickness of 2” in back only and 0" in front. These pockets shall be set at the bottom of the coat hem and three inch lime/yellow Scotchlite II reflective trim sewn with four rows of double needle lockstitch shall be extended across the bottom of each pocket aligning with the trim at

the coat hem. There shall be a 6" opening on the rear side of the bellow of the pocket. Each pocket shall be lined inside with Semper Dri™ (3.0 oz./sq. yd. Teflon® treated Chambray (NOMEX® spun) face cloth quilted to one layer E-89™ spunlace aramid 85%NOMEX®/15% KEVLAR® weighing approximately 1.5 oz./sq. yd. with a Teflon® finish and one layer of apertured (11-13 apertures/sq. inch) E-89™ spunlace aramid 85% NOMEX®/15% KEVLAR® weighing approximately 1.5 oz./sq. yd. with a Teflon® finish. (Total weight +/- 6.5 oz./sq. yd)). and have a KEVLAR® twill backer. Pockets and flaps shall be set with stitch 301, seam Ssb-2 with each corner of pocket opening and top corners of flap reinforced with bar tacks for additional strength. Brass eyelets shall provide drainage of moisture. Each pocket flap shall measure 10" wide by 3" high in front and 5" high in rear. Each flap shall incorporate a 1" by 2" polymer coated aramid pull-tab for easy opening. The corner under this tab shall be reinforced with two layers of Lite-N-Dri for stability. A hook and loop closure system shall be set with two pieces of 1.5" x 3" loop fastener set horizontally on the outside edge of the pocket opening with corresponding two pieces of 1.5" x 3" hook fastener set vertically on the underside of the flap.

_____COMPLIANT _____EXCEPTION

RADIO POCKET: One 3.5" wide x 9" deep full bellows radio pocket that expands by means of side and front gussets to a thickness of 2" in front and back shall be located on the left chest. Pocket and flap shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with a minimum 42-stitch bar tack. A brass eyelet shall provide drainage of moisture. Pocket flap shall be 4.5"x 5". Pocket shall be fully lined all 3 sides inside pocket with polycotton lining. Pocket flap shall close to the pocket top using 1 piece of 1"x 2" loop on pocket horizontally and 1 piece of 1"x 2" hook on flap vertically. Three inch lime/yellow Scotchlite II (triple trim) sewn with four rows double needle lockstitch shall be extended across bottom of pocket aligning with the chest trim.

_____COMPLIANT _____EXCEPTION

MIC TAB: 1" X 3" triple-layer self -fabric mic tab attached with bar tacks on each side; Bar tacks shall be a minimum 42-stitch bar tack. There shall be (1) located above the radio pocket on the left chest.

_____COMPLIANT _____EXCEPTION

FLASHLIGHT STRAP: 1" X 3" triple-layer self -fabric flashlight tab attached with bar tacks on each side; bar tacks shall be a minimum 42-stitch bar tack. Strap shall be placed to right chest as the same height and placement as the mic strap is to left chest.

_____COMPLIANT _____EXCEPTION

PANT CONSTRUCTION: The pant shall be a low-rise waist pant of 4-piece construction for best proportional fit and greater mobility. There has been extra room added in the seat area to assure proper fit and insure maximum mobility without restriction.

_____COMPLIANT _____EXCEPTION

MOISTURE BARRIER/THERMAL LINER CONSTRUCTION: Design shall be compatible with the outer shell so that the liner does not buckle, pull, or otherwise restrict body motion. To deter the wicking of moisture up the thermal liner leg the bottom nine inches of each thermal leg shall be constructed of Semper Dri™ (3.0 oz./sq. yd. Teflon® treated Chambray (NOMEX® spun) face cloth quilted to one layer E-89™ spunlace aramid 85%NOMEX®/15% KEVLAR® weighing approximately 1.5 oz./sq. yd. with a Teflon® finish and one layer of apertured (11-13 apertures/sq. inch) E-89™ spunlace aramid 85% NOMEX®/15% KEVLAR® weighing approximately 1.5 oz./sq. yd. with a Teflon® finish. (Total weight +/- 6.5 oz./sq. yd)). The waist of the moisture barrier/thermal liner shall be secured to the waist of the outer shell such that when donning the pant a leg may not be accidentally caught between the outer shell and its inner linings along the waist and between the legs of the pant. For added thermal protection in the knee, an additional layer of 1/8" thick, fire retardant closed-cell foam shall be positioned between the moisture barrier and thermal liner.

Quilt Thermal Liner Construction: The moisture barrier shall be completely sewn to the thermal liner at its perimeter with the breathable membrane oriented inward toward the thermal liner and away from the outer shell. The moisture barrier/thermal liner shall finish no more than 3" from the cuffs.

