

INVITATION FOR BID



Winston-Salem

**TURNOUT GEAR
WINSTON-SALEM FIRE DEPT.**

**Bids Will Be Opened
10:00 AM, Monday, August 28, 2017**

**BY THE
CITY/COUNTY PURCHASING DEPARTMENT**

324 City Hall Building
Winston-Salem, NC 27101

ADVERTISEMENT FOR BIDS

TURN OUT GEAR

Pursuant to Section 143-129 of the General Statutes of North Carolina, sealed proposals endorsed **TURN OUT GEAR** to be furnished to the City of Winston-Salem Fire Department will be received by the City/County Purchasing Department in Suite 324, City Hall Building, 101 North Main Street, Winston-Salem, NC until **10:00 a.m., August 28, 2017** 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, 8:00 a.m. to 5:00 p.m. at the same location, or by contacting TaWanna A. Gates via email tawannag@cityofws.org or phone 336-747-6938.

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

TaWanna A. Gates

Senior Buyer

Notice to Bidders

It is the policy of the City of Winston-Salem that an employee, officer, or agent of the City may not participate in any manner in the bidding, awarding, or administering of contracts in which they, or a member of their immediate family, their business partner, or any organization in which they serve as an officer, director, trustee, or employee, have a financial interest.

The successful bidder must comply with all provisions of the Americans with Disabilities Act (ADA) and all rules and regulations promulgated thereunder. By submitting a bid, the successful bidder agrees to indemnify the City from and against all claims, suits, damages, costs, losses, and expenses in any manner arising out of, or connected with, the failure of the Company, its subcontractors, agents, successors, assigns, officers, or employees to comply with the provisions of the ADA or the rules and regulations promulgated thereunder.

All bids must be firm and not subject to increase, unless specified within the provisions of this Invitation for Bid (IFB) and mutually agreed upon by the City and the proposer.

No special inducements will be considered that are not a part of the original bidding document.

City Rights and Options

The City, at its sole discretion, reserves the following rights:

- To supplement, amend, substitute or otherwise modify this IFB at any time
- To cancel this IFB with or without the substitution of another IFB
- To take any action affecting this IFB, this IFB process, or the equipment subject to this IFB that would be in the best interests of the City
- To issue additional requests for information

Public Records

Any material submitted in response to this IFB will become a “public record” once the bidder’s document(s) is opened and the bidder is determined to be a participant in the solicitation process and shall be subject to public disclosure consistent with Chapter 132, North Carolina Statutes. Bidders must claim any applicable exemptions to disclosure provided by law in their response to this IFB. Bidders must identify materials to be protected, and must state the reasons why such exclusion from public disclosure is necessary and legal. The City reserves the right to make all final determination(s) of the applicability of North Carolina General Statutes § 132-1.2, Confidential Information.

Familiarity with Laws and Ordinances

The submission of a bid on the equipment requested herein shall be considered as a representation that the bidder is familiar with all federal, state, and local laws, ordinances, rules and regulations which affect those engaged or employed in the provision of such services, or equipment used in the provision of such services, or which in any way affects the conduct of the provision of such services; and no plea of misunderstanding will be considered on account of ignorance thereof. If the bidder discovers any provisions in the IFB documents that are contrary to or inconsistent with any law, ordinance, or regulation, it shall be reported to the City in writing without delay.

The bidder agrees that in carrying out this contract, compliance will be maintained with all applicable federal, state, and local laws, specifically including, without limitations, the Occupational Safety and Health Act of 1970 and Section 1324A, the Immigration Reform and Control Act.

The bidder certifies that the bid is made in good faith and without collusion with any person bidding on this contract or with any officer or employee of the City of Winston-Salem.

The undersigned further agrees, in connection with the performance of this contract, not to discriminate against any employee or applicant for employment because of race, religion, color, gender, age, handicap, political affiliation or national origin.

