

**SECTION 4**  
**SPECIFIC SPECIFICATIONS AND SPECIAL CONDITIONS**  
**PROTECTIVE CLOTHING FOR SFES**  
**EVENT# - 2486**

- 4.0** The purpose of these specifications is to describe the requirements for protective clothing items for Savannah Fire & Emergency Services Firefighters.

To submit pricing electronically for this event, enter pricing for each line item shown under the lines tab on the event summary. To enter pricing manually, complete the attached bid proposal form.

**4.1 Scope of Work:**

- 4.1.1 All garments produced shall meet or exceed the criteria set forth in the current edition of NFPA 1971, “Protective Clothing for Structural Fire Fighting”, FED-OSHA CFR 1910, Subpart L, OSHA 29 CFR, Part 1910.1030.
- 4.1.2 All components and composites used in the construction of garments shall be third party tested, certified and listed for compliance to NFPA 1971. The label of the third party tester shall denote certification.
- 4.1.3 The manufacturer shall be registered to the ISO Standard 9001 to assure a satisfactory level of quality.

**4.2 FIREFIGHTER HELMET**

- 4.2.1. Helmets manufactured in accordance with this specification are designed to meet the requirements of NFPA 1971-2013 standard for firefighter helmets.
- 4.2.2. Cairns Invader 664 helmet: NO EXCEPTIONS, DEVIATIONS OR DELETIONS TO THIS SPECIFICATION WILL BE ACCEPTED.
- 4.2.3. Manufacturer’s Warranty: Cairns products and/or components furnished under this order carry a Lifetime Warranty against material defects and/or faulty workmanship, with the exception of the helmet shell, which carries a 5-year shell replacement warranty.
- 4.2.4. The Invader 664 helmets shall be of the Modern Fire Helmet Style. The shell shall have a down-sloping brim to enhance water shed. The radius of the juncture of the brim and crown shall be no less than 0.1875” to maximize deflection of debris and impact protection.
- 4.2.5. The shell material shall be a DuraGlas® composite, consisting of a high-temperature-, flame-, and chip-resistant “through-colored” thermoset resin,

reinforced with 1” and 2” chopped fiberglass, which is compression-molded to form a one-piece shell.

- 4.2.6. The exterior of the shell shall be completely coated with a color pigmented, high gloss, abrasion, high heat and chemical resistant paint finish. The shell color and matched paint finish shall be available in the standard colors of white, red, black, and yellow.
- 4.2.7. The shell dimensions (w/ edge trim) shall be 14.00” in length, 11.13” in width and have a crown depth of 5.9”. The shell shall have a nominal wall thickness of 0.065”.
- 4.2.8. The shell shall have black, or white\*, high-temperature, flame-resistant, flexible edge trim composed of an aluminum-cored, thermoplastic rubber (TPR). The edge-trim is secured around the entire brim of the helmet by crimping the aluminum core, and secured at the mating ends with a high-temperature adhesive and clamped by the helmet hangar clip at the edge of the rear brim.
- 4.2.9. The shell shall have a helmet hanger comprised of a ¾” nickel-plated “D” ring and a stainless steel clip. The helmet hanger shall be attached to the center rear of the brim.
- 4.2.10. The helmet shall include an impact liner, which is comprised of a rigid-cell, high-temperature urethane foam cap attached to a flame-resistant thermoplastic PPO inner liner. The impact liner shall be modular and field-removable for periodic inspection of the foam’s integrity. The impact liner is incorporated to provide increased thermal and impact protection.
- 4.2.11. The helmet shall consist of a 6-way head suspension system, attached to the impact cap. The head suspension system comprises three (3) fixed 0.75” wide nylon straps mounted at six points on the impact liner and fastened at their intersection to form the 6-way overhead strap assembly. The straps are attached to the impact cap by means of a rigid plastic strap that locks the straps into a routed annular groove in the impact cap.
- 4.2.12. The size of the headband may be adjusted to fit the wearer’s head by means of a ratchet adjustment system. The headband shall have a head size range of 6-3/8 to 8-3/8, adjustable in 1/8 increments. The head band is attached to the sides of the impact cap liner by four (4) flexible retention tabs. The rear ratchet arms shall have three (3) adjustable positions so that the angle of the ratchet may be set to accommodate the nape of the wearer’s head. The headband height shall be adjustable at the front of the helmet via a hook and loop system to provide additional comfort to the wearer.
- 4.2.13. The helmet shall have a comfort liner, which consists of a headband cushion liner and a ratchet pad, which are removable. Both components are produced from a

foam-core laminate system, which is composed of a soft black flame-resistant flannel material against the user's head and backed by a soft loop material which will be secured to the headband and the ratchet with hook fastener. The comfort liner is machine-washable.

- 4.2.14. The chinstrap shall be constructed of three (3) pieces (or sections) of 3/4" wide, spun-Nomex webbing, which are connected by a high-temperature, super-tough, thermoplastic quick-release buckle on the left side of the helmet, and by a cast zinc postman's slide buckle on the right side of the helmet.
- 4.2.15. The chinstrap is attached at either end of the impact cap by means of the tubular plastic ring, joined at the ends by an elastomeric tube that locks the chinstrap into a routed annular groove in the impact cap.
- 4.2.16. The long middle section, with the female half of the quick-release buckle sewn to the left end, shall pass through the postman's slide buckle on the right, and include hook-and-loop fastener for stowage of extra strap. The middle section shall be a minimum of 23.0" in length and the total length of the chinstrap shall be 35.0" at full extension, end to end.
- 4.2.17. Shell Release Provisions: The impact liner, complete with suspension system and chinstrap assembly (retained as described above) shall be retained to the helmet shell by means of two (2) thermoplastic retention clips mounted under the faceshield pivot hardware, and by four (4) pieces of hook-and-pile fastener sections between the impact liner and helmet shell in the crown area. This design will enable the shell to be released from the helmet when impacted from below the brim, reducing the chance of being injured by the chinstrap, and leaving the impact cap on the wearer's head for continued thermal and impact protection.
- 4.2.18. The helmet provides for ear and neck protection with a 6.5" wide, 19.0" long, full-cut earlap. The earlap consists of a PBI/Kevlar outer-shell, and a flame resistant inner-liner. The earlap shall be secured to the impact liner by pieces of hook and pile fastener in no less than five (5) locations.
- 4.2.19. The earlap is machine washable. The ear and neck protector shall be removable without interfering with the overhead strap assembly in any way and without removing any part of the helmet's suspension.
- 4.2.20. The Invader 664 shall have an integral visor system that retracts between the helmet shell and impact cap. The visor system shall be a wrap-around design, 4.5" high and 8.25" long. The lens shall be optically corrected to eliminate distortion. The lens of the visor system shall be available in clear or Tuffshield (yellow tinted) standard colors. Optional Tinted (Gray Smoked) and Mirrored finish lenses shall also be available. The lens shall be able to be quickly replaced without the use of tools.

