



Beloit

WISCONSIN

ADVERTISEMENT FOR BIDS TURNOUT GEAR

Pursuant to 66.0901 of Wisconsin State Statutes, sealed bid proposals labeled **Turnout Gear** to be furnished to the City of Beloit will be received by the City Clerk-Treasurer at 100 State Street, Beloit, WI 53511, starting Monday, December 10th, 2018 at 10am. Bids will be open until Friday, December 21st, 2018 at 2pm, at which time they will be publicly opened and read. Instructions for submitting bids and complete specifications may be obtained during regular office hours, Monday-Friday, 8:00am to 5:00pm at the same location, or by contacting Captain Michael Rosario via email rosariom@beloitwi.gov or phone 608-364-2900.

The City reserves the right to reject any or all proposals.

Captain Michael Rosario
Fire Department Quartermaster

PROPOSAL FORM

TURNOUT GEAR

Submit proposal forms to the following location:

TURN OUT GEAR
City of Beloit City Clerk-Treasurer
100 State Street
Beloit, Wisconsin 53511

BIDDERS:

The City of Beloit Fire Department is seeking bids for **Turnout Gear per detailed specifications included in this document.**

Bidders will be required to submit the specification document enclosed here. Bidders will also be required to provide evidence of compliance with the specification. If the specification cannot be met, the city reserves the right to accept or deny any equivalent. The vendor must provide information on how the equivalent meets or exceeds the specified item. Evidence specification compliance or equivalent shall be provided as appendices to this document.

Sealed bids will be publically opened at City Clerk-Treasurer's Office, 100 State Street, Beloit, Wi. 53511 at 2:00pm on December 21, 2018.

Notice of Award will be provided within 2 weeks from the bid opening. Unsuccessful bidders will be notified via U.S. Mail.

All bid documents are public documents and become public record after being submitted to the City Clerk-Treasurer.

Bidders will provide a 1-hour presentation and samples of the turnout components anytime during the open bid process. Bidders should contact Captain Rosario to set an appointment. Samples will be retained until the bid award notification. It will be each vendor's responsibility to retrieve the samples.

For any questions or comments regarding this bid please contact Captain Michael Rosario at 608-364-2900 or rosariom@beloitwi.gov . Allow at least 5 business days for a response. Bidders should submit all questions at least 5 days before the bid closing.

All sizes and colors shall meet specifications. All items will be supplied by one vendor.

**GENERAL SPECIFICATIONS PROTECTIVE COAT AND PANTS FOR
STRUCTURAL FIRE FIGHTING
CITY OF БЕЛОIT FIRE DEPARTMENT 2018
IN ACCORDANCE WITH NFPA 1971 (2018 Edition)**

SECTION 1- GENERAL INFORMATION

SCOPE AND PURPOSE

The following specification describes the minimum requirements for the materials, design and construction of protective clothing ensembles, excluding head, hands, and feet, affording protection against the adverse hazards associated with Structural Firefighting activities and certain other emergency operations as defined by NFPA 1971, Standard on Protective Ensemble for Structural Fire Fighting, 2018 Edition.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

THERMAL PROTECTIVE 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 41 when tested in accordance with NFPA 1971 standard. **This is a minimum requirement; no exceptions shall be considered.**

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

TOTAL HEAT LOSS (THL)

The garment composite, consisting of the outer shell, moisture barrier, and thermal liner, shall provide Total Heat Loss (THL) of not less than 260 when tested in accordance with NFPA 1971 Standard. **This is a minimum requirement; no exceptions shall be considered.**

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

CONDUCTIVE AND COMPRESSIVE HEAT RESISTANCE (CCHR)

Using approved breathable materials, there shall be a minimum area of 4" x 4" at the shoulders that provide a minimum of 25 CCHR at 2psi, and a minimum 6"x6" area at the knees that provide a minimum 25 CCHR at 8psi. All three compression areas shall be constructed of high temperature fiber based materials and sewn to the thermal liner on the inside of the liner toward the moisture barrier.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

THIRD PARTY TESTING

All components used in the construction of these garments shall be tested for compliance to NFPA 1971 Standard, 2018 Edition, by Underwriters Laboratories (UL). Underwriters Laboratories shall certify and list compliance to that standard. Such certification shall be denoted by the Underwriters Laboratories certification label.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