Ethics Policy / Code of Conduct

The City of Winston-Salem has establish guidelines for ethical standards of conduct for City representatives and to provide guidance in determining what conduct is appropriate in particular cases. City representatives should maintain high standards of personal integrity, truthfulness, honesty, and fairness in carrying out public duties; avoid any improprieties in their roles as public servants including the appearance of impropriety; and never use their position or power for improper personal gain. In establishing an ethics policy, the City of Winston-Salem desires to protect the public against decisions that are affected by undue influence, conflicts of interest, or any other violation of these policies as well as promote and strengthen the confidence of the public in their governing body. For a complete review of the City Policy click the following link.

<http://www.cityofws.org/Home/Departments/Purchasing/Articles/Bids>

Equal Employment Opportunity / ADA

The Contractor shall not discriminate against any employee or applicant for employment because of race, creed, color, religion, national origin, political affiliation, gender, age or disability. The contractor shall comply with all applicable laws and regulations regarding the American with Disabilities Act (www.ADA.gov) as amended from time to time and all rules and regulations promulgated thereunder and other laws and regulations pertaining to equal employment. The Contractor hereby agrees to indemnify the Owner from and against all claims, suits, damages, costs, losses and expenses in any manner arising out of or connected with the failure of the contractor, its subcontractors, agents, successors, assigns, officers or employees to comply with the provisions of the ADA or rules and regulations promulgated thereunder. The Contractor agrees to act affirmatively in its employment and promotion practices, and in the general treatment of its employees.

Stimulation of the Local Economy

In an effort to stimulate the local economy, foster development and promote efficiency in the provision of city services and the completion of various city projects, the City of Winston-Salem has undertaken an initiative to strongly encourage all parties contracting with the City of Winston-Salem to evaluate their internal operations and hiring practices and, where appropriate, to initiate efforts to stimulate the local economy by hiring applicants and contractors from the Winston-Salem/Forsyth County Area and by utilizing minority and women contractors and service providers. Such efforts to stimulate the local economy may be accomplished by posting job vacancies with the North Carolina Employment Security Commission, the Piedmont Triad Regional Council of Governments, and the Winston-Salem Urban League; and utilizing the State of North Carolina Office for Historically Underutilized Business database

(<https://www.ips.state.nc.us/IPS/vendor/SearchVendor.asp?x=hobtain>) or other local resources such as the City of Winston-Salem M/WBE Program to identify Winston-Salem/Forsyth County based contractors and subcontractors. Stimulation of the local economy requires a collaborative effort of both the public and private sector. The city is committed to taking reasonable steps to achieve said goal.

E-Verify

Contractor shall comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. Further, if the Contractor utilizes a subcontractor, the Contractor shall require the subcontractor to comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes.

Iran Divestment Act

Contractor hereby certifies that it is not on the North Carolina State Treasurer's list of persons engaging in business activities in Iran, prepared pursuant to NCGS § G.S. 147-86.58, nor will Contractor utilize on this agreement any subcontractor on such list. This list, along with additional information about the Iran Divestment Act, is available on the Treasurer's Office site: <https://www.nctreasurer.com/inside-the-department/OpenGovernment/Pages/Iran-Divestment-Act-Resources.aspx>.

SPECIAL TERMS AND CONDITIONS

DETAILED SPECIFICATIONS: Detailed specifications for this equipment are included with the bid request. Bids to be submitted in accordance with the specifications and these Special Terms and Conditions, both of which require doing all that is necessary, proper, or incidental to the furnishing of the equipment identified herein. All things not expressly stated in the specifications or Special Terms and Conditions but involved in carrying them out must be included in bidder's proposal as though they were specifically stated.

NOTICE TO BIDDERS: All bids are subject to the provisions of the instructions to Bidders, special terms and conditions specific to this Invitation for Bids, the specifications, and General Contract Terms and Conditions. The City of Winston-Salem objects to and will not evaluate or consider any additional terms and conditions submitted with a bidder response. This applies to any response appearing in or attached to the document as part of the bidder's response. **DO NOT ATTACH ANY ADDITIONAL TERMS AND CONDITIONS.** By execution and delivery of a proposal, the bidder agrees that any additional terms and conditions, whether submitted purposely or inadvertently, shall have no force or effect. It shall be the bidder's responsibility to read this entire document, review all enclosures and attachments, and comply with all requirements specified herein.

The bidder is cautioned that the requirements of this bid can be altered only by written addendum and that verbal communications from whatever source are of no effect.

