

REQUEST FOR BID

PRODUCT – TURNOUT GEAR

Bid Submission Deadline: July 13th, 2020 – 1800hrs

Bid Opening: *July 13th, 2020 @ 1800hrs*

Oswego Fire Protection District
3511 Wooley Road
Oswego, Illinois

BOARD OF TRUSTEES

Richard Kuhn, President
Ken Holmstrom, Treasurer
Robert Tripp, Trustee
Roger Long, Trustee
Jason Bragg, Trustee

June 2020



LEGAL NOTICE

NOTICE is hereby given that the Oswego Fire Protection District is accepting sealed bids for the purchase of TURNOUT GEAR. Specifications may be obtained at Central Station #1, 3511 Wooley Road, Oswego, IL 60543. For further information, contact Deputy Chief Joshua Flanders at (630)554-2110.

Sealed Bids will be accepted at Oswego Fire Station #1 until 1800hrs on July 13th 2020, at which time bids will be publicly opened. The Oswego Fire Protection District reserves the right to reject any or all bids received, to waive any formalities or technicalities of the Bid or to reject any non-responsive bid in the interest of the Oswego Fire Protection District.

June 17, 2020

RE: TURNOUT GEAR
BID OPENING: July 13th, 2020

Dear Bidder:

Enclosed you will find information relating the Oswego Fire Protection District's intention to contract for Turnout Gear.

The materials enclosed are as follows:

1. Advertisement for Bids
2. General Conditions for All Bids
3. Terms and Conditions
4. Bid Specifications
5. Label for Sealed Bid Envelope

Please return your signed Bid Form, Addendum, Contractor's Certification of Eligibility and List of Subcontractors and Suppliers in an opaque, sealed envelope, showing the Product name, Date and Time of Opening in the lower left-hand corner of the envelope. A label has been enclosed for your convenience. These forms must be filled out, signed, and returned in a sealed envelope, or your bid will not be considered.

If you have any questions regarding this bid, please contact Deputy Chief Joshua Flanders.

Sincerely,

Joshua Flanders
Deputy Chief

Oswego Fire Protection District Gear Specifications

Coat

- Crosstech Black Moisture Barrier
- Glide Ice 2-layer Thermal Liner
- NYC L/Y 3M Scotchlite Series 5600 Comfort Trim Package
- "OSWEGO" in 3" L/Y Scotchlite Letters on Upper Back
- Hanging letter patch on bottom of hem with firefighter name in 3" L/Y Letters
- Contoured Sleeves w/ 8" Hand & Wrist Guards
- Neoprene 5" Waterwell w/ Cuff Adjusters
- Contoured Two Piece Collar
- 2x8x8 Expansion Pockets w/ Fleece Handwarmers Lined w/ Kelvar
- Inside Liner Pocket
- Thermal Enhance Upper Body, Shoulders, & Elbows
- Zipper In/Velcro Out Closure System
- Self Mic Strap Above Radio Pocket
- Survivor Flashlight Holder on Right Chest
- 2x3.5x8 Radio Pocket on Left Chest
- Embroidered US Flag on Right Sleeve
- Black Rectangle Letter Patch 4x5 Velcro on Left Sleeve Embroidered
- 1x4 ID Self Patch Sewn on radio Pocket flap
- Axtion Back Expansion System
- Underarm Pleats
- Free Hanging Throat Tab
- Yocco Drag Rescue Device
- Trim Trax Thread Protection
- Large Inspection Port
- Black Dragon Hide Cuff Reinforcements
- Limited Lifetime Warranty Stitching & Hardware
- 5 Year Support Program on Velcro
- Tapered or Straight Cut Coat
- Option for +2" length

Trouser

- Glide Ice 2-layer Thermal Liner
- Crosstech Black Moisture Barrier
- NYC L/Y 3M Scotchlite Series 5600 Comfort Trim Package
- Series 1 Harness Closure
- Independent Waistband
- Large Inspection Port
- 2x10x10 Expansion Pockets Lined w/ Kevlar
- Vertical Fly w/ Velcro
- Thermal Enhanced Knees
- Diamond Crotch Gusset

- Axtion Knee Pleat System
- Black Dragon Hide Knee Reinforcements
- Silizone Knee Padding
- Axtion Seat Expansion System
- 1x4 ID sewn patch on left pocket flap centered
- Rotated Leg Seams
- Trim Trax Thread Protection
- Reverse Boot Cut
- Black Dragon Hide Cuff Reinforcements
- Padded H-Back Ripcord Suspenders
- Limited Lifetime Warranty Stitching & Hardware
- 5 Year Support Program on Velcro
- Relaxed or Regular Cut Pant

**GENERAL SPECIFICATIONS
PROTECTIVE JACKET
FOR STRUCTURAL FIRE FIGHTING**

OSWEGO FPD

SCOPE

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 and OSHA for structural fire fighters protective clothing.

_____Comply _____Exception

SIZING

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

Pants:

Gender:	Gender specific Mens and Womens patterns
Waist:	Even sizes
Body Shape:	Men's: Relaxed and Regular Note: Relaxed is a fuller cut in the hips and thighs, like relaxed jeans. Women's: Relaxed
Inseam:	Even sizes

Jackets:

Gender:	Gender specific Mens and Womens patterns will be available.
Chest:	Even sizes
Back Length:	Mens 29", 32", 35", 40" Womens 26", 29"
Body Shape:	Men's: Straight and Tapered Note: The straight cut offers more fullness at the hips (i.e. jacket sweep) and is recommended when an IH Ready trouser is being specified. Women's: Straight
Sleeve:	1" increments