ISO CERTIFICATION/REGISTRATION

The protective clothing manufacturer shall be certified and registered to ISO Standard 9001 to assure a satisfactory level of quality.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

WARRANTY

The manufacturer shall warrant these coats and pants free from defects in materials and workmanship for the assumed life of the gear (10 years) when properly used and cared for.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

LABELING

Each garment shall have a garment label(s) permanently and conspicuously attached stating at least the following language:

DO NOT REMOVE THIS LABEL

THIS GARMENT MEETS THE GARMENT REQUIREMENTS OF NFPA 1971, STANDARD FOR PROTECTIVE ENSEMBLE FOR STRUCTURAL FIRE FIGHTING, 2018 EDITION.

Additionally, the label(s) shall include the following information:

Underwriters Laboratories classified mark

Manufacturer’s Name

Manufacturer’s Address

Manufacturer’s Garment Identification Number

Bar Code

Date of Manufacture

Size

Outer Shell, Thermal Liner, and Moisture Barrier materials used

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

SIZING BY VENDOR

The vendor shall be available to perform all sizing requirements within a reasonable time frame to be agreed upon by the vendor and Fire Department.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

SECTION 2- COMPONENTS

THREAD

Garments shall be assembled using only 100% NOMEX Thread. **This is a minimum requirement; no exceptions shall be considered.**

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

HOOK AND PILE

All references to hook and loop fasteners shall be defined as Flame Resistant hook and pile and shall be black in color.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

COAT MODEL: LTO 62BG TAILS

LTO Tail Outer Shell- 7 osy PBI Max- Black

LTO Tail Thermal Liner-7.4 osy Glide Ice 2 Layer

LTO Tail Moisture Barrier- 5.5 osy Stedair 4000

Standard Inspection Port Liner

Standard Liner Label Pocket

Standard Articulating Rapid Rescue Strap

2" Two-Tone Lime Trim on Flap

Standard Take Up Straps- Two Postman Take Up Straps Placed Above Pockets

Standard Trim Double-Stitched

Trim –Four NEW YORK – Lime Two-Tone Scotchlite 3"

Hem Patch – PBI Max-Black

Firefighter Last Name (Seven-3" Sewn Letters – Lime Scotchlite) (Ok to use 2" Letters to fit name)

Embroidered American Flag – Stars towards the Front – Right Sleeve

Integral Customization – Beloit Fire Dept Patch – Left Sleeve

Chicago Style Closure – 2" Velcro/Hooks and Dees

LTO Comfort Chinstrap (Black Knit Material on Comfort Chinstrap – No-Fold Chinstrap

Dead Air Panels

Coat Cuffs – Arashield – Black

FDNY Semi-Bellows Coat Pockets – PBI Max – Black – 6" x 9" x 1.5"; EZ Grip Flaps – Arashield – Black—

Handwarmer behind coat pocket

Mic Tab – PBI Max – Black, on Shield (Storm Flap) – 0.5" x 2.5" – Place 3" Below Top of Shield

Mic Tab – PBI Max – Black, Left Chest – 0.5 x 2.5 – (Placed Vertically with the Top of the Mic Tab 2.5" Below Shoulder Seam and 1.5" Over From Shield)

Radio Pocket – PBI Max – Black – Left Chest – 7" x 4" x 2" – (Place as Close to Shield as Possible – Use 2" Velcro – Flap to be 5.5" Long – Notch Flap on Left Side – 2" Deep Notch)

Two Additional Snap tabs, One on Each Side Seam

Sub Wristlets – Long Hybrid with Tabs- Nomex - Black

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

Cost Per Unit: \$_____ (2018) \$_____ (2019) \$_____ (2020) \$_____ (2021)