- 4.2.21. Retro-Reflective Trim: The Invader 664 shall have four bar-shaped pieces of Scotchlite trim around the exterior of the crown of the helmet shell. There shall be an additional piece of bar-shaped trim on the exterior slope of the rear brim for maximum daytime and nighttime visibility.
- 4.2.22. The Invader 664 shall meet the requirements of NFPA 1971-2013 edition, US-OSHA 1910.156, and CAL-OSHA. Response to this specification shall include a current NFPA 1971-2013 Certificate of Conformance test report from an accredited test facility for the helmet offered. This certification testing is conducted annually as per NFPA requirements.
- 4.2.23. Upon the customer's request, training will be provided, explaining the proper maintenance, repair, and retirement of the helmet.

COMPLY \_\_\_\_\_ EXCEPTION \_\_\_\_\_

### **4.3 HELMET FRONT**

- 4.3.1 Helmet Shield to be manufactured from quality leather
- 4.3.2 Front to attach with hook and loop material
- 4.3.3 Front must have 100% of the mounting surface covered with the attachment material.
- 4.3.4 The matching surface on the helmet shall be the same size.
- 4.3.5 The material shall be mounted to the helmet with adhesive. The material shall be mounted to the front with adhesive, and then stitched to reinforce the attachment.
- 4.3.6 A sample may be requested to show that your offering meets the requirement.

COMPLY \_\_\_\_\_ EXCEPTION \_\_\_\_\_

### **4.4 FIREFIGHTER HOOD**

- 4.4.1 Features
  - 4.4.1.1 Double layer with seamless bib, shoulder notch style.
  - 4.4.1.2 Machine washable (do not bleach)
  - 4.4.1.3 Accommodates SCBA masks
  - 4.4.1.4 TRUEFIT elastic face opening

4.4.2 Classified by Underwriters Laboratories Inc., in accordance with NFPA 1971, current edition.

#### 4.4.3 MATERIALS

4.4.3.1 Each layer – Yellow 40% P84 / 60% Lenzing blend

4.4.3.2 Each layer is 8.0 oz. per sq. yard cloth

4.4.3.3 Construction is one by one rib

4.4.3.4 Sewn with 100% Nomex thread

#### 4.4.4 CONSTRUCTION

4.4.4.1.1 Head portion: The head portion of the hood shall be a two-ply P84 blend and Nomex blend. A single flatlock stitch shall run from the top-center of the face opening, up over the top of the head and down the back of the hood. There shall be no other seaming in the head portion of the hood.

4.4.4.1.2 The face opening shall be formed of 1/2 inch elastic sewn between the two layers of the head portion. The dimensions of the face opening shall be no greater than 5.6 inches or less than 4.6 inches as required by NFPA standards.

#### 4.4.5 DIMENSIONS

4.4.5.1 Hoods shall be constructed to the following minimum sizes:

4.4.5.2 Top of the crown to end of back approximately 22".

4.4.5.3 Top of the crown to end of front approximately 22".

4.4.5.4 Top of the crown to the shoulder notch approximately 15".

4.4.5.5 At neck approximately 13" wide.

4.4.5.6 From bottom of face opening to bottom of hood approximately 9".

4.4.5.7 An extra-long version shall also be quoted for use as needed.

COMPLY \_\_\_\_\_ EXCEPTION \_\_\_\_\_

## 4.5 FIREFIGHTER COAT

- 4.5.1 Firedex PBI MAX FX coat: NO EXCEPTIONS, DEVIATIONS OR DELETIONS TO THIS SPECIFICATION WILL BE ACCEPTED. All materials and construction will meet or exceed NFPA Standard #1971, current edition, and/or OSHA for structural fire fighters protective clothing. All components used in the construction of these garments shall be tested for compliance to NFPA 1971, current Edition by Underwriters Laboratories (UL). UL shall certify compliance to that standard. All garments shall carry the UL certification label. The outer shell and liner of each protective garment shall have a garment label permanently and conspicuously attached to each layer upon which the following statement shall be printed legibly on the product label. All letters shall be at least 2.5 mm (0.10”) high. The following label shall be sewn to the jacket outer shell: “THIS GARMENT MEETS THE GARMENT REQUIREMENTS OF NFPA 1971, STANDARD ON PROTECTION ENSEMBLE FOR STRUCTURAL FIRE FIGHTING, CURRENT EDITION.”
- 4.5.2 Coat Length: The coat shall be 32” in length.
- 4.5.3 Outer Shell Construction: The coat shall be designed with to provide maximum mobility and relieve firefighter stress. An “arms forward” pattern designed to accommodate the firefighter in a working position shall incorporate underarm gussets and darts in the elbows for unrestricted movement in the working position. The placement of the armhole allows for minimal coat rise and full mobility when wearing an air pack. The thermal/moisture barrier liner shall be specially designed to work in conjunction with the shell with a fuller cut pattern. The coat sleeve shall be naturally tapered designed and manufactured to provide unrestricted movement while bending the arm.
- 4.5.4 The outer shell shall include four darts at the elbow area - two above and two below the natural bend of the elbow along the sleeve seams. The coat and liner shall be four panel constructions. The front two panels shall extend up to the top of the collar and be an integral part of the collar. The Shawl type collar shall have pleats on the front panels around the base of the collar typical of a sewn-on style collar.
- 4.5.5 All seams joining the main body panels shall be felled and double needle lock stitched. The stitch type shall be 401, double lock stitch, as defined by Federal Standard 751a and seam type LSC-2 as defined by Federal Standard 751a, ensuring that all stitches penetrate four layers of cloth at the joining. All seams shall be sewn with an average of nine stitches per inch. All thread shall be 100% Tex 80 Nomex® thread. No chain stitching shall be allowed due to the chance of unraveling if one stitch is broken.
- 4.5.6 Additional Liner Enhancement: Shoulders and elbows shall be reinforced with a

layer of thermal material. A layer of quilted NOMEX® batt shall be sewn to the thermal liner at the top of the shoulders and the elbow area. These two enhancements will be sewn to the thermal material on the inside of the liner system.