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

_____Comply _____Exception

OUTER SHELL MATERIAL - JACKETS AND PANTS

The "PBI GEMINI® XT MATRIX™" outer shell, trade name Gemini XT shall be manufactured by TENCATE and constructed of 60/40 Kevlar®/PBI™ modified plain weave outer shell fabric featuring a patented high tech grid of composite filament & spun yarns in a "Matrix Technology" with an approximate weight of 7.5 oz. per square yard. 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 black. **Bids offering a 600 denier Matrix product and/or the Matrix shell without the SST™ will not be considered.**

_____Comply _____Exception

THERMAL INSULATING LINER - JACKET AND PANTS

The thermal liner shall be constructed of 7.4 oz. per square yard Safety Components **GLIDE™ ICE 2L-E89**; one layer of 1.5 oz. and one layer of 2.3 oz. per square yard E-89™ spunlaced Nomex®/Kevlar® aramid blend, quilt stitched to a 60% Nomex® Filament/40% Nomex®/Lenzing spun yarn Face Cloth. An approximate 8 inch by 10 ½ inch pocket, constructed of thermal liner over-edged to a layer of moisture barrier material, shall be affixed to the inside of the jacket thermal liner on the left side by means of a single needle 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.

_____Comply _____Exception

MOISTURE BARRIER - JACKETS AND PANTS

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.

_____Comply _____Exception

SEALED MOISTURE BARRIER SEAMS

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.

_____Comply _____Exception

METHOD OF THERMAL LINER/MOISTURE BARRIER ATTACHMENT FOR JACKETS AND PANTS

The thermal liner and moisture barrier shall be completely removable from the jacket shell. A total of six snap fasteners shall secure the thermal liner/moisture barrier to the outer shell along the length of the neck line under the top most collar. The top most collar shall be turned under and finished such that the snaps on the collar will not be able to contact the wearers skin. Corresponding snaps shall be installed through a moisture barrier leader measuring an approximate height of 1.75 – 2 inches and shall not penetrate through to the outer shell on the backside of the collar. 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. There shall be one Ara-shield® snap tabs at the liner sleeve end which shall be colored to correspond with color coded snap tabs on the shell sleeve end 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, 2 per leg. The

Ara-shield® snap tabs on the shell shall be color coded to corresponding color coded snap tabs in the liner for ease of matching the liner system to the outer shell after inspection or cleaning is completed. There shall be no hook and loop used to close the liner access opening.

_____ Comply _____ Exception

THERMAL PROTECTIVE PERFORMANCE

The assembled garment, consisting of an outer shell, moisture barrier and thermal liner, shall exhibit a TPP (Thermal Protective Performance) rating of not less than 35.

_____ Comply _____ Exception

STITCHING

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. Major A outer shell structural seams and major B structural liner seams, shall have a minimum of 8 to 10 stitches per inch. All major A seams shall be sewn with ball point needles only. All seams shall be continuously stitched only.

_____ Comply _____ Exception

JACKET CONSTRUCTION

BODY

The body of the shell and AXTION® 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. One-piece outer shells shall not be acceptable.

_____ Comply _____ Exception

AXTION® BACK

The jacket outer shell shall include inverted pleats to afford enhanced mobility and freedom of movement in addition to that provided by the AXTION® sleeves. The outer shell shall have two inverted pleats (one each side) installed on either side of the back body panel. The inverted pleats shall begin at the top of each shoulder and extend vertically down the sides of the jacket to the hem. Maximum expansion of the pleats shall occur at the shoulder area and taper toward the hem. Pleats that do not extend to the hem will not be considered, since they do not provide a true AXTION® back.

The moisture barrier and thermal liner layers shall be designed with darts corresponding to the added length in the shell provided by the AXTION® back pleats. The darts are positioned at the shoulder blades, outside of the SCBA straps and work together with the corresponding outer shell pleats in the AXTION® back, providing maximum expansion. The moisture barrier darts will be seam sealed to assure liquid resistance integrity.

_____ Comply _____ Exception

LOGOS

The garment brand shall be identified by means of red FR Nomex® thread embroidery on the top of the left collar denoting "GLOBE" as 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.

_____ Comply _____ Exception

DRAG RESCUE DEVICE (DRD)

A Firefighter Drag Rescue Device (DRD) 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 an FR strap. The DRD shall be removable for laundering. 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.

_____ Comply _____ Exception

LINER ACCESS OPENING (JACKET)

The liner system of the jacket shall incorporate an opening at each of the leading edges of the left and right front panels. This opening shall run a minimum of 12 inches along the perimeters for the purpose of inspecting the integrity of the jacket liner system. When installed into the outer shell the Liner Access Opening will be covered and protected by the overlap of the outer shell facing.

_____ Comply _____ Exception

RETROREFLECTIVE FLUORESCENT TRIM

The retroreflective fluorescent trim shall be lime/yellow 3M Scotchlite™ Series 5600 Comfort Triple Trim (L/Y borders with silver center).

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

The trim shall be in the following widths and shall be **NYC style**; 3 inch wide stripes - around the bottom of the jacket within approximately 1 inch of the hem, around the back and chest area approximately 3 inches below the armpit, around each sleeve below the elbow, around each sleeve above the elbow.

_____ Comply _____ Exception

REINFORCED TRIM STITCHING

All reflective trim is secured to the outer shell with Nomex® thread, using a locking chainstitch protected by our exclusive TrimTrax® system. Developed exclusively by Globe Manufacturing Co., LLC. this strip of 3/32-inch strong, durable, flame resistant black Kevlar® cording provides a bed for the stitching along each edge of the retroreflective fluorescent trim surface and affords extra protection for the thread from abrasion. TrimTrax® 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 TrimTrax® 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.