PANTS MODEL: LTO 62 BG PANTS

LTO Pant Outer Shell – 7osy PBI Max – Black
LTO Pant Thermal Liner – 7.4 osy Glide Ice 2 Layer
LTO Pant Moisture Barrier – 5.5 osy Stedair 4000
Standard –Inspection Port Liner
Standard- Liner Detachable
Standard- Trim Double-Stitched
Trim - (7) NFPA –Lime Two-Tone Scotchlite (3”)
Narrow Fly -2” Velcro w/Reverse Hook on Tab
Liner Label Pocket
Angled Cuffs – Arashield – Black
Pant Cuffs - Arashield - Black
BiFlex Heat Channel Knees – PBI Max – Black
Lower Knees 1” Below Standard Location
Horizontal Strips in BiFlex Knees to be Arashield – Black
Take Up Straps – Two Postman – PBI Max – Black
Take Ups with Belt Loops or Harness
X-Large Bellows Pockets (1) – PBI Max – Black – Left Side Seam – 10 x 10 x 2
Pocket (1) w/Reinforced – 5” Ext. Arashield – Black
E Z Grip Flap (1) – Arashield – Black
Pocket (1) Lined with Kevlar
Pocket (1) w/ 3 Strips of Velcro on Flap/Full Velcro on Pocket
Bellows Pocket with Escape System, Sewn Flat on Bottom TD#14-015 – Right Leg- 12 x 9 x 2
“V” Notch and Velcro Strap to be 1” Wide on Universal Escape System
Move Strap to the Top of the Pocket
Double Layer Hook Pocket (On Escape Pocket) – Arashield – Black
Double Descent Device Flap added inside Universal Escape System
Snap Style Suspender Attachment
Right/Left Life Grip Ladder/Escape Pant Open – Lower Placement
Right over Left Life Grip Ladder/Escape Belt
Dyna-Fit Suspenders w/Snap Attachment and Quick Adjust Installed
Dyna-Fit with Two Tone Lime Scotchlite Trim

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

Cost Per Unit: \$_____ (2018) \$_____ (2019) \$_____ (2020) \$_____ (2021)

OUTER SHELL MATERIAL

The outer shell shall be PBI Max, 7 ounces per square yard, and black in color. PBI Max is a blend of 65% Kevlar and 35% PBI.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

THERMAL LINER

The thermal liner shall be Glide Ice. The thermal liner shall be no more than 7.4 ounces per square yard in weight.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

MOISTURE BARRIER

The moisture barrier shall be Stedair 4000.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

SECTION 3- COAT DESIGN AND CONSTRUCTION

CONSTRUCTION

The coat shall be a true three-piece patterning design through the outer shell, moisture barrier, and thermal liner. The coat shall have set in sleeves with proportionally sized openings and built-in underarm bellows for full arm movement. The arms shall also feature Forward Flex and Kinetic Kut designs to allow greater ease of motion, unobstructed movement, and superior thermal protection. The wristlets shall be water proof with two double-layer Nomex wristlets mounted directly to the moisture barrier for a continuous liquid seal. The body of the coat and the arms shall have continuous 360 degree protection around all openings to minimize risk of exposure. The outer shell shall have a seam guard at the inboard side of the wrist to prevent wear at a high-abrasion area.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

SIZING

Stress is a major source of fireground injuries and fatalities, and so proper fit is critical. All coats must be custom tailored to the end-user's chest, sleeve length, and height for a true custom fit. A compliment of women's patterning is required.

Does Your Bid Comply With All Aspects of This Section? Yes_____ No_____

OUTER SHELL

The outer shell shall be constructed of PBI Max – 7oz, black in color. It shall be trimmed with a standard New York trim pattern with 3" lime, two-tone Scotchlite. All trim shall be double-stitched. The left sleeve shall have the Beloit Fire Department patch and the right sleeve shall have the appropriate American flag. The outer shell, when combined with the liner, shall make up a waterproof wristlet constructed of a double layer of Nomex, with continuous moisture barrier, that provides a liquid seal at the wrist. The sleeves shall have a Forward Flex design to prevent sleeve retraction when reaching up or forward. The sleeves shall have a single seam design to reduce wear points. Kinetic Kut styling will be incorporated to reduce hem rise and sleeve retraction, allowing for greater range of motion. Sleeves will have Seam Guards to reduce wear in high abrasion areas. The outer shell will have a LTO Comfort chinstrap sewn into the collar. The collar will have a Velcro closure for the chinstrap, but also a Velcro fastener to hold the chinstrap out of the way when not in use. The collar will have a sewn in loop to hang the coat when not in use. The coat's closure will be a Chicago-Style closure, with a 7" wide shield with exterior hook and pile covering interior reverse hooks and Ds. The 7" wide shield of the Chicago-Style closure shall have a horizontal mic tab sewn 3" below the top edge. The left chest area will have a radio pocket (8"X3"X2) with a notched cover flap. The flap will be notched on the side closest to the coat's left sleeve. A horizontal mic tab will be sewn in 1" above the radio pocket. The outer shell shall have two half-height bellows pockets (6"X9"X1 ½") with EZ Grip Flap, made of black Arashield, with hand warming pockets behind the bellows pocket, one on each side of the closure system. There shall be Postman Take-Up straps over the left and right side seams of the outer shell, located above the bellows pocket. The outer shell shall have three tabs, with snap attachment, that attach to the liner to keep the liner in place while donning. The outer shell shall have end-user's name on the "Tail," in 3" letters (2" letters will be permitted to accommodate longer names). Names will NOT include first initials, except in situations where duplicate names of personnel exist. Under the Drag Rescue Device (DRD) an arched back patch, made of PBI Max – 7oz, black in color, with "BELOIT" sewn on it, in an arch. All stitching shall be double-stitched and double-felled to reduce the risk of fabric or seam fraying.