- 4.5.7 Sleeves and underarm gusset: The set-in, two panel sleeves shall be incorporate a tapered design shaped to follow the natural contour of the arm. Each coat shall incorporate an underarm gusset in all three layers between the underside of the sleeve and the body of the coat. This rounded shaped gusset shall measure approximately 7" wide X 12" long (graded to coat size). The attachment point of the sleeves to the coat body panels at the top of the shoulder must be 2" – 4" from the outside of the shoulder when standing with the arms at rest at the side of the fire fighter. This moves the coat sleeve interface to the natural bend point of the body providing optimal mobility when donning an SCBA and minimizing coat rise. The sleeve panels shall be sewn together using seam type 401, double needle lock stitch. The out seam of the shell shall be felled and double needle lock stitched. The under seam and underarm gusset seams of the shell shall be double needle serged, then folded and top stitched with double needle lock stitching to reduce thread abrasion.
- 4.5.8 Collar Construction: The Shawl collar design shall be constructed as an integral part of the body panels, inner shell facings and the liner to provide uninterrupted and continuous protection to the firefighter. The collar shall measure not less than 3" high measured from where the collar pleats are placed on the body panels at the base of the neck. The exterior of the collar shall be an extension of the front panels with a pleat placed for comfort and the upper rear collar panel shall be joined with a double needle serged seam that is double needle topstitched on the back of the wearer's neck. A panel of shell material shall join the two inner front facings creating the inside of the collar. The coat thermal/moisture barrier lining shall extend up to the top of the inside of the collar without seams and attach inside the collar via five pieces of  $\frac{3}{4}$ " hook and loop sewn with double needle lock stitching to the top of the thermal liner and inside the top of the collar. The storm flap shall extend to the mid-throat. This design shall meet the NFPA standard for overall liquid integrity while more effectively interfacing with the s.c.b.a. face-piece when the collar is worn in the upright position. A shell material hang-up loop shall be lock stitched to the collar. The hang up loop shall be able to withstand a load of at least 80 pounds.
- 4.5.9 Inner sleeve: The sleeves shall have a waterwell to prevent liquids and other hazardous materials from entering when the arms are raised. This water well shall be constructed of StedAir 3000 moisture barrier and shall be double needle lock stitched to the outer shell approximately 5" from the sleeve cuff and continue down the inside of the outer shell to the cuff area. Two-layer NOMEX® wristlets shall be sewn to the end of the sleeve water well. Four 1" wide pieces of FR cotton tape will be sewn to the union of the sleeve water well and the knitwrist. These tabs will be spaced equally from each other and incorporate female snap

fasteners to accommodate corresponding male snaps in the thermal liner. A 6" wide layer of thermal lining material shall be lock stitched to the underside of the shell, between shell and water well to provide continuous thermal protection in the circumstance of the sleeve and reduce the risk of steam burns under the cuff trim.

4.5.10 Collar: The collar shall be constructed of four layers. It will incorporate two layers of outer shell material and two layers of moisture barrier. The moisture barrier shall be sandwiched between the two layers of outer shell material and face film side toward the shell. The edges shall be turned under and lock stitched together with the moisture barrier being secured at the perimeter only. The collar shall be contoured and measure not less than 3" at the front and 3" at the back when standing. A 1-1/2" strip of loop fastener shall be double needle lock stitched to the interior collar panel at the neckline. This shall accommodate the attachment of the liner system with a mated corresponding piece of hook fastener tape sewn to the collar area of the liner/moisture barrier. The collar shall close by means of an overlapping collar system that eliminates bulky collar throat straps. The left and right side of the collar front shall overlap each other by no less than 3". The hook portion of the hook and loop fastener tape shall be sewn to the right front side of the collar. The corresponding loop portion shall be sewn to the underside of the left collar end to form an adjustable collar closure system. A four-layer, shell material hang-up loop shall be lock stitched to the top of the liner/collar assembly and shall be able to withstand a load of at least 80 pounds.

4.5.11 Moisture Barrier/Thermal Liner Construction:

4.5.14. The moisture barrier shall be bound to the thermal liner around the perimeter of the liner using a 1" FR Neoprene coated binding tape double needle lock stitched. Each liner shall have a 9" X 8" liner pocket, constructed from the thermal liner material and lined with moisture barrier material. All edges of the pocket shall be serged to prevent unraveling and the pocket shall be sewn to the left inside of the liner system with a single needle lock stitch. All moisture barrier seams shall be sealed to prevent moisture penetration as per the moisture barrier manufacturers' specifications. To ensure minimum seam abrasion, the moisture barrier seams shall be oriented with the stitching toward the inside of the thermal barrier.

4.5.15. Outer Shell/Liner Assembly Attachment:

4.5.16. The liner shall be secured to the outer shell by means of five, nickel coated brass snap fasteners along the leading edges of the left and right facings. The position of the male snap portion on the liner shall be in exactly the same location of similar liner sizes and the female snap portion on the outer shell shall be positioned in exactly the same location of similar shell sizes. Four male snaps shall be positioned at each sleeve cuff to align with four female snaps located on the NOMEX® tabs at the outer shell inner sleeves. A 3/4" strip of the hook portion of Hook and Loop fastener tape shall be sewn to the top of the liner facing the



wearer's body and shall correspond with the loop portion as described in the collar section. Two snap tabs will be located at the bottom hem of the liner system to correspond with two snaps located on the outer shell to hold the liner down during donning.

4.5.17. Drag Rescue Device:

4.5.18. A removable drag rescue device shall be located between the liner and outer shell of each coat. The drag rescue device shall be made of KEVLAR® webbing strap sized to the coat. The KEVLAR® webbing shall be affixed so as to create a loop from the mid-back exit over the top of the right shoulder, under the right arm, across the mid-back. The device shall then go under the left arm, in front of and over the left shoulder, and exit again at mid-back. Two 1" slits are to be cut horizontally into the upper rear panel of the coat shell approximately 3" from the collar, and approximately 1" apart. The area around the slits shall be reinforced with a layer of polymer coated Aramid. The KEVLAR® webbing is then to be threaded through the slits creating a large loop. A flap of outer shell material and reflective trim is to be sewn over the external part of the loop and slit openings. The outer shell and flap will have mated hook and loop closures to secure the flap. The flap shall also feature a leather pull tab to easily access the drag rescue device with gloved hand.

4.5.19. Radio pocket:

4.5.20. A radio pocket constructed of outer shell material and measuring approximately 9"x3.5"x2" shall be sewn with lock stitching to left chest of each fire fighter's coat. The pocket shall have a flap measuring approximately 3" x 4" with two small notches removed to accommodate the radio antenna, and shall close by means of hook and loop fastener tape. Hook and loop shall be sewn with a double needle lock stitch around the perimeter. Each radio pocket and flap shall be lined with a layer of FR Neoprene coated polyester/cotton moisture barrier. Per NFPA requirements, all trim must be continuous; therefore, if the pocket placement interferes reflective trim must be sewn to the pocket. Left chest.