EXCEPTIONS TO SPECIFICATIONS: In the event that clarifications or changes to bid specifications are necessary, changes will be made by written addendum. In all cases equipment must be furnished as requested, and where brand names are used, consider the term "or equal" to follow. Such references are not intended to be restrictive and comparable products of other manufacturers will be considered. However, **written approval for any proposed substitution or change in specifications must be obtained by bidder prior to the close of bids.**

Any request for an approved equal, change in specification or protest of specifications must be fully supported with technical data, test results, or other pertinent information and evidence that the substitute offered is equal to, or better than, the specification requirement. The bidder shall not construe this paragraph as inviting deviation or implying that any deviation will be acceptable.

Bidder's failure to request exceptions to specifications or approved equals as stated above will be interpreted as the bidders' intent to comply fully with the requirements as written. Conditional or qualified bids shall be subject to rejection in whole or in part.

The City of Winston-Salem reserves the right to postpone bid openings for its own convenience.

GENERAL REQUIREMENTS: The equipment furnished shall be new and unused and the manufacturer's latest listed and published stock model, or models which meet all the applicable requirements of these specifications. Specifications may require that certain makes and models of vehicles, auxiliaries and/or accessories be provided.

BIDDERS SUBMITTALS: Bidder must furnish all information requested herein including descriptive literature and/or complete specifications covering the products offered. Reference to literature submitted with a previous bid will not satisfy this provision. Bids which do not comply with these requirements will be subject to rejection. All documents submitted should bear the name of the bidder.

EXPENSES INCURRED IN PREPARING BID: The City of Winston-Salem accepts no responsibility for any expense incurred by the bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the bidder.

CONTRACT/AWARD: Pursuant to the laws governing public contracts in North Carolina, the successful bidder's/vendor's response to this Invitation for Bids and Proposals and any addenda thereto, plus the City's issuance of a City of Winston-Salem Purchase Order for the proposed goods and/or services shall constitute a binding contract.

PURCHASE OF ADDITIONAL REQUIREMENTS: Subject to the successful bidder's acceptance, the City reserves the option to purchase additional equipment as specified herein at the price bid and awarded in this Invitation for Bids and Proposals within one (1) year from bid opening date. This bid may also be utilized by other entities per N.C.G.S. to piggyback at the sole discretion of the vendor.

INDEMNIFICATION: The bidder/vendor covenants to save, defend, keep harmless, and indemnify the City of Winston-Salem and all of its officers, departments, agencies, agents, and employees from and against all claims, loss, damage, injury, fines, penalties and cost - including court costs and attorney's fees, charges, liability, and exposure, however, caused resulting from, arising out of, or in any way connected with the bidder's/vendor's negligent performance or nonperformance of the terms of the contract.

VENDOR SUPPORT/SERVICE AND PARTS: The vendor and/or manufacturer bidding on these specifications must have the ability to provide repair parts and technical service in the form of a service representative, including the maximum time from receipt of notice to arrival of parts or the service representative. The manufacturer, whether they are the vendor or not must be satisfactory to the City of Winston-Salem from the standpoint of experience, reliability, and demonstrated ability to manufacture equipment comparable as to size and type as that required by the specifications, and shall have manufactured and/or sold equipment of the size and type specified which has operated satisfactorily in the field for a minimum of one year. The City of Winston-Salem reserves the right to reject bids from vendors that have failed to perform satisfactory under previous contracts with the City of Winston-Salem and/or vendors that cannot produce satisfactory evidence that they can furnish promptly all spare parts needed for ordinary service and repair of the equipment herein specified.

INSPECTION, TRAINING, PERFORMANCE TEST AND ACCEPTANCE:

- a. Upon delivery the equipment will be subject to inspection to verify conformance with specifications by the staff of the City of Winston-Salem
- b. Any defects or failure of equipment to perform or comply with any requirements of the City specifications must be immediately remedied by the vendor at the vendor's own expense prior to acceptance by the City.

WARRANTY: Bidder to include the warranty provisions as outlined in bid specifications.

TAX EXEMPTIONS: The City of Winston-Salem is exempt from Federal Excise Tax but not from State and Local Sales Tax. Sales tax should not be included in bid prices, but may be added as separate items.