Does Your Bid Comply With All Aspects of This Section? Yes _____ No _____

LINER SYSTEM CONSTRUCTION

The thermal liner shall be constructed of Glide Ice 2 Layer – 7.4 oz. The moisture barrier shall be constructed of Stedair 4000 – 5.5 oz. The thermal liner shall be sewn to the moisture barrier's perimeter, with inspection ports at the liner's tail to view all components of the liner for damage. The inspection ports shall be closable with Velcro for normal use. The liner shall attach to the outer shell with snap closures along the perimeter of the coat. It shall also have three tabs with snap closures that attach to the tail of the outer shell to keep the liner in place when donning. The wristlets of the liner shall be a long hybrid with tabs and black in color. When paired with the outer shell, they shall make up a waterproof wristlet constructed of a double layer of Nomex, with continuous moisture barrier, that provides a liquid seal at the wrist. The liner and outer shell shall attach with color-coded tabs with snap attachments. All liner stitching shall be double-stitched and double-felled to reduce risk of fabric or seam fraying. The liner shall have an end-user warning label. The liner shall have a UL approved label in accordance with the current version of NFPA 1971. This label shall include, at a minimum, the serial number, with bar code, the model number, the materials used to construct the outer shell, the thermal liner, and moisture barrier. This label shall also include the date of manufacture, cleaning instructions, and size. It shall be labeled "Originally manufactured for and Property of: Beloit Fire Department." The label shall include whom it was measured for.

Does Your Bid Comply With All Aspects of This Section? Yes ____ No ____

DRAG RESCUE DEVICE (DRD)

A removable Articulating Drag Rescue Device shall be installed in each coat. This DRD shall be of a single loop design. Two ends of the approved material will be sewn together to form a continuous loop. The DRD will be installed in the coat between the liner system and outer shell such that when properly installed will loop around each arm. The strap will run through a reinforced, high point hole location, located on the upper back of the coat, below the neck line, and centered so as to be accessible while wearing an SCBA. The DRD material shall be sewn in such a way as to have a “handle” easily gripped with gloved hands. This portion shall be on the outside of the coat, through the centered, high point hole location, and shall secure to the outside of the coat with two small patches of Velcro. The opening and “handle” shall be covered by a flap of outer shell material with a reflexive trim patch.

Does Your Bid Comply With All Aspects of This Section? Yes ____ No ____

SECTION 4 – PANTS DESIGN AND CONSTRUCTION

CONSTRUCTION

The pants shall be a true three-piece patterning design through the outer shell, moisture barrier, and thermal liner. The pants shall be a Low-waist Comfort Pant to provide increased mobility at the waist, reduced weight, and allow for more ventilation. The pants shall have a full range of motion crotch with U-shaped design and diamond-shaped insert to allow greater leg mobility. The pants shall have seam guards over the trim threads at high-abrasion areas to reduce wear.

Does Your Bid Comply With All Aspects of This Section? Yes ____ No ____

SIZING

Stress is a major source of fireground injuries and fatalities, and so proper fit is critical. All pants must be custom tailored to the end-user’s waist, height, and inseam for a true custom fit. A compliment of women’s patterning is required.