_____ Comply _____ Exception

SEWN ON RETROREFLECTIVE LETTERING

Each jacket shall have 3" lime/yellow 3M Scotchlite™ lettering on Row B reading: OSWEGO

_____ Comply _____ Exception

LETTER PATCHES

The hanging letter patch shall be constructed of a double layer of outer shell material. The letter patch will attach to the rear inside hem of the jacket with a combination of snap fasteners and FR hook & loop fastener tape.

There shall be a black rectangle letter patch 4x5 Velcro attachment to the left sleeve.

_____ Comply _____ Exception

COLLAR & FREE HANGING THROAT TAB

The collar shall consist of a minimum four-layer construction and be of one-piece design. There shall be two layers of specified moisture barrier material sandwiched in between two layers of outer shell fabric (see Moisture Barrier section). The forward inside ply of moisture barrier shall be sewn to the inside of the collar along the edges only. The multi-layered configuration shall provide protection from water and other hazardous elements, while maintaining thermal protection. The collar shall be a minimum of 3 inches high and graded to chest 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 back layers of outer shell and moisture barrier shall be joined to the body panels with a minimum of two rows of stitching. The collar front layers of outer shell and moisture barrier fabric shall have a series of 6 snap fasteners spaced equidistant to minimize gaps on lower edge of the collar. The top most collar shall be turned under and finished such that the snaps on the collar will not be able to contact the wearer's skin. There shall be 6 corresponding snap fasteners on a moisture barrier leader, which is sewn to the thermal liner system to engage the snaps on the collar. The snaps on the thermal liner system leader will be installed such that they do not penetrate from the outer shell through to the inner layers. This moisture barrier leader on the thermal liner system shall be sandwiched between the underside of the top collar shell fabric and moisture barrier material and the bottom collar shell fabric and moisture barrier material so as to reduce the possibility of liner detachment while donning and doffing.

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 3 inches wide at the center tapering to 2 inches at each end with a total length of approximately 9 inches. The throat tab will be attached to the right side of the collar by a 1 inch wide by 1 inch long piece of Nomex® twill webbing. The throat tab shall be secured in the closed and stowed position with FR hook and loop fastener tape. The FR hook and loop fastener tape shall be oriented to prevent exposure to the environment when the throat tab is in the closed position. Two 1½ inch by 3 inch pieces of FR loop fastener tape shall be sewn vertically to the inside of each end of the throat tab. Corresponding pieces of FR hook fastener tape measuring 1 inch by 3 inches shall be sewn horizontally to the leading outside edge of the collar on each side, for attachment and adjustment when in the closed position and wearing a breathing apparatus mask. In order to provide a means of storage for the throat tab when not in use, a 1 inch by 3 inch piece of FR hook fastener tape shall be sewn horizontally to the inside of the throat tab immediately under the 1½ inch by 3 inch pieces of FR loop fastener tape. The collar closure strap shall fold in half for storage with the FR loop fastener tape

engaging the FR hook fastener tape.

A hanger loop constructed of a double layer of outer shell material shall be sewn to the top of the collar at the center.

_____Comply _____Exception

JACKET FRONT

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 2½ 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 wicking barrier shall extend no more than a maximum of ¾” beyond the inner facing and false facing shall be unacceptable. The thermal liner and moisture barrier assembly shall be attached to the jacket facings by means of snap fasteners.

_____Comply _____Exception

STORM FLAP

A rectangular storm flap measuring approximately 3 inches (6 inches for hook and dee inside/FR hook and loop fastener tape 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.

_____Comply _____Exception

STORM FLAP AND JACKET FRONT CLOSURE SYSTEM

The jacket shall be closed by means of a 22 inch size #10 heavy duty high-temp smooth-gliding YKK Vislon® zipper on the jacket fronts and FR hook and loop fastener tape on the storm flap. The teeth of the zipper shall be mounted on black Nomex® tape and shall be sewn into the respective jacket fronts. The storm flap shall close over the left and right jacket body panels and shall be secured with FR hook and loop fastener tape. A 1½ inch piece of FR loop fastener tape shall be installed along the leading edge of the storm flap on the underside with four rows of stitching. A corresponding 1½ inch piece of FR hook fastener tape shall be sewn with four rows of stitching to the front body panel and positioned to engage the loop fastener tape when the storm flap is closed over the front of the jacket.

_____Comply _____Exception

CARGO/HANDWARMER EXPANSION (BELLOWS) POCKETS

Each jacket front body panel shall have a 2 inch deep by 8 inch wide by 8 inch high expansion pocket, double stitched to it 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. *The expansion pocket shall be reinforced with a layer of Kevlar® approximately 5 inches up on the inside of the pocket.* 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 upper pocket corners shall be reinforced with proven bartacks and pocket flaps shall be reinforced with bartacks. The pocket flaps shall be closed by means of FR hook and loop fastener tape. Two pieces of 1 ½ inch by 3 inch FR hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end). Two corresponding pieces of 1 ½ inch by 3 inch FR 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.

Additionally, a separate hand warmer pocket compartment will be provided under the expandable cargo pocket. This compartment will be accessed from the rear of the pocket and shall be lined with Nomex® Fleece for warmth and comfort. Shell material linings shall not be considered acceptable.

(32" or shorter length) Retroreflective trim shall run over the bottom of the pockets so as not to interrupt the trim stripe.

26" length jacket – standard size pockets are not available, expansion pockets are available in either 2 inch deep by 10 inch wide by 6 inch high or 2 inch deep by 8 inch wide by 6 inch high

_____Comply _____Exception

AXTION® SLEEVES

The sleeves shall be of two piece construction and contoured, having an upper and a lower sleeve. Both the under and upper sleeve shall be graded in proportion to the chest size. For unrestricted movement, on the underside of each sleeve there shall be two outward facing pleats located on the front and back portion of the sleeve on the shell and thermal liner. On the moisture barrier, the system will consist of two darts, rather than pleats, to allow added length in the under sleeve. The moisture barrier darts will be seam sealed to assure liquid resistance integrity.