EVALUATION AND SELECTION OF BIDS: The evaluation of vendor bids shall center on the match between the stated specifications and other requirements included in the final bid request and the vendor's proposal including selection of the lowest responsible bidder, with consideration of past performance, service record, and reliability. The statutory provisions controlling purchasing by local governments in N. C. (GS 143) includes selection standards for use in making of awards. The provision reads, "All contracts shall be awarded to the lowest responsible, responsive bidder, taking into consideration quality, performance, and the time specified in the bids for the performance of the contract". The City of Winston-Salem reserves the right to accept or reject any or all bids and proposals and further specifically reserves the right to make the award or awards in the best interest of the City of Winston-Salem.

All bids shall be made firm for no less than sixty (60) days.

Proposal Form

Turn Out Gear

Submit proposals to the following location:

US Postal Service address:

or

Hand-delivery or FedEx address:

City/County Purchasing Department

City/County Purchasing Department

Post Office Box 2511

101 N. Main Street, 324 City Hall

Winston-Salem, N. C. 27102

Winston-Salem, N. C. 27101

BIDDERS:

The City of Winston-Salem is seeking bids for **Turn Out Gear per detailed specifications included in this document.**

For any questions or comments regarding this bid please contact TaWanna A. Gates at (336) 747-6938 tawannag@cityofws.org

The Winston-Salem Fire Department would like the option to extend the contract for as many as two additional twelve month periods, beginning in September of each year, ordering up to 150 sets of gear during the contract term year(s). The contract will end in 2019.

ITEM 1

94 ea. Turnout Coats **Each \$** _____

Total for 94
_____ **dollars** _____

We quote number _____ **Mfd. by** _____

ITEM 2

94 ea. Turnout Pants **Each \$** _____

Total for 94
_____ **Dollar** _____

We quote number _____ **Mfd. By** _____

Grand Total Items 1 & 2

\$ _____

All sizes and colors as per specifications. All items will be supplied by one vendor.

General Specifications for Structural Fire Gear

Protective Jacket and Trousers

WSFD Specifications 2017

In Accordance with NFPA 1971 (2013 Edition)

1. PURPOSE AND SCOPE

This specification defines the minimum requirements for structural firefighter personal protective equipment (PPE) providing limited protection as defined by NFPA 1971, *Standard on Protective Ensemble for Structural Fire Fighting*, 2013 Edition. In the absence of comment on a particular point, industry standard practice shall be presumed to prevail. Every exception to specifications must be clearly spelled out at the time of bid.

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

2. CERTIFICATION

The manufacturer must certify that the garments proposed in its bid meet or exceed all requirements of NFPA 1971. The manufacturer must also list and label this product with Underwriters Laboratories Inc. (UL) or Safety Equipment Institute (SEI), as the third party certification organization prescribed in NFPA 1971. All certification testing and test preconditioning must have been performed by an ISO 17025- certified laboratory. UL, SEI or a UL Authorized Client Test Data Program laboratory will fulfill this requirement.

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

3. WARRANTY

The manufacturer must provide a lifetime warranty against defects in materials and workmanship with the bid package. A detailed statement of warranty shall be provided in writing upon submission of bid to include length and materials covered as well as the location of repair facility and the method for submission of repair work. A warranty statement shall be provided with the completed bid, specific to your bid proposal. NO EXCEPTIONS

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

4. TECHNICAL BULLETIN NOTIFICATION

The manufacturer shall notify the City of Winston-Salem Fire Department of any technical bulletins, warnings or product recalls associated with the gear ordered for a period of 10 years from the date of gear manufacturing.

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

5. LABELING REQUIREMENTS

Labels shall be permanently and integrally printed onto breathable materials that meet all the requirements for labels of NFPA 1971. Garment labels shall meet all requirements of NFPA 1971 Flame Resistance Test One (for vertical flame resistance of cloth). The garment shall be clearly labeled to fully identify the material content of all three layers: outer shell, moisture barrier and thermal liner. In addition, each separable layer of garment shall be labeled with the FEMSA-style DANGER label in an obvious location.