4.5.21. Trim Style:

4.5.22. The retro-reflective trim shall be three (3") inch 3M Scotchlite lime-yellow silver triple trim. Project Fire style. The coat trim configuration shall have one 3" strip around the hem of the coat, one 3" strip in the middle of the chest area and one 3" strip around each sleeve. On the back there shall be two vertical strips of trim. Each coat shall have an adequate amount of trim sewn to the outside of the outer shell to meet the requirements of NFPA 1971, current edition. All trim shall be secured to the shell with four rows of lock stitching – no exceptions.

4.5.23. Lettering:

- 4.5.24. The lettering shall be three inch (3") 3M Scotchlite lime-yellow silver. Letters shall be sewn directly to the coat in the upper back area.
- 4.5.25. **SAVANNAH** shall be arched.
- 4.5.26. **FIRE** shall be straight located below.
- 4.5.27. Detachable lower hanging name panel:
- 4.5.28. A snap and hook & loop removable lower hanging name patch shall be affixed to the bottom of the coat rear panel. A permanently attached strip of outer shell material approximately 21" long by 1.5" tall shall be sewn to the coat between the trim and shell. On this starter strip will be the snap and hook & loop system to accept the removable lettering patch. The patch will be approximately 21" wide across the top tapering to approximately 16" wide across the bottom. The height of the patch will be approximately 6". Firefighter last name in 2" Scotchlite lime/yellow letters shall be sewn directly to the name panel. Pricing for last name lettering of up to 8 characters should be included in coat price offering.
- 4.5.29. Outer Shell:
- 4.5.30. The Outer Shell shall be "PBI Max" designed in a light weight, 7 oz/yard<sup>2</sup> twill weave. Outer Shell shall be constructed with 70% PBI/Kevlar spun yarns and 30% 600 Denier Kevlar Filament yarns. A F-PPE durable fuel/chemical/water repellent finish shall be applied to the outer shell and all fibers and fabric must be made in the USA. Dyed PBI fabrics must be Solution Dyed- fabric dyed is unacceptable. The color shall be gold.
- 4.5.31. Thermal Liner:
- 4.5.32. Aralite or XtraLite. A Nomex facecloth quilt-stitched to a single layer of 100% aramid needlepunch made from a blend of virgin and reprocessed aramids. The total weight of the thermal liner shall be approximately 7.25 ounces per square yard.
- 4.5.33. Moisture Barrier:
- 4.5.34. StedAir 3000 on E89 is a bi-component moisture barrier with excellent moisture vapor permeability. StedAir® 3000 is engineered using tri-component technology. The textile substrate is a two layer Nomex E-89 from DuPont. Nomex E-89, a non-woven substrate, is laminated to a membrane comprised of an expanded ePTFE matrix that is combined to a continuous hydrophilic and oliophoebic polymer layer. It is capable of resisting temperature up to 900F and, along with a weigh of 2.7 ounces per square yard and thickness averaging 0.0026inches, provides excellent heat insulation due to its air entrapment characteristics. The StedAir 3000 moisture barrier meets and exceeds all requirements for the NFPA 1971-current edition specification. The weight of the

moisture barrier is 5.0 +/- 0.2 ounces per square yard.

4.5.35. Cuff Reinforcement:

4.5.36. Each cuff end shall be reinforced with a 2" wide piece of black polymer coated Aramid. The cuff reinforcement material shall be folded in half, approximately one half inside and one half outside and sewn to the shell with two rows of lock stitching. Edging of polymer coated Aramid will be folder prior to securing to shell so as to prevent a raw edge exposure.

4.5.37. Hand Pockets:

4.5.38. A semi-bellows slash pocket, measuring approximately 8" X 9" X 2", shall be double stitched to each front panel. A continuous layer of thermal material shall be sewn to the inside of the pocket front. One rust resistant brass drainage eyelet shall be installed in the bottom of each pocket to provide the drainage of water. The pocket flaps shall be constructed of outer shell material and measure approximately 4" tall X 8" wide. The pocket flaps shall be closed by means of hook and loop fastener tape that runs almost the entire length of both the pocket and pocket flap. Hook and loop shall be sewn with a double needle lock stitch around the perimeter. The upper corners of each pocket shall be bartacked for reinforcement.

4.5.39. Sealed Moisture Barrier Seams:

4.5.40. All moisture barrier seams shall be sealed with a minimum 7/8-inch wide sealing tape. One side of the tape shall be coated with heat activated glue adhesive. The adhesive side of the tape shall be oriented toward the moisture barrier seam. The adhesive is to be activated by heat and the sealing tape shall be applied to the moisture barrier seams by means of pressure exerted by rollers designed for that purpose.

4.5.41. Closure:

4.5.42. Inner zipper / outer woven hook & loop. The coat front closure shall consist of a 25" heavy-duty black oxide coated brass zipper on the coat fronts and hook & loop fastener tape on the storm flap. The teeth of the zipper shall be mounted on Nomex cloth and shall be sewn to the right front body panel and left jacket facings. The zipper parts shall be bartacked at the top and bottom for strength. The storm flap shall close over the left and right body panels and be secured by hook & loop fastener tape. A 1 1/2" by 24" strip if pile fastener tape shall be sewn to the underside of the storm flap and correspond to a 1 1/2" piece of hook fastener tape sewn to the right front body panel of the coat. Hook and loop shall be sewn with a double needle lock stitch around the perimeter

4.5.43. The coat shall have front facings that extend from the collar to the hem area.

These facings shall be 2” wide and be comprised of outer shell material and corresponding moisture barrier. The outer shell material shall face the wearer’s body when the jacket is in the closed position. The moisture barrier shall be sewn to the back of the outer shell portion and face the inside of the coat body panel. A 4” piece of moisture barrier shall be sewn into the coat facing and extend the length of the coat opening. This additional moisture barrier shall ensure that there is no gap in coverage between the outer shell and the wearer’s body. The liner/moisture barrier assembly shall be attached to these facings by means of snap fasteners.

4.5.44. NOMEX knitwrist:

4.5.45. A 7” long, two layer Nomex/Spandex wristlets shall be sewn to the waterwell. Each wristlet shall have a thumbhole with an approximate opening of 2” in diameter properly set as to align with the wearer’s thumb.

4.5.46. Universal fabric strap. Right Chest:

4.5.47. A 1” x 5” piece of leather encased by outer shell material shall be attached to the shell with double bartacks at each end on the left chest within one inch of storm flap.

4.5.48. Universal fabric strap. Left Chest:

4.5.49. A 1” x 5” piece of leather encased by outer shell material shall be attached to the shell with double bartacks at each end on the left chest within one inch of storm flap.