The pleats shall expand in response to upper arm movement and shall fold in on themselves when the arms are at rest. This expansion shall allow for greater multi-directional mobility and flexibility in the shoulder and arm areas, with little restriction or jacket rise. Neither stove-pipe nor raglan-style sleeve designs will be considered acceptable.

_____Comply _____Exception

SLEEVE CUFF REINFORCEMENTS

The sleeve cuffs shall be reinforced with a layer of black Dragonhide® 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.

_____Comply _____Exception

WRISTLETS / ELASTICIZED ADJUSTABLE SLEEVE WELLS

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.

The wristlets shall be sewn to the end of the liner sleeves. Flame resistant neoprene coated cotton/polyester material shall be sewn to the inside of the sleeve shell approximately 5 inches from the sleeve end and extending toward the cuff forming the sleeve well. The neoprene sleeve well shall form an elasticized cuff end with an FR hook and loop fastener tape tab providing a snug fit at the wrist and covering the knit wristlet. This sleeve well configuration serves to prevent water and other hazardous elements from entering the sleeves when the arms are raised. The neoprene material shall also line the inside of the sleeve shell from the cuff to a point approximately 5 inches back, 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.

_____ Comply _____ Exception

LINER ELBOW THERMAL ENHANCEMENT

An additional layer of thermal liner material shall be sewn to the elbow area of the liner system for added protection at contact points and increased thermal insulation in this high compression area. The elbow 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. Finished dimension shall be approximately 5 inches by 8 inches. All edges shall be finished by means of overedging. Raw or unfinished edges shall be considered unacceptable. Thermal scraps shall not be substituted for full-cut fabric padding.

_____ Comply _____ Exception

LINER SHOULDER AND UPPER BACK THERMAL ENHANCEMENT

A minimum of one additional layer of thermal liner material shall be used to increase thermal insulation in the upper back, front and shoulder area of the liner system. This full-cut thermal enhancement layer shall drape over the top of each shoulder extending from the collar to the sleeve/shoulder seam, down the front approximately 5 inches from the juncture of the collar down the back to a depth of approximately 5 ¾ 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.

_____ Comply _____ Exception

RADIO POCKET

Each jacket shall have a pocket designed for the storage of a portable radio. This pocket shall be of box type construction, double stitched to the jacket and shall have one drainage eyelet in the bottom of the pocket. The pocket flap shall be constructed of two layers of outer shell material measuring approximately 3 inches longer than the depth of the pocket and ¼ inch wider than the pocket. The pocket flap shall be closed by means of FR hook and loop fastener tape. A 1½ inch by 3 inch piece of FR hook fastener tape shall be installed on the inside of the pocket flap beginning at the center of the bottom of the flap. A 1½ inch by 3 inch

piece of FR loop fastener tape shall be installed horizontally on the outside of the pocket near the top center and positioned to engage the hook fastener tape. In addition, the entire inside of the pocket shall be lined with neoprene coated cotton/polyester material to ensure that the radio is protected from the elements. The impermeable barrier material shall also be sandwiched between the two layers of outer shell material in the pocket flap for added protection. The radio pocket shall measure approximately 2 inches deep by 3x5 inches wide by 8 inches high and shall be installed on the left chest.

_____ Comply _____ Exception

MICROPHONE STRAP

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.

The microphone strap shall be mounted on inside of the collar on the left side (when the collar is in the raised position) and shall be constructed of double layer outer shell material.

_____ Comply _____ Exception

SURVIVOR FLASHLIGHT HOLDER

Each jacket shall be equipped with a "Survivor" flashlight holder. An inward facing safety coat hook shall be triple riveted in a vertical position to the upper chest. The inward facing coat hook will accommodate the clip portion of the flashlight. Below the coat hook will be a strap constructed of outer shell material measuring approximately 1 ¾ inches high and 9 inches wide, and will hold the barrel of the flashlight. The lower strap will be equipped with a 1 ½ inch by 2 ½ inch FR hook and loop closure at the front of the strap to facilitate easy removal of the flashlight. There shall be approximately 3 ½ inches between the upper coat hook and lower strap. The "Survivor" flashlight holder shall be sewn to the jacket on the right chest.

_____ Comply _____ Exception

EMBROIDERED IDENTIFICATION STRIP

Lettering shall be embroidered onto a 1 inch by 4 inch strip of outer shell material. (Specific ID lettering will be determined at time of order, with a maximum of 14 characters per strip.) The embroidery shall be done in red Nomex® thread. A piece of 1 inch by 4 inch FR hook fastener tape shall be sewn to the underside of the ID strip. A corresponding piece of 1 inch by 4 inch FR loop fastener tape shall be sewn to the garment and shall engage the hook fastener tape on the ID strip. The embroidered ID strap shall be located on the radio pocket flap.

_____ Comply _____ Exception

EMBROIDERED AMERICAN FLAG – RIGHT SLEEVE

Each jacket shall have a Nomex® embroidered American flag that measures approximately 2½ inches high by 3½ inches wide. Per Military protocol the field of stars shall be to the top right corner for installation on the right sleeve. Flags made of fabric other than Nomex® shall be considered unacceptable.

_____ Comply _____ Exception

GENERAL SPECIFICATIONS PROTECTIVE PANTS FOR STRUCTURAL FIRE FIGHTING

SCOPE

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 and OSHA for structural fire fighters protective clothing.