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

6. CARE INSTRUCTIONS

The manufacturer shall provide a user information guide for the garments, which complies with user information requirements of NFPA 1971. Topics shall include, but not necessarily be limited to: pre-use information, preparation for use, inspection frequency and details, don/doff, use consistent with NFPA 1500, maintenance and cleaning, and retirement and disposal criteria and considerations.

This document shall be packaged with each garment along with a specification summary sheet describing garment custom options, sizing and production details. This written information shall be in complete compliance with NFPA 1971 requirements, and shall reference same.

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

The Bidder shall provide training to fire department personnel on the proper inspection and maintenance of the proposed turnout gear. The training will be coordinated with the City of Winston-Salem Fire Department and geared towards a select group of employees who will perform annual inspections.

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

7. TRACEABILITY PROGRAM

The manufacturer shall have in place a computer maintained traceability program that provides for the assignment of a production control number to each garment. The traceability program must be capable of tracing the garment through production, from the bolts of cloth used in all three layers of the garment composite construction, to the assignment of the garment to the individual firefighter. This production control number shall be visibly located on the garment label and on other protected areas of garment.

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

8. SIZING

To ensure a proper fit, sizing shall be based on actual measurements taken of the firefighter by a trained measurement specialist, or sizing try-ons, or both. Sizing measurements shall be taken according to a schedule and location(s) mutually agreed between the manufacturer and the department. The vendor shall provide measurement of personnel no longer than 30 days of receipt of order.

Garments shall be available in custom sizing as follows: coat chest in 2-inch (5.1 cm) increments, coat sleeve in 0.5-inch (1.3 cm) increments, coat back length in 1-inch (2.5 cm) increments, pant waist in 2- inch (5.1 cm) increments and pant inseam in 1-inch (2.5 cm) increments. A full range of women’s sizing, on women’s patterns, must also be available. Each sleeve and inseam length shall provide 100% gradation from shoulder to wrist and from hip to ankle, to provide proper fit for individual arm and leg lengths. Pattern tailoring to custom-fit neck, bicep, hip/seat and thigh circumferences must also be\ provided, when needed, at no additional charge. Neither Small-Medium-Large-Extra Large sizing nor women’s garments cut to men’s patterning are considered acceptable, since proper fit facilitates mobility and minimizes stress.

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

9. FLAMMABILITY OF INTEGRAL MATERIALS

Labels, bindings, hang-up loops and production labels shall be tested for flame resistance and shall comply with the requirements of NFPA 1971 Flame Resistance Test One (for vertical flammability of cloth).

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

10. SELF-BINDING

Liner and moisture barrier shall be stitched together and turned, then topstitched, to create a self-binding. The extra bulk of separate binding material is specifically prohibited.

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

11. THREAD

All thread used in structural seams shall be Nomex® of minimum Tex size T-70. Light colored garments and trim areas shall feature yellow thread. Tan or bronze colored garments shall feature tan thread.

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

STITCH METHODS

12. MAJOR A & B SEAMS

Except for the collar Major A seam, which is single-needle lock stitched three times, all Major A & B seams (as defined by NFPA 1971) shall be double stitched, double felled throughout all three layers (outer shell, moisture barrier and thermal liner), and shall be made with Nomex® thread, Tex size T-90. *Stitch Type 401 Double lockstitch, as defined by ASTM D 6193-97. Modified Seam Type LSc-2 Double felled seam, modified only to ensure that both stitch lines penetrate all layers of cloth at joining, otherwise as defined by ASTM D 6193-97.*

Also, all moisture barrier seams shall be tape-sealed to meet all requirements of the NFPA 1971 Liquid Penetration Resistance Test.

Does Your Bid Comply With All Aspects Of This Section?

For Outer Shell: Yes _____ No _____

For Thermal Lining: Yes _____ No _____

For Moisture Barrier: Yes _____ No _____

13. MINOR SEAMS

Most Minor seams, such as storm shields and mated hems, shall also be stitched with the specified Nomex thread. *Stitch Type 301 Lockstitch as defined by ASTM D 6193-97. Seam Type SSae-2 As defined by ASTM D 6193-97.*

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

14. POCKETS

Flat garment pockets shall be stitched with the specified Nomex® thread. *Stitch Type 301 Lockstitch as defined by ASTM D 6193-97. Seam Type LSd-2 As defined by ASTM D 6193-97*

3-Dimensional pocketing shall feature these same construction details, but the reinforced single stitch Seam Type LSd-1 may be substituted for LSd-2.