## **4.6 FIREFIGHTING PANTS**

4.6.1. Firedex PBI MAX FX pants: **NO EXCEPTIONS, DEVIATIONS OR DELETIONS TO THIS SPECIFICATION WILL BE ACCEPTED:** The pant outer shell and liner system shall be constructed of seven body panels consisting of two front panels, four back panels and a large seamless crotch panel. The pant rise shall be approximately 14” (graded according to size). The body panels shall be ergonomically designed to construct a pant with a noticeable natural bend at the knee. The outer shell and liner shall have four darts - two above and two below the natural bend of the knee along the side seams to permit an unrestricted range of motion when the knee is bent. All seams joining the body panels shall be felled and double needle lock stitched. The stitch type shall be 401, double lock stitch, as defined by Federal Standard 751a and seam type LSC-2 as defined by Federal Standard 751a, ensuring that all stitches penetrate four layers of cloth at the joining. All seams shall be sewn with an average of nine stitches per inch. All thread shall be 100% Nomex® Tex 80 thread. No chain stitching shall be allowed due to the chance of unraveling if one stitch is broken.

4.6.2. Waistband: Each pant shall have a separate waistband of shell and moisture barrier material bound together by Neoprene coated poly-cotton binding tape. The

waistband shall be lock stitched to the shell along the top of the waistline. The liner shall be secured under the waistband by means of eight nickel coated brass snap fasteners. The position of the male snap portion on the liner shall be in exactly the same location on similar liner sizes as the female snap portion on the waistband of similar shell sizes. The use of a waistband is necessary to deter the wearer from accidentally placing the foot between the shell and liner when donning the pants and does not allow foreign objects from entering the pants between shell and liner.

4.6.3. Standard Reinforcement

4.6.4. Knees shall have a layer of thermal material and moisture liner within the liner system that shall be attached to the thermal liner.

4.6.5. Pant Closure:

4.6.6. Each pant shall have an external fly flap constructed of one layer of quilted Nomex® batt and one layer of moisture barrier sandwiched between two layers of outer shell material. The fly flap shall be a continuous part of the left front body panel beginning at the waist and extending down to a depth of approximately 10". The flap shall be approximately 3-1/2" wide at the top, tapering down to width of approximately 2" at the bottom where it shall be triple bartacked to the outer shell for strength and durability. The flap shall be a part of the pant closure system, which shall be: Inner Zipper, Outer Woven Hook & Loop / Outer Hook & Dee - A strip of pile fastener tape sewn to underside of the fly flap shall correspond to a strip of hook fastener tape sewn to the right front panel of the outer shell. Both pieces of hook and loop shall be sewn with double needle lock stitching. A D-ring shall be installed at the top of the fly flap to engage a leather-backed 3-point snap hook that is attached to the top of left front panel.

4.6.7. Exterior Knee Reinforcement: The knee area shall have an exterior reinforcement of one layer of black polymer coated aramid and be padded behind the reinforcement with one layer of FR with the option to increase to two layers if performance with one layer is not sufficient, high temperature foam that are encased between layers of moisture barrier - providing a minimum CCHR rating of 200 seconds. The reinforced knee pad shall be sewn into the side seams of the pant thus graded in width according to pant waist size and be approximately 11" high. The bottom seam of the pad shall not have an exposed seam. The pad shall be pre-bent to the natural contour of the knee through incorporation of the padding into the darts in the pant design.

4.6.8. Outer Shell: The Outer Shell shall be "PBI Max" designed in a light weight, 7 oz/yard<sup>2</sup> twill weave. Outer Shell shall be constructed with 70% PBI/Kevlar spun yarns and 30% 600 Denier Kevlar Filament yarns. A F-PPE durable fuel/chemical/water repellent finish shall be applied to the outer shell and all

fibers and fabric must be made in the USA. Dyed PBI fabrics must be Solution Dyed- fabric dyed is unacceptable. The color shall be gold.

- 4.6.9. Thermal Liner: Aralite or XtraLite. A Nomex facecloth quilt-stitched to a single layer of 100% aramid needlepunch made from a blend of virgin and reprocessed aramids. The total weight of the thermal liner shall be approximately 7.25 ounces per square yard.
- 4.6.10. Moisture Barrier: StedAir 3000 on E89 is a bi-component moisture barrier with excellent moisture vapor permeability. StedAir® 3000 is engineered using tri-component technology. The textile substrate is a two layer Nomex E-89 from DuPont. Nomex E-89, a non-woven substrate, is laminated to a membrane comprised of an expanded ePTFE matrix that is combined to a continuous hydrophilic and oliophoebic polymer layer. It is capable of resisting temperature up to 900F and, along with a weigh of 2.7 ounces per square yard and thickness averaging 0.0026inches, provides excellent heat insulation due to its air entrapment characteristics. The StedAir 3000 moisture barrier meets and exceeds all requirements for the NFPA 1971-current edition specification. The weight of the moisture barrier is 5.0 +/- 0.2 ounces per square yard.
- 4.6.11. Sealed Moisture Barrier Seams All moisture barrier seams shall be sealed with a minimum 7/8-inch wide sealing tape. One side of the tape shall be coated with heat activated glue adhesive. The adhesive side of the tape shall be oriented toward the moisture barrier seam. The adhesive is to be activated by heat and the sealing tape shall be applied to the moisture barrier seams by means of pressure exerted by rollers designed for that purpose.
- 4.6.12. Pant Pockets: Split bellows cargo pocket, 10" x 10" x 2" left thigh.
- 4.6.13. An expansion pocket measuring approximately 2" deep by 10" wide by 10" high shall be double stitched to the thigh to provide accessibility. The pocket shall be divided into two compartments by adding a double layer of outer shell material that is sewn vertically and at the bottom of the pocket. The divider will be placed to create an 80/20 split with the larger portion being towards the front of the pocket. The lower 4" of each pocket (front, sides and bottom) shall be reinforced on the inside with Kevlar Twill material. Two rust resistant brass drainage eyelets shall be installed in the bottom of each pocket to provide the drainage of water. The pocket flaps shall be constructed of outer shell material and measure approximately 4" wide by 10" long. The pocket flaps shall be closed by means of Velcro fastener tape. Two 1.5" by 7.75" rectangular pieces shall be used on each pocket to provide a secure closure. The upper corners of each pocket shall be bartacked for reinforcement.
- 4.6.14. Full bellows cargo pocket, each 10" x 10" x 2" right thigh.
- 4.6.15. A bellows pocket, measuring approximately 10" X 10" X 2", shall be double

stitched to each front panel at the thigh. A continuous layer of Kevlar twill shall be sewn inside the lower half of the pocket to provide optimal strength when carrying small tools. Two rust resistant brass drainage eyelets shall be installed in the bottom of each pocket to provide the drainage of water. The pocket flaps shall be constructed of outer shell material and measure approximately 4" wide X 10" long. The pockets flaps shall be closed by means of hook and loop fastener tape. Two 1.5" by 7.75" rectangular pieces shall be used on each pocket to provide a secure closure. The upper corners of each pocket shall be bartacked for reinforcement. The upper corners of each pocket shall be bartacked for reinforcement. On the leg side of the pocket there shall be sewn shell material to form 6 tool pockets. 3 tall and 3 short compartments, each approximately 2.5" wide.