Does Your Bid Comply With All Aspects of This Section? Yes ____ No ____

OUTER SHELL

The outer shell shall be constructed of PBI Max – 7oz, black in color. It shall be trimmed at the cuff only, with three inch lime, two-tone Scotchlite. All trim shall be double stitched. The pants shall have seam guards over the trim threads at high-abrasion areas to reduce wear. The pants shall have angled cuffs to prevent “walking” on the cuff with the boot heel. The pants shall have two color-coded tabs, in each cuff, for liner attachment. The outer shell will also have snap closures for liner attachment at the waist. The knees of the pants shall be BiFlex Heat Channel Knees, made with horizontal strips of Arashield, utilizing additional lateral panels, made of Arashield, for greater flexibility, maximizing comfort and

protection. The left leg shall have a large bellows pocket (10"X10"X2"), made of PBI Max, reinforced with five inches of Arashield at the base, and an EZ Grip Flap made of Arashield. The pocket will be lined with Kevlar. The pocket on the right leg shall be a large Bellows pocket (12"X9"x2") with Escape System, sewn flat on the bottom of the pocket. Inside the Bellows/Escape pocket shall be reinforced with Arashield, where the Escape System's hook is stored. There shall be a functional and fully adjustable Life Grip Ladder/Escape Belt with corresponding hook and loop belt attachment, with built in 2" increments. On both hips there shall be take-up straps with Postman Clips. The suspenders shall be attached with a snap style attachment point. The suspenders shall be Dyna-Fit, with quick adjust mechanism, and trimmed with lime two-tone Scotchlite. The pants closure shall be a standard reverse hook and "D" with 1 ½ "wide Velcro

Does Your Bid Comply With All Aspects of This Section? Yes _____ No _____

LINER SYSTEM

The thermal liner shall be constructed of Glide Ice 2 Layer – 7.4 osy. The moisture barrier shall be constructed of Stedair 4000 -- 5.5 osy. The thermal liner shall be sewn to the moisture barrier's perimeter, with inspection ports to visualize the moisture barrier. The inspection ports shall be closed with Velcro for normal use. The liner shall attach to the outer shell with snap closures along the perimeter of the waist. The liner will also attach at the pants cuff with two color-coded tabs, with snaps. The liner shall have an end-user's warning label. The liner shall have a UL approved label in accordance with the current version of NFPA 1971. This label shall include, at a minimum, the serial number, with bar code, the model number, the materials used to construct the outer shell, the thermal liner, and moisture barrier. This label shall also include the date of manufacture, cleaning instructions, and size. It shall be labeled "Originally manufactured for and Property of: Beloit Fire Department." The label shall include whom it was measured for.

Does Your Bid Comply With All Aspects of This Section? Yes _____ No _____

*****Any and all exceptions to the above specifications must be clearly stated for each heading and should be added as appendices to this document.**

BID AUTHORIZATION AND SIGNATURE

Bids are to be signed by an officer of the company authorized to bind the submitter to its provisions. Failure to manually sign and notarize this bid form will disqualify the bidder and the bid will not be considered.

Company	Telephone
Authorized Signature	Witness
Typed Name and Title	Federal Identification #
Address, City, State, and Zip Code	Email Address

On this ____ day of _____, 20____ before me _____
(Name)

To me personally known, being duly sworn, did execute the foregoing proposal, and did so state

That he/she was properly authorized by _____
(Company Name)

To execute the proposal and did so on his/her free act and deed.

Notary Public _____

My Commission Expires _____

BID DOCUMENTS WERE PROVIDED VIA US MAIL/EMAIL TO THE FOLLOWING VENDORS TO SOLICIT PARTICIPATION:

VENDOR LIST:

5 Alarm Fire and Safety Equipment, LLC.

350 Austin Circle

Delafield, Wisconsin 53018

Contact: Brandon Halverson Cell: (608)208-4916 Office: (262) 646-5911

bhalverson@5alarm.com

Air One Equipment, Inc.

360 Production Drive

South Elgin, Illinois 60177

Contact: Ed Koelling Cell: (847) 562-6451 Office: (847) 289-9000

EKOELLING@AOE.NET

Dinges Fire Company

243 East Main Street

Amboy, Illinois 61310

Contact: Jack Redieski Cell: (815) 988-1164 Office: (815) 857-2000

jack@dingesfire.com

Jefferson Fire and Safety, Inc.

7617 Donna Drive

Middleton, Wisconsin 53562

Contact: Tom Clauson Cell (608) 575-4571 Office: (800) 697-3473

tomc@jeffersonfire.com

V4 Revised December 10, 2018 MR

V5 Revised December 10, 2018 BL