_____COMPLIANT _____EXCEPTION

MOISTURE BARRIER/THERMAL LINER ATTACHMENT: The moisture barrier/thermal liner shall be completely detachable from the outer shell for ease of cleaning by using snaps. Eight evenly spaced snaps shall secure the liner to the inner waistband; two snaps shall be set in leather leg tabs at each leg end.

_____COMPLIANT _____EXCEPTION

STORM FLY/CLOSURE: The outer shell shall have an overlapping fly front running the full length of the fly on the left side. The flap shall not be less than 2.5" wide at the waistband. The bottom of the fly shall be reinforced with one 42-stitch bartack.

Pant closure shall be provided by #9 brass zipper. The storm fly shall be held closed along its length by means of a hook and loop fastener closure 1.5" minimum width, along the leading edge for a distance of not less than 6" from the bottom of the fly closure to the waist area for proper alignment and secure closure. Additionally, one snap shall be positioned at the inside top of the fly.

The storm fly shall be outer shell material, lined with a 3.5" strip of CROSSTECH® (Type 2C) moisture barrier material to prevent wicking.

_____COMPLIANT _____EXCEPTION

THERMAL FLY ASSEMBLY: The moisture barrier/thermal liner shall be constructed with an extension on the left side at the waist of all layers of the fly opening to assure continuous thermal and moisture protection. This overlap shall be positioned between the layers of the outside storm fly. A 3/4" wide x 7" long hook fastener shall be sewn to the moisture barrier/thermal liner to engage corresponding loop fastener on the underside of the outside storm fly.

_____COMPLIANT _____EXCEPTION

WAISTBAND: The waist of the pants shall be reinforced on the inside with two-ply of outer shell material not less than 1.5" in width. The pant waist shall be turned under to provide double material strength with the independent waistband, which shall then be double-stitched to the outer shell.

Eight suspender buttons shall be appropriately spaced around the waistband to accommodate the use of suspenders.

_____COMPLIANT _____EXCEPTION

EXTERNAL TAKE-UPS: One adjustment device shall be affixed to the outside on each side of the pant. Each take-up strap shall be comprised of two sub-component straps. The front strap shall be 1" wide x 5" in length, folded in half to form a loop, and shall be affixed to the side of the pant by means of two bar tacks spaced 2" apart. The loop shall face toward the back and hold a nickel plated 1" metal loop. The back strap shall be 1" wide x 9" in length of double layered outer shell material, and shall be affixed to the rear of the back of front body panels by means of three bar tacks, and shall be positioned to allow the loose end to thread through the metal loop. The metal loop shall allow for adjustment and shall firmly hold the take-up strap in the desired position. Hook and loop attachments shall be used to secure the loose end of each take-up strap to its respective component. 1" x 4.5" loop fastener shall be set horizontally on each back take-up strap. 1" x 3" hook fastener shall set at the end of the take-up strap and shall be positioned to engage the corresponding loop fastener.

_____COMPLIANT _____EXCEPTION

KNEE REINFORCEMENT: Two 10" x 12" knee patches consisting of outer shell material shall be set one on each knee for increased durability and cushioning.

_____COMPLIANT _____EXCEPTION

CUFFS: The cuff area of the pant shall be reinforced with a binding of outer shell material not less than 2" in total width for greater strength, abrasion resistance, and thermal protection.

_____COMPLIANT _____EXCEPTION

FULL BELLOWS POCKETS: One 10" wide x 10" deep outside full bellows pocket that expands by means of side and bottom gussets to a thickness of 2" in front and back shall be located on each thigh. Each pocket shall be fully lined three sides with KEVLAR® twill. The pocket and flap shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with bar tacks for additional strength. Brass

eyelets shall provide drainage of moisture. Pocket flaps shall be 11" x 5". A hook and loop fastener closure system shall be set with 1.5" x 10" loop fastener horizontally on the pocket and two pieces of 1.5" x 2.75" hook fastener set vertically on the underside of the flap.

_____COMPLIANT _____EXCEPTION

SCOPE

A highly engineered *42" black suspender designed for greater range of mobility and reduced stress allowing for eight points of attachment to a traditional or contoured waist bunker pant with traditional suspender buttons.

_____COMPLIANT _____EXCEPTION

DESIGN

Two **8" front pull straps** shall be constructed as follows: 2" wide non-elastic polyester webbing shall be fed through 2" metal loops and secured with a two-needle lock-stitch at one end. A black military finish **steel double dee ring** shall be fed through the webbing. The other end of the webbing shall be fed through a 2" wide thermo-plastic dee ring and secured with a two-needle lock-stitch. The dee ring shall function as a pull strap for easily adjusting the suspenders for proper fit.