- 4.6.16. **Pant Pocket Exterior Reinforcement:** Both cargo pockets shall be reinforced on the outside with Black Polymer Coated Aramid material.
- 4.6.17. **Pant Comfort Features: Reverse Tapered Cuff -** The pant leg cuffs shall be tapered approximately 2" shorter in the rear than in the front to reduce the chance of wear.
- 4.6.18. **Pant Take-up Straps:** Black Nomex webbing with thermoplastic buckle on each hip.
- 4.6.19. **Glove Strap:** There shall be a shell fabric glove strap with Velcro located on the right leg between the waist and pocket.
- 4.6.20. **Cuff Reinforcement:** Each cuff end shall be reinforced with a 2" wide piece of black polymer coated Aramid that shall be folded in half, approximately one half inside and one half outside the leg end for greater strength and abrasion resistance. This reinforcement shall be sewn to the leg end with double stitching.
- 4.6.21. **Trim Style:** The retro-reflective trim shall be three (3") 3M Scotchlite lime-yellow silver triple trim around the lower leg. Trim shall be attached using four rows of lock stitching - no exceptions.
- 4.6.22. **Suspender:** Suspender shall be padded; black cotton webbing/X-back/ parachute pull D-ring take up straps. Suspender shall be removable via plastic coupler clips in front and a woven hook & loop system in the back. (No other attachment is acceptable)

## **4.7 FIREFIGHTER GLOVES**

- 4.7.1 **Construction:** Glove shall be five fingered, fourchette pattern with straight thumb. Wing thumb is NOT permitted.
- 4.7.2. **Outer shell:** entire palm, palm patch and back of hand shall be of premium goat

hide, treated to resist moisture and flame and to stay soft after repeated wet/dry cycles.

- 4.7.3. Moisture barrier: double moisture barriers from Porelle® shall be used to provide the utmost protection against water, chemicals and blood borne pathogens. Moisture barrier must be independently certified to exceed the NFPA® standards. Moisture barrier inserts must be securely attached to the shell to prevent inverting.
- 4.7.4. Wear patch on the palm shall be double-stitched to prevent tearing.
- 4.7.5. There shall be a protective leather patch across the knuckles for extra protection.
- 4.7.6. All seams shall be lock-stitched, minimum 10 stitches per inch, of DuPont™ Kevlar® 30/3 spin yarn aramid thread for greater strength against heat and cut.
- 4.7.7. Elastic snugger band shall be provided on BOTH palm and back of glove to provide secure fit, utilizing zigzag stitch for greater stretch capability.
- 4.7.8. Body of the glove shall extend a minimum of 2 inches beyond the wrist crease.
- 4.7.9. Glove shall be available in seven sizes ranging from XXS to XXL. Sizing shall allow the tips of user's fingers to extend to end of the glove for enhanced dexterity and safety.
- 4.7.10. Each pair of glove shall be individually poly bagged for inventory purposes, along with maintenance and inspection instructions. The NFPA® Safety Guide must also be included.

COMPLY \_\_\_\_\_ EXCEPTION \_\_\_\_\_

#### **4.8 FIREFIGHTER BOOTS**

- 4.8.1. GENERAL - 14" high, black, pull-on, leather/fabric bunker style boots with combination midsole/ladder shank/puncture resistant device for added support and comfort with less weight. Full-grain, water-resistant leather upper, ankle guard, Achilles flex point, safety toe, tibia guard, micro fiber suede heel slide, and nitrile rubber toecap for fire service personnel.
- 4.8.2. Boots meet or exceed NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, 2007 Edition, as well as NFPA 1992 Standard on Liquid Splash-Protective Ensembles and Clothing for Hazardous Materials Emergencies.
- 4.8.3. VAMP – Full-grain, water, flame, chemical, and cut resistant leather, 2.4 – 2.6 mm nominal thickness, 6.5 oz.



- 4.8.4. QUARTER – schoeller® fabric blend with KERMEL® significantly reduces weight and is more breathable than leather.
- 4.8.5. PULL STRAPS – Low profile, 1” wide, triple-stitch reinforced, full-grain water and flame resistant leather.
- 4.8.6. FLEX POINTS – Accordion-style flex points behind and in front of the ankle allow the boot to flex where you do, providing improved range of motion.
- 4.8.7. SAFETY TOE – Corrosion resistant, anatomically shaped steel safety toe.
- 4.8.8. COMBINATION MIDSOLE/LADDER SHANK/PUNCTURE RESISTANT DEVICE – Flexible, advanced textile composite in the forefoot area with a stiff, supportive glass fiber reinforced composite from the arch back to the heel. Provides full puncture resistance coverage and thermal insulation for the bottom of the foot.
- 4.8.9. INSOLE – Combination Texon® and polyethylene; anti-microbial; wicks perspiration and dries quickly; lightweight with excellent flex endurance.
- 4.8.10. FOOTBED – Triple-density, removable footbed made of Cambrelle®, felt, and ergonomically molded EVA. Wicks moisture and dries rapidly. EVA provides cushioning.
- 4.8.11. OUTSOLE – High traction, abrasion resistant, electrically insulating, oil, flame, and chemical resistant, nitrile rubber outsole equipped with ergonomic HEELROLL™ and TOESPRING™ to promote a natural walking motion. High profile ladder grips to prevent slips. Durometer hardness: 66 Shore A (nominal). Integrated stand-off allows for easy removal of the boot.
- 4.8.12. HEEL COUNTER – Ergonomically molded heel counter provides stability, comfort, and long-lasting support.
- 4.8.13. THERMAL BARRIER – Full-height layer of 300 g polyester felt provides thermal protection.
- 4.8.14. FULL-HEIGHT CROSSTECH® FOOTWEAR FABRIC BOOTIE SYSTEM – Five-layer laminate of durable Cambrelle® quilted to a 300 g polyester felt thermal barrier, laminated to a CROSSTECH® moisture barrier.
- 4.8.15. HEEL SLIDE – Abrasion resistant microfiber suede. No stitching or seams running directly down the center of the backstay in the heel area to improve comfort and prevent premature wear of the liner.