_____ Comply _____ Exception

OUTER SHELL MATERIAL - PANTS

The "**PBI GEMINI® XT MATRIX™**" outer shell, trade name Gemini XT shall be manufactured by TENCATE and constructed of 60/40 Kevlar®/PBI™ modified plain weave outer shell fabric featuring a patented high tech grid of composite filament & spun yarns in a "Matrix Technology" with an approximate weight of 7.5 oz. per square yard. 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 black. **Bids offering a 600 denier Matrix product and/or the Matrix shell without the SST™ will not be considered.**

_____ Comply _____ Exception

THERMAL INSULATING LINER - PANTS

The thermal liner shall be constructed of 7.4 oz. per square yard Safety Components **GLIDE™ ICE 2L-E89**; one layer of 1.5 oz. and one layer of 2.3 oz. per square yard E-89™ spunlaced Nomex®/Kevlar® aramid blend, quilt stitched to a 60% Nomex® Filament/40% Nomex®/Lenzing spun yarn Face Cloth. 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.

_____ Comply _____ Exception

MOISTURE BARRIER - PANTS

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.

_____ Comply _____ Exception

SEALED MOISTURE BARRIER SEAMS

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.

_____Comply _____Exception

METHOD OF THERMAL LINER/MOISTURE BARRIER ATTACHMENT FOR PANTS

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/moisture barrier to the shell. The legs of the thermal liner/moisture barrier shall be secured to the shell by means of Ara-Shield® snap fasteners, 2 per leg. The Ara-shield® snap tabs shall be color coded to a corresponding color coded snap tab in the liner for ease of matching the liner system to the outer shell after inspection or cleaning is completed.

_____Comply _____Exception

THERMAL PROTECTIVE PERFORMANCE

The assembled garment, consisting of an outer shell, moisture barrier, and thermal liner, shall exhibit a TPP (Thermal Protective Performance) rating of not less than 35.

_____Comply _____Exception

STITCHING

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. Major A outer shell structural seams, major B structural liner seams and shall have a minimum of 8 to 10 stitches per inch. All Major A seams shall be sewn with ball point needles only. All seams shall be continuously stitched only.

_____Comply _____Exception

PANT CONSTRUCTION

BODY

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.

_____Comply _____Exception

LINER ACCESS OPENING (PANT)

The thermal liner and moisture barrier layers of the pant liner system shall be constructed in such a way as to allow an access opening for interior inspection, service and replacement. The thermal liner and moisture barrier layers shall be stitched together for security and prevention of inadvertent use of one

layer without the other. The liner system shall have a reinforcement of black Nomex twill material sewn to the bottom of the fly opening. This reinforcement will serve to prevent the liner from tearing in that area from the constant donning and doffing of the pants.

The liner system of the pant shall incorporate an opening along the back of the waistline for ease in inspecting the inner layers and to facilitate performing the complete Liner Inspection. The thermal liner and moisture barrier shall be individually bound with a neoprene coated bias cut tape and joined together on each of the front panels, along the waistband from the front fly opening to side seam. The back of the liner system will be allowed to remain open with two snaps on either side of the back seam to attach the moisture barrier layer to the thermal liner layer. As described previously, the pant thermal layer system snaps directly to the independent waistband by means of nine snap fasteners. There shall be no hook and loop used to close the liner access opening.

_____Comply _____Exception

SIZING

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.

_____Comply _____Exception

RETROREFLECTIVE FLUORESCENT TRIM

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™ Series 5600 Comfort Triple Trim (L/Y borders with silver center).

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

_____Comply _____Exception

REINFORCED TRIM STITCHING

All reflective trim is secured to the outer shell with Nomex® thread, using a locking chainstitch protected by our exclusive TrimTrax® system. Developed exclusively by Globe Manufacturing Co., LLC. this strip of 3/32-inch strong, durable, flame resistant black Kevlar® cording provides a bed for the stitching along each edge of the retroreflective fluorescent trim surface and affords extra protection for the thread from abrasion. TrimTrax® 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 TrimTrax® 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.

_____Comply _____Exception

WAISTBAND

The waist area of the pants shall be reinforced on the inside with a separate piece of black aramid outer shell material, cut on the bias (diagonally). The reinforcement shall be folded in half, for a finished bottom

edge and shall have a finished width of not less than approximately 1½ inches. The top edge of the waistband reinforcement shall be double stitched to the outer shell at the top of the pants. The lower edge of the waistband shall be unattached to the shell to accept the thermal liner and moisture barrier. The top of the thermal liner and moisture barrier shall be secured to the underside of the waistband reinforcement by means of nine snaps, spaced equidistant along the length of the waistband reinforcement. Inserting the liner system between the waistband reinforcement and outer shell serves to reduce the possibility of liner detachment while donning and doffing. The independent waistband construction affords greater comfort and fit than a turned and stitched method. Pants that do not include an independent waistband or are not cut on the bias will not provide the same amount of stretch to the garment and shall be considered unacceptable.

_____Comply _____Exception

PANT CLOSURE SYSTEM

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 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.

_____Comply _____Exception

ARAMID BELT WITH BELT LOOPS

Each pant shall include an approximate 2 inch wide belt constructed of aramid webbing material with an adjustable hi-temp thermoplastic Delrin buckle serving as the exterior primary positive locking closure. This buckle provides a quick-release mechanism for donning and doffing. The belt will attach to the pants by means of a minimum of 5 outer shell material belt loops, spaced equidistant around the waist in proportion to the waist measurement.

There shall be an option for a certified Yates internal harness system.

_____Comply _____Exception

EXTERNAL / INTERNAL FLY FLAP

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 riveted to the left front body panel in the waist area and shall engage the dee ring located on the leading edge of the external fly flap. (See paragraph on waistband construction).

The internal fly flap closure shall consist of 1½ inch wide by full-length FR hook and loop fastener tape. The FR 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 hook fastener tape shall be sewn with four rows of stitching to the left front body panel positioned to engage the loop portion when the external fly flap is in the closed position.