_____COMPLIANT _____EXCEPTION

Two ****18" shoulder straps** shall be constructed as follows: 2" wide non-elastic polyester webbing shall be fed through the top half of the **steel double dee ring** and secured with a two-needle lock-stitch. Two *****7" back straps** made of 2" wide elastic webbing shall be joined with a 2" overlap at the end of each shoulder strap with a single-needle lock stitch. The end of each back strap shall be fed through a 2" metal loop and secured with a two-needle lock stitch.

_____COMPLIANT _____EXCEPTION

One **2 1/2" horizontal back strap** made of 2" wide elastic webbing shall be set perpendicular between the two shoulder straps and back straps at the point of overlap, secured with a single-needle lock-stitch, and reinforced with a two-needle lock-stitch "X" through the joining straps.

_____COMPLIANT _____EXCEPTION

Four pieces of 2" wide elastic webbing shall feed through the 2" metal loops at each end of the front and back straps and be secured to 2" buttonhole peerless loops constructed of .080 diameter wire with a zinc plate finish. This will allow for eight points of attachment. Each piece of webbing shall be long enough so that when fed through the 2" metal loop and folded over, shall measure at least ******2"** long on each side. Each peerless loop shall be configured such that they easily rotate around a suspender button to allow for freedom of motion

_____COMPLIANT _____EXCEPTION

SHOULDER PADS

Each shoulder strap shall be encapsulated with a 2.25" wide x 13" long sheath of padding constructed of 1/8" thick fire-retardant closed-cell foam laminated to Nomex pajama check substrate. Shoulder pads shall start 1" up from the cross point of the horizontal back strap ("H" cross) and be bartacked at each end so they do not slide forward. Each shoulder pad shall have an embroidered Lion Head Logo.

_____COMPLIANT _____EXCEPTION

LIFETIME WARRANTY

All products shall be warranted against defects in materials and workmanship for the useful life of the product.

_____COMPLIANT _____EXCEPTION

Changes to provide 34", 36" & 48" lengths

SB334 (34" length) *34" black, ** Two 16" shoulder straps, ***Two 4" back straps, ****1 1/2" long

SB336 (36" length) *36" black, ** Two 16" shoulder straps, ***Two 5" back straps, ****2" long

SB348 (48" length) *48" black, **Two 18" shoulder straps, ***Two 9" back straps, ****4" long

_____COMPLIANT _____EXCEPTION

The Vendor is responsible for the correct sizing of each order. Sizing will be done using actual turnout sizing gear to improve accuracy. The Vendor will be responsible for all sizing at the Fire Department's requested location.

_____COMPLIANT _____EXCEPTION

Bid as separate line item

NFPA Approved Cairns 664 Firefighting Helmet. _____

NFPA Approved Ranger Model 3104 Firefighting boot standard fit or equivalent to. _____

NFPA Approved Nomex Hood Notched Fit. _____

NFPA Approved Structural Firefighting Gloves with Gauntlet. _____

All bid prices are to be F.O.B., Ware County Fire Department Station 1, and shall be firm for a one year period unless otherwise stated by the vendor.

_____COMPLIANT _____EXCEPTION

Ware County prefers to make a single award for all of the items listed. However, separate awards maybe made by group or by line item if it appears to be in the best interest of the County to do so.

_____COMPLIANT _____EXCEPTION

Vendor shall indicate “compliant or exception” with each specification stated. Failure to do so may result in bid being deemed non-responsive and rejected. Any “exceptions” to the specifications shall be clearly stated in writing and included with their bid .It is the vendor’s responsibility to prove alternate products recommended are equal or exceeds the quality level of product(s) specified.

_____COMPLIANT _____EXCEPTION

Bid price for approximately 30 sets _____

STATEMENT OF NO BID

We, the undersigned, have declined to bid

- _____ Specifications too “tight”, i.e., geared toward one brand or manufacturer only
- _____ Insufficient time to respond to the Invitation to Bid.
- _____ We do not offer this product or services
- _____ Unable to meet specifications
- _____ Unable to meet Bond requirements
- _____ Specifications unclear (explain how)
- _____ Unable to meet Insurance requirements
- _____ Remove us from your Vendor’s List altogether
- _____ Other (specify below)

Remark:

Company Name: _____
Signature: _____
Telephone: _____
Date: _____

ADDITIONAL INFORMATION

Is any owner or officer of the bidder an employee of Ware County or related as close as third cousin to a Ware County Commissioner or other elected official?

YES _____ NO _____

Local Vendors submitting a bid from Waycross and Ware County MUST have valid City and/or County business license.

Local Vendor: YES _____ NO _____

City License #: _____

County License #: _____

Date of Issue: _____

Any bid not containing this information will NOT be considered