- 4.8.16. SHAFT COLLAR – Soft, full-grain leather-bound padded collar for superior comfort to accommodate individual leg sizes.
- 4.8.17. COMFORT PADDING – Thermal insulating, open cell polyurethane foam padding strategically placed throughout the upper for superior comfort and support.
- 4.8.18. THREAD – Tough, fire-resistant Kevlar® thread throughout the upper.
- 4.8.19. OUTSOLE ADHESION – A 2-component, high-temperature polyurethane adhesive system is used to bond the outsole/midsole to the upper.
- 4.8.20. PROTECTIVE TOE CAP – Abrasion, chemical, and flame resistant nitrile rubber protective toecap; 1.8 mm nominal thickness.
- 4.8.21. TIBIA GUARD – Internal tibia guard made of thermoformed polypropylene, extremely lightweight with a specific gravity of 0.75, impervious to water. External tibia guard cover made of abrasion, fire, and water resistant schoeller® fabric blend containing Kermel® and a reflective background.
- 4.8.22. ANKLE GUARD - Contoured ankle guards protect ankles from knocks and dings.
- 4.8.23. AVAILABLE SIZES – 5 to 13, 14, 15 in medium (D), wide (E), and extra wide (EEE or X) widths.
- 4.8.24. MARKINGS – Interior label containing all information as required by NFPA 1971 “Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting”, 2007 Edition.

COMPLY \_\_\_\_\_ EXCEPTION \_\_\_\_\_

- 4.9 Replacement Face shields for the Cairns Invader 664 Helmet, and Paul Conway Legacy 5 Helmet.**
- 4.10 Replacement Suspenders for FF pants (see specs sheet) and Quick Adjust H-Back Suspenders With Traditional Attachments: Lion Apparel-Color:Black , Sizes: Size 36 -Model # SB336, Size 40-Model # SB640, Size 42-Model # SB342, Size 45 Model # SB645, Size 48-Model # SB348 Suspenders shall be designed for greater range of mobility and reduced stress allowing for eight points of attachment to a high back bunker pant with traditional suspender buttons.**

## **5.0 General Requirements:**

- 5.1. Delivery: Each order placed under this contract shall be delivered to the purchaser no later than forty-five (45) days after receipt of order. There shall be no exception to this provision.
- 5.2. Emergency Replacements: Delivery of replacement protective clothing (required stock) damaged in the line of duty must be delivered with 48 hours after receipt of order. An emergency number must be provided for contact after regular store hours in the case of emergency replacement.
  - 5.2.1. Measurement: All firefighters shall be measured within 24 hours of request to ensure proper fit under this contract.
- 5.3. Warranty: Each garment (coat and pants) shall have a limited lifetime warranty against defects in material and workmanship which is detailed on a card attached to each garment.
- 5.4. Quantities will be bid on a per-unit price. No guarantees will be made as to actual quantities to be purchased.

## **6.0 General Specifications**

- 6.1 The bid response must include the following documents in this order
  - Supplier Information Form
  - Non-Discrimination Statement
  - Proposed Schedule of MWBE Participation
  - Other requested submittals as stated

All referenced documents must be completed and returned in their entirety to constitute a complete bid.

- 6.2 Bids may be submitted manually to the address listed in the bid documents or electronically via the supplier portal in sufficient time to ensure receipt by the Purchasing Department on or before 1:30 P.M. on the date specified in the web page listing for this event. Requested documentation may be attached to the bidder's response. A supplier guide for assistance in submitting responses can be found by clicking on the Important Documents tab of the Purchasing webpage at: <http://www.savannahga.gov/cityweb/purchasingweb.nsf>
- 6.3 Original invoices should be sent to:

City of Savannah



P.O. Box 1027  
Savannah, GA 31402

- 6.4 Vendor is responsible for determining and acknowledging any amendments issued in connection with this bid solicitation.
- 6.5 To submit and be awarded a bid, bidders must be registered as a bidder on the City of Savannah's website at [www.savannahga.gov](http://www.savannahga.gov).
- 6.6 This is an annual contract and prices are to be held firm for a period of one (1) year 12 months). This agreement may be renewed for up to three (3) additional twelve (12) month periods, if all contracting parties so agree and services provided by the vendor have been satisfactory.

**EXCEPTION SHEET**

If the commodity(s) and/or services proposed in the response to this bid is in anyway different from that contained in this proposal or bid, the bidder is responsible to clearly identify by specification section number, all such differences in the space provided below. Otherwise, it will be assumed that bidder=s offer is in total compliance with all aspects of the proposal or bid.

Below are the exceptions to the stated specifications:

\_\_\_\_\_  
Date

Signature\_\_\_\_\_

Company\_\_\_\_\_

Title\_\_\_\_\_



**BID PROPOSAL FORM  
(SUBMIT AS THE COVER SHEET)**

City of Savannah Purchasing Department  
3rd Floor, City Hall  
P. O. Box 1027  
Savannah, Georgia 31402  
ATTN: Purchasing Director

EVENT NUMBER: \_\_\_\_\_  
Business Location: (Check One)  
\_\_\_\_\_ Chatham County  
\_\_\_\_\_ City of Savannah  
\_\_\_\_\_ Other

**ALL BIDDERS MUST BE REGISTERED VENDORS ON THE CITY'S WEBSITE. PLEASE REGISTER AT WWW.SAVANNAHGA.GOV.**

Name of Bidder: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**DO YOU HAVE A BUSINESS TAX CERTIFICATE ISSUED IN THE STATE OF GEORGIA?  
(CHECK ONE) YES: \_\_\_\_\_ NO: \_\_\_\_\_**

**FROM WHAT CITY/COUNTY \_\_\_\_\_**

**TAX CERTIFICATE #: \_\_\_\_\_ FED TAX ID #: \_\_\_\_\_**

**INDICATE LEGAL FORM OF OWNERSHIP OF BIDDER (STATISTICAL PURPOSES ONLY): CHECK ONE: \_\_\_\_\_ CORPORATION \_\_\_\_\_ PARTNERSHIP \_\_\_\_\_ INDIVIDUAL \_\_\_\_\_ OTHER (SPECIFY: \_\_\_\_\_)**

**INDICATE OWNERSHIP STATUS OF BIDDER (CHECK ONE):**

\_\_\_\_\_ NON-MINORITY OWNED \_\_\_\_\_ ASIAN AMERICAN  
\_\_\_\_\_ AFRICAN AMERICAN \_\_\_\_\_ AMERICAN INDIAN  
\_\_\_\_\_ HISPANIC \_\_\_\_\_ OTHER MINORITY (describe) \_\_\_\_\_  
\_\_\_\_\_ WOMAN (non-minority)