_____Comply _____Exception

AXTION® KNEE

The outer shell of the pant legs shall be constructed with horizontal expansion pleats in the knee area

with corresponding darts in the liner to provide added fullness for increased freedom of movement and maximum flexibility. The pleats shall be folded to open outwardly towards the side seams to insure no restriction of movement. The AXTION® knee will be installed proportionate to the pant inseam, in such a manner that it falls in an anatomically correct knee location.

The thermal liner shall be constructed with four darts per leg in the front of the knee. Two will be located above the knee (one on each side) and two will be located below the knee (one on each side). On the moisture barrier, the system will consist of two darts, to allow added length in the under knee. The darts in the liner provide a natural bend at the knee. The darts in the liner work in conjunction with the expansion panels in the outer shell to increase freedom of movement when kneeling, crawling, climbing stairs or ladders, etc.

_____Comply _____Exception

LINER KNEE THERMAL ENHANCEMENT

An additional layer of specified thermal liner and neoprene coated material will be sewn to the knee area of the liner system for added protection and increased thermal insulation at contact points. . 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.

_____Comply _____Exception

KNEE REINFORCEMENTS

The knee area shall be reinforced with a layer of black Dragonhide® 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 knee reinforcement specified shall be removable for replacement without opening Major A seams of the outer shell of the pant.

_____Comply _____Exception

PADDING UNDER KNEE REINFORCEMENTS

Padding for the knees shall be accomplished with one layer of **Silizone®** foam, sandwiched between the thermal liner and moisture barrier.

_____Comply _____Exception

EXPANSION POCKETS

An expansion pocket, measuring approximately 2 inches deep by 10 inches wide by 10 inches high shall be double stitched to the side of each leg straddling the outseam above the knee and positioned to provide accessibility. The lower half of each expansion pocket shall be reinforced with a layer of Kevlar 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 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 flame resistant hook and loop fastener tape. Two pieces of 1½ inch by 3 inch FR 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 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.

_____Comply _____Exception

EXPANSION POCKET REINFORCEMENTS

The lower half of the expansion pockets shall be fully reinforced on the inside with a layer of Kevlar.

_____Comply _____Exception

PANT CUFF REINFORCEMENTS

The cuff area of the pants shall be reinforced with a layer of black Dragonhide® material

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

_____Comply _____Exception

PADDED RIP-CORD SUSPENDERS & ATTACHMENT

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 ½ 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 webbing with aramid batting and wrap-around black aramid.

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.

_____Comply _____Exception

AXTION® SEAT

The rise of the rear pant center back seam, from the top back of the waistband to where it intersects the inside leg seams at the crotch, shall exceed the rise at the front of the pant by 8 inches. The longer rear center back seam provides added fullness to the seat area for extreme mobility without restriction when stepping up or crouching and will be graded to size. This feature in combination with other design elements will maintain alignment of the knee directly over the knee pads when kneeling and crawling.

_____Comply _____Exception

ID PATCH

The left pocket flap shall have a black ID 1x4 patch sewn on to the center of the flap. On the patch shall be the embroidered firefighter name in red.

_____Comply _____Exception

TAKE UP STRAPS

The pants shall be equipped with two take up straps. The straps shall be constructed of approximate 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 and one pull-tab. The rear strap component shall be constructed of black Aramid twill. The rear strap shall measure 1 inch wide and approximately 5 inches long and shall be folded back to form a loop which shall hold a high-temp thermoplastic slide fastener. The slide fastener shall point toward the front. The opposite end of the strap shall be stitched to the pants with two rows of double-needle stitching. The front strap component shall measure approximately 1 inch wide by approximately 10 inches long. One end shall be folded back on itself to form a loop and the high-temp thermoplastic slide fastener from the other strap shall be captured within the loop. The opposite end of the front strap component shall be inserted through a high-temp thermoplastic buckle forming a loop and double-needle stitched to itself to secure the buckle in place. The opposite end shall be inserted through the buckle and shall be stitched to the pants with two rows of double-needle stitching. An approximate 1 inch by 1 ¾ inch black Aramid pull tab shall be secured to the buckle. The pull-tab shall be constructed of approximate 1 inch by approximately 4 inch black Aramid twill shall be looped through the opposite end of the buckle, folded in half and double-needle stitched to itself just below the buckle and at the opposite end. The take up strap pull-tabs shall pull toward the front to allow for adjustment. The overall finished length of the take up strap shall measure approximately 9 inches.

_____Comply _____Exception

REVERSE BOOT CUT

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.

Comply Exception

THIRD PARTY TESTING AND LISTING PROGRAM

All components used in the construction of these garments shall be tested for compliance to NFPA Standard #1971 by Underwriters Laboratories (UL). Underwriters Laboratories shall certify and list compliance to that standard. Such certification shall be denoted by the Underwriters Laboratories certification mark.

Comply Exception

LABELS

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

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

Comply Exception

ISO CERTIFICATION / REGISTRATION

The protective clothing manufacturer shall be certified and registered to ISO Standard 9001 to assure a satisfactory level of quality. Indicate below whether the manufacturer is so certified and registered by checking either "Yes" or "No" in the space provided.

Yes No

WARRANTY

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.

Comply Exception

HOOK AND LOOP SUPPORT PROGRAM

Support program shall cover hook or loop tape that has begun to fray or otherwise degrade from normal wear. This program shall remain in effect for a period of five years from the original date of manufacture of the garment. This support program shall cover the repair or replacement, without charge, of any hook and/or loop on the garments produced by the manufacturer providing the garments are otherwise serviceable.

This support program does NOT cover damage from fire, heat, chemicals, misuse, accident or negligence. Failure to properly care for garments will serve to void this support program.

_____Comply _____Exception

SIZING BY VENDOR

Both male and female sizing samples shall be available.