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

15. TRIM AND DANGER LABELS

Trim and DANGER labels shall be stitched with the specified Nomex® thread. *Stitch Type 301 Lockstitch as defined by ASTM D 6193-97 Seam Type SSbd-1 As defined by ASTM D 6193-97.*

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

16. SINGLE LAYER HEMMING AND FINISHING

Single layer hemming and finishing shall be stitched with the specified Nomex® thread. *Stitch Type 301 Lockstitch as defined by ASTM D 6193-97 Seam Type EFb-1 As defined by ASTM D 6193-97.*

Does Your Bid Comply With All Aspects Of This Section? Yes ___ No ___

17. POCKETS

If exterior pockets are specified in either the COAT CUSTOM OPTIONS TO BE PROVIDED section or in the PANT CUSTOM OPTIONS TO BE PROVIDED section, the following requirements shall apply to all such custom option specified exterior pockets:

All pockets and flaps shall be reinforced at the top corners with bar tack stitching.

All pockets shall be reinforced with an extra layer of NFPA-certified outer shell, moisture barrier, or other NFPA-certified reinforcement material for extra durability. The exact location of the reinforcements shall be identified in the custom options section(s).

All pockets shall have a means to drain water and shall have a means of closure.

All pocket closures shall be made either with hook and loop fastener tape a minimum of 1.5 inches (3.8 cm) wide, with a flap, or with snaps. The specific placement of the closure system shall be declared at the time of order.

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

18. TAILORED GRADING OF GARMENT LININGS

Wherever garment linings are specified, including but not limited to thermal linings and moisture barriers, each such lining layer shall be tailor-graded to fit within the overall garment composite of all layers without causing bunching or binding when the garment is worn.

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

19. POINTS OF STRESS

All points of stress shall be reinforced with sturdy bartacks. Rivets are not acceptable because of their potential for rust and electrical or heat conduction.

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

20. HIGH TEMPERATURE, NFPA 1971-CERTIFIED MATERIAL REINFORCEMENTS

Reinforcements shall be provided at cuffs and pockets and shall meet the requirements of NFPA 1971. For cuff reinforcements only: Manufacturer shall provide cuff reinforcements made of outer shell material at no additional cost. If the purchaser specifies reinforcements made of materials other than outer shell material, the manufacturer shall identify the additional cost for the specified material. For pocket reinforcements only: Any NFPA 1971-certified material may be used in the reinforcement of the pocket. If the purchaser requests specific NFPA 1971-certified materials for pocket reinforcements, the manufacturer shall identify the additional cost for the specified material.

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

21. ASSET TRACKING SERVICES

Upon request, the manufacturer shall be capable of providing a Windows-compatible software program for the tracking of care, cleaning and maintenance of the department's PPE.

This tracking program shall meet or exceed all record-keeping requirements of standard NFPA 1851, *Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles*, 2001 Edition

Labels on each separable part of the garment shall include a standard style interleaved 2 of 5 barcode containing (at a minimum) an individualized serial number for asset tracking purposes. The manufacturer must be capable of providing onsite or internet training to department personnel who are involved with the daily use of this tracking program, and if there is an additional cost involved for this service, the Bidder must disclose those costs at the time of bid.

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

22. HIGH TEMPERATURES THERMAL INSULATING MATERIALS REQUIREMENT

Because thermally stable materials are essential to maximizing protective performance in firefighters' PPE, and because NFPA only states "minimum" performance requirements, all thermal liner or thermal enhancing materials used in the garments shall also meet the following criteria after the 500 degree F forced air oven test:

- 1) Material shall remain intact and flexible
- 2) No portion of the material shall crack, crumble or flake

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

23. BREATHABILITY REQUIREMENT

Excluding where required by NFPA standard, necessary for functionality, or specifically called out in the custom option sections, all materials used in the construction of the garments shall be breathable and all moisture barrier material must be as specified in the following materials section, or must be 7.4oz Glide Gold 2 Layer.