**Do you plan to subcontract any portion of this project? Yes \_\_\_\_\_ No \_\_\_\_\_**

**If yes, please complete the attached schedule of M/WBE participation. Also complete the schedule if you will be using any M/WBE suppliers.**

**THE UNDERSIGNED PROPOSES TO FURNISH THE FOLLOWING ITEMS IN STRICT CONFORMANCE TO THE BID SPECIFICATIONS AND BID INVITATION ISSUED BY THE CITY OF SAVANNAH FOR THIS BID. ANY EXCEPTIONS ARE CLEARLY MARKED IN THE ATTACHED COPY OF BID SPECIFICATIONS.**

ITEM NO	DESCRIPTION	EST. QTY.	MANUFACTURER'S NAME & MODEL NO.	UNIT PRICE	TOTAL PRICE
1	Helmets (per Spec. 4.2)	60 Ea.			
2	Helmet Fronts (per Spec. 4.3)	60 Ea.			
3	Protective Hood (per Spec. 4.4)	60 Ea.			
4	Protective Coat (per Spec. 4.5)	60 Ea.			
5	Protective Pants (per Spec. 4.6)	60 Ea.			
6	Gloves (per Spec 4.7)	100 Pr.			
7	Boots (per Spec. 4.8)	60 Pr.			
8	Replacement Shield (per Spec. 4.9), and Paul Conway Legacy 5 Helmet.	60 Ea.			
9	Replacement Suspender (per Spec. 4.10)	75 Ea.			

TOTAL BID \$ \_\_\_\_\_



**PAYMENT TERMS: PLEASE CHECK ONE AND FILL IN BLANKS**  
(Minimum of 10 working days must be allowed  
for discount to be considered in bid award)

\_\_\_ Less \_\_\_ % \_\_\_ Days Prompt Payment Discount (if offered) (\_\_\_\_\_)

\_\_\_ Net - 30 Days (no discount offered) - 0 -

**TOTAL NET BID** \$  
=====

**TIME REQUIRED FOR DELIVERY AFTER RECEIPT OF ORDER: \_\_\_\_\_ DAYS**

**CONFIRM RECEIPT OF ANY ADDENDA ISSUED FOR THIS BID:**

ADDENDUM \_\_\_\_\_ #

DATE \_\_\_\_\_

I certify this bid complies with the General and Specific Specifications and Conditions issued by the City except as clearly marked in the attached copy.

\_\_\_\_\_  
Please Print Name

\_\_\_\_\_  
Authorization Signature  
Date



## NON-DISCRIMINATION STATEMENT

The prime contractor / bidder certifies that:

- (1) No person shall be excluded from participation in, denied the benefit of, or otherwise discriminated against on the basis of race, color, national origin, or gender in connection with any bid submitted to the City of Savannah or the performance of any contract resulting therefrom;
- (2) That it is and shall be the policy of this Company to provide equal opportunity to all business persons seeking to contract or otherwise interested in contracting with this Company, including those companies owned and controlled by racial minorities, cultural minorities, and women;
- (3) In connection herewith, we acknowledge and warrant that this Company has been made aware of, understands and agrees to take affirmative action to provide such companies with the maximum practicable opportunities to do business with this Company;
- (4) That this promise of non-discrimination as made and set forth herein shall be continuing in nature and shall remain in full force and effect without interruption;
- (5) That the promises of non-discrimination as made and set forth herein shall be and are hereby deemed to be made as part of and incorporated by reference into any contract or portion thereof which this Company may hereafter obtain and;
- (6) That the failure of this Company to satisfactorily discharge any of the promises of non-discrimination as made and set forth herein shall constitute a material breach of contract entitling the City of Savannah to declare the contract in default and to exercise any and all applicable rights and remedies including but not limited to cancellation of the contract, termination of the contract, suspension and debarment from future contracting opportunities, and withholding and or forfeiture of compensation due and owing on a contract.

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Signature

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Title



**PROPOSED SCHEDULE OF M/WBE PARTICIPATION**

All M/WBEs listed **must be certified as a minority-owned or women-owned business** by the City of Savannah or a federally-recognized or state-level certifying agency (such as USDOT, State DOT, SBA 8(a) or GMSDC) that utilizes certification standards comparable to the City of Savannah **prior** to the due date of this bid. **Other business certifications that do not specify majority woman or minority ownership may not be substituted. Proof of M/WBE certification from the certifying agency is required to accompany the bid.** A firm that has submitted an application for M/WBE certification but has not been certified is not qualified as a certified M/WBE and will not be recognized as such during the City's evaluation process. To expedite verification, please provide accurate phone numbers for all M/WBEs listed and ensure firms understand contact will be made following bid submittal.

Name of Proposer: \_\_\_\_\_ Event No. \_\_\_\_\_

Project Title: \_\_\_\_\_

**NOTE: Unless certified through the City of Savannah M/WBE Program, proof of M/WBE certification must be attached for all firms listed.**

Name of M/WBE Participant	Name of Majority Owner	Telephone	Address (City, State)	Type of Work Sub-Contracted	Estimated Sub-contract Value	MBE or WBE	Certified? (Y or N)	Certifying Agency? (City of Sav. or Other)
					%			
					%			
					%			
					%			
					%			
					%			

MBE Participation Value: \_\_\_\_\_ %      WBE Participation Value: \_\_\_\_\_ %      M/WBE Participation Value: \_\_\_\_\_ %

The undersigned will enter into a formal agreement with the M/WBE Subcontractors/Proposers identified herein for work listed in this schedule, conditioned upon executing a contract with the Mayor and Aldermen of the City of Savannah. The Prime's subcontractor that subcontracts work must enter into a formal agreement with the tier subcontractor identified herein for work listed in this schedule. The Prime may count toward the goal any tier of M/WBE subcontractors and/or suppliers that will be utilized in the contract work. However, when an M/WBE subcontracts part of the work, the value of the subcontracted work may **only** be counted toward the goal **if the tier subcontractor is an M/WBE**. Any work an M/WBE firm subcontracts to a non-M/WBE firm **will not count toward the M/WBE goal**. It is the responsibility of the Prime contractor to advise all M/WBEs of this requirement and to ensure compliance by subcontractors.

**Joint Venture Disclosure**

If the prime bidder is a joint venture, please describe the nature of the joint venture, the level of work and the financial participation to be provided by the Minority/Female joint venture firm in the space provided below.

Joint Venture Firms	Level of Work	Financial Participation

Printed name (company officer or representative): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_ Email: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

*The Minority/Women Owned Business Office is available to assist with identifying certified M/WBEs. Please contact the M/WBE Office at (912) 652-3582. The City of Savannah's certified M/WBE registry is posted on its website @ [www.savannahga.gov](http://www.savannahga.gov).*