Both male and female sizing samples shall be on hand for use when sizing. The vendor shall be available to perform all sizing requirements within 96 hours of written notice. Measuring with a tape measure is not acceptable.

_____Comply _____Exception

GARMENT TRAINING AND SUPPORT

OSHA requires employees be trained on the capabilities and limitations of their Personal Protective Equipment. The selected vendor shall provide the following:

On-site care and maintenance training shall be provided by the manufacturer. Training shall be in compliance with NFPA 1851, current edition, at the conclusion of which each participant shall receive a certificate of completion.

An on-site OSHA mandated training class on the Knowing the Limits of Your PPE shall be provided at no charge. The training shall include structural firefighting coat, pant and boots.

_____Comply _____Exception

BAR-CODE/RECORD KEEPING INTERFACE

A 1 dimensional barcode, in the interleaved 2 of 5 format shall be printed on the label of each separable layer of the garment.

This barcode shall represent the serial number of the garment. The manufacturer shall be able to provide a detailed list of each asset of a drop-shipped order, and shall include the following:

- Brand
- Order Number
- Serial Number
- Style Number
- Color
- Description
- Chest/Waist Size
- Jacket/pant Length
- Sleeve Length
- Date of Manufacture
- Mark-For Data

This information shall be able to be imported into the manufacturers web-based system designed to facilitate the organization and tracking of assests in accordance with the cleaning and inspection requirements of OSHA and NFPA 1851.

_____Comply _____Exception

PPE RECORD KEEPING

The manufacturer shall make available and no-charge, a password protected data based backed website that does not care whose brand of PPE assets are being recorded. The website shall have the functionality to allow the manufacturer to import all of the pertinent data into the department's account so that the initial data entry by fire department personnel is eliminated.

The website shall allow for the department to use a barcode scanner, if desired, to scan the Interleaved 2 of 5 barcode found in the gear by going to the Search the Serial Number page in PPE record keeping program, and scanning the asset's barcoded serial number.

_____Comply _____Exception

EXCEPTIONS TO SPECIFICATIONS

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

COUNTRY OF ORIGIN

Jackets and Pants shall be manufactured in the United States.

OSWEGO FIRE PROTECTION DISTRICT

REQUEST FOR BID ON TURN-OUT GEAR

DATE: June 17, 2020

ITEM: *TURNOUT GEAR PURCHASE*

Bids will be received until Monday, July 13th, 2020 at 1800hours on the product, specified herein. The Date and Time as stated, is also the time of the public bid opening, unless modified by the Oswego Fire Protection District. All contractors are welcome to attend this opening.

GENERAL CONDITIONS

1. PREPARATION OF BIDS

Each bid shall be submitted on the Bid Form furnished in these documents. All bids must be written in black ink or typewritten, and signed with the legal signature of the Bidder, enclosed in an opaque envelope, **sealed and clearly marked** showing the bid identification, and date and time of opening in the lower left-hand corner (a label is enclosed for your convenience). The envelope must also contain the name and address of the bidder. The bidder must insure that the "sealed bid" envelope is properly identified. The Oswego Fire Protection District is not responsible for the premature opening of bid envelopes that are not properly marked. Any bids which are opened prior to the scheduled bid opening because of a failure to properly mark the envelope in accordance with this section, shall be deemed non-responsive and not considered.

2. EXAMINATION

Each bidder shall examine each and every part of the Specifications in order to comply with all requirements.

3. ERRORS AND OMISSIONS

All bidders are requested to notify the Oswego Fire Protection District immediately of any errors or omissions that are encountered. If a mistake in these documents is discovered after the bid opening, the Oswego Fire Protection District will be the sole judge of whether the mistake requires the submission of new bids. This decision shall be final and not subject to recourse. Errors and omissions by the Bidder on the Bid Form cannot be corrected after the bid opening. The bid will be rejected if the error or omission on the Bid Form results in a material defect, the bid will be rejected. Mere computational errors on the Bid Form will be corrected by the Oswego Fire Protection District.

4. TIMELY SUBMISSIONS

The receipt of bids will cease at the date and time set forth above for the receipt of bids. Bids received after the scheduled date and time will not be considered unless evidence is presented, acceptable to the Oswego Fire Protection District, that it was in possession of the bid prior to the bid opening date and the bid was misplaced while in possession of the Oswego Fire Protection District. Bids will not be accepted after the scheduled date and time of opening, and any bids received late will be returned to the bidder unopened, if at all possible. In many instances it is impossible to determine whom the bid is from unless it is opened. Should this be the case, the bid will be opened, address secured, and returned immediately.

5. QUALIFICATIONS OF BIDDERS

The Oswego Fire Protection District may take action deemed necessary to investigate the qualifications of each bidder. Each bidder shall complete the affidavit of experience form in these Bid Documents and submit such form with the Bid Form. The Oswego Fire Protection District reserves the right to qualify or disqualify bidders as a result of lack of similar product experience and/or any other information obtained from the affidavit of experience form. Details of the qualifications and requirements are found in the Terms and Conditions, below.

6. TAX EXEMPTION

The Oswego Fire Protection District is not subject to federal excise tax or Illinois retailer's occupation tax.

7. DELIVERY DATE

Bidder shall make delivery by the date set forth in the Specifications. Failure to deliver within the specified time shall constitute a breach of the agreement.

8. SUBSTITUTIONS

The use of brand name or catalog number in the Specification is only for the purpose of establishing a grade or quality required. Because the Oswego Fire Protection District does not wish to rule out other competition, whenever a specific brand name or catalog number is mentioned, the Bidder should add the phrase "or approved equal". Bidders proposing to use an alternate must request approval in writing to the Oswego Fire Protection District no later than five (5) business days prior to the bid opening. Bids which propose to use a non-approved alternate will be rejected.