The breathability requirement includes but is not limited to: collar, chinstrap, storm shield, fly, water wells, front coat facings, labels, and reinforcement cushioning where applicable. Areas where non-breathability is allowed (absent Custom Option specifications): trim, hook and loop fastening, hardware or hardware backs, and external pocketing.

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

24. CONDUCTIVE AND COMPRESSIVE HEAT RESISTANCE (CCHR)

Using breathable materials as outlined in the section titled Breathable Materials, there shall be a minimum area of 4" x 4" (10.2 cm x 10.2 cm) at the shoulders and elbows that provide a minimum of 25 CCHR at 2 psi, and a minimum 6" x 6" (15.2 cm x 15.2 cm) area at the knees that provide 25 CCHR at 8 psi. 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 _____

25. SEAM PROTECTION AT CUFFS

At the coat and pant cuff Major A seams, the reflective trim shall stop just before the folding of the full felled seam and for additional abrasion protection be covered by a sewn on, 0.75” (1.91 cm) wide black Nomex webbing material laid on top of the Major A seam and covering each end of the trim.

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

26. APPLICABLE DOCUMENTS

The following standards in their active versions on the date of invitation for bid shall form a part of this specification to the extent specified herein.

- ASTM D 6193-97 Standard Practice for Stitches and Seams
- NFPA 1500, 2013 Edition Standard on Fire Department Occupational Safety and Health Program
- NFPA 1851, 2014 Edition Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles
- NFPA 1971, 2013 Edition Standard on Protective Ensemble for Structural Fire Fighting

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

27. COAT SPECIFICATIONS

To avoid liability and interface problems, coats and pants shall be procured from the same manufacturer.

28. DESIGN CONCEPT (STYLING)

The coat shall be approximately 6 inches (15.2 cm) longer at the rear hem than at the front and provide continuous and unbroken moisture barrier and thermal liner protection from the collar seam to the hem at the bottom of the coat tail. Each coat length shall be determined by each individual’s torso length and the coat-to-pant interface as defined by NFPA 1500. Coat design must interface properly with standard waist high bunker pants.

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

29. PATTERNING CONCEPT

Garments shall feature a tailored three-piece body, one-piece back construction throughout the outershell, moisture barrier and thermal liner layers. One-piece garments (either all layers or some layers) will not be considered acceptable since they cannot be tailored to hard-to-fit personnel. Similarly, garments with seams in mid-back are not considered acceptable because of backbone irritation that can occur with SCBA use. To facilitate individual tailoring needs, the major A & B seams joining the one-piece back to the right and the left front body panels (outer shell and all interior layers) shall be located at the most lateral position when the coat is laid flat for inspection.

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

30. LINER ATTACHMENT

The completed liner-moisture barrier assembly shall attach by means of four (4) evenly spaced glove snaps to each outer shell front facing to reduce weight, bulk and stiffness. To provide continuous moisture and pathogen protection at the front, the liner shall be positioned so it is sandwiched between the coat front facing and a breathable pathogen shield. The use of zippers or hook and loop fasteners in this area is not allowed due to their added weight, bulk and stiffness.

Liner sleeves shall be attached at the outer shell cuff by means of snaps on two (2) sets of outer shell fabric tabbing strips per cuff. These snaps shall be isolated by the tabbing material so that they will not abrade against the outer shell.

To provide continuous moisture protection and pathogen protection at the neck, the liner shall be positioned so that it is sandwiched between an outer-facing pathogen shield and an inside facing of the specified outer shell material, both folded over and sewn in at the neck seam.

The liner system design shall not allow products of combustion or other contaminants to move into the liner interior between the moisture barrier and thermal liner. For instance, separately hemmed and bartacked liner and moisture barrier with open edge designs would not be acceptable.

Attachment shall be by means of four glove straps that penetrate only the layer of the attachment facing towards the liner, so that metal contact at a wearer's neckline is completely eliminated.

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

31. COMPOSITE MATERIALS

The specifier has determined the ONLY acceptable combination of materials. Any substitution of materials shall be grounds for immediate disqualification of bid without further consideration.

32. OUTER SHELL

7.0 osy.; PBI Max;