The Oswego Fire Protection District shall be the sole and final judge as to whether any substitute is of equivalent or better quality. This decision is final and will not be subject to recourse by any person, firm, or corporation.

9. ADDENDA AND INTERPRETATION

All interpretations and requests for interpretations of the Bid Documents must be made in writing. Any addenda shall become part of the Contract Documents.

10. AWARD SELECTION

Bids will be awarded to the lowest responsible bidder complying with the conditions and Specifications presented herein. Although price is a major consideration in the award of bids, **the Oswego Fire Protection District does not award on price alone. The Oswego Fire Protection District also considers the quality of product, as judged by the Oswego Fire Protection District , terms of delivery, serviceability and any and all other factors permitted by law.** If specified on the bid form, awards will be based upon the submitted unit prices. The Oswego Fire Protection District reserves the right to award the Contract to one bidder for the entire product or to any series of bidders for an appropriate portion of the product. The Oswego Fire Protection District also reserves the right to: determine whether the selection, in its judgment, meets the needs or purposes intended; to increase or decrease the quantities shown on the bid; to reject any and all price or bids submitted and to waive any formality or technicality. Such decisions shall be final and not subject to recourse. Over the next eighteen months the anticipation is that we will order approximately twenty sets of gear. Additionally, the pricing must be held for any orders placed within (18) months of the bid opening.

No bids may be withdrawn after the official opening. All bids submitted must be valid for a minimum of **Sixty (60) days** after the date set for the bid opening. Bids are submitted to the Board for approval at a regular meeting of the Board of Trustees for the Oswego Fire Protection District.

11. CONTRACT

The Bidder to whom the contract is awarded is required to enter into a contract, with the Oswego Fire Protection District, substantially in the same form as the Sample Contract contained in these documents

12. INVOICING AND PAYMENT

The Bidder shall issue an invoice after acceptance of the product by the Oswego Fire Protection District. Invoices shall be typed and sent to the Oswego Fire Protection District containing the following information: Bidder shall state if there is any discount for prepayment.

1. The name, address and phone number of the Contractor;
2. Any payment discount terms offered;
3. A unique Invoice number (payment will not be made from a statement);
4. An itemization of all materials, supplies and equipment provided;
5. Completed W-9 form.

The Oswego Fire Protection District is not subject to Federal Excise Tax or Illinois Retailers Occupational Tax. Quote all prices F.O.B. Oswego, Illinois. F.O.B. Oswego, Illinois, is defined as the total price to the Oswego Fire Protection District, including all freight and delivery charges to its facility.

13. COMPLIANCE WITH LAWS

All materials, supplies and equipment provided under this bid must comply with all federal, state, county and local laws, ordinances, rules, regulations and orders that in any manner affect the production and sale of the product or service contained herein. Additional certifications, attached as addenda, will be required in the event federal or state funds are being used to fund this contract. Lack of knowledge on the part of the vendor will in no way be cause for release of this obligation. The Fire Protection District reserves the right to reject any bid, cancel any contract and pursue any other legal remedies deemed necessary if it becomes aware of violation of any laws on the part of the vendor.

14. MATERIALS

All materials supplied by the Contractor under the provisions of this document and any attachments hereto shall be new materials of the kind and character called for. Defective equipment or materials, including material damaged in the course of manufacture, shipping, delivery, installation or testing shall be replaced or repaired in a matter satisfactory to the Oswego Fire Protection District. All material and equipment furnished under these Specifications shall be the standard product of a manufacturer regularly engaged in the production of such material and shall be the manufacturer's current standard design.

15. WARRANTY/ GUARANTEE

The Bidder warrants to the Oswego Fire Protection District that all materials, supplies and equipment furnished will be of good quality and new unless otherwise required or permitted by the Specifications, that the materials, supplies and equipment will be free from defects not inherent in the quality required or permitted, and that the materials, supplies and equipment will conform to the Specifications. Materials, supplies and equipment not conforming to the Specifications, including substitutions not properly approved or authorized are defective and will be rejected by the Oswego Fire Protection District. This warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Bidder, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage.

Bidder must provide the Oswego Fire Protection District with two (2) copies of any manufacturer's warranty or guarantee information. If necessary, the Bidder will assign all manufacturers' warranties to the Oswego Fire Protection District.

16. FAIR EMPLOYMENT

Bidder's signature on the Bid Form will be construed as acceptance of and willingness to comply with all provisions of the acts of the General Assembly of the State of Illinois relating to wages of laborers, preference to citizens of the United States and residents of the State of Illinois, and discrimination and intimidation of employees. Provisions of said acts are herein incorporated by reference and become a part of this Proposal and Specifications.

17. EQUAL OPPORTUNITY

In connection with the performance of work under this contract, the contractor agrees not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability, sexual orientation or national origin. This provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or compensation, and selection for training, including apprenticeship. The contractor further agrees to take affirmative action to ensure Equal Employment Opportunities. The contractor agrees to post in conspicuous places, available for employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of the Equal Opportunity Clause.

18. NON-BARRED BIDDING

The Bidder must certify that it is not barred from bidding on this contract as a result of a conviction for the violation of state laws prohibiting bid-rigging or bid-rotating by executing the included certification.

The Bidder, by signing the Bid Form, acknowledges, understands and abides by all of the above "General Conditions."

LABEL FOR SEALED BID ENVELOPE

Cut out and tape label below to the lower left hand corner of your return sealed bid envelope.

Return to:

Oswego Fire Protection District
3511 Wooley Road
Oswego, Illinois

SEALED BID

2020 Turn Out Gear Bid

DO NOT OPEN UNTIL:

July 13th, 2020 @ 1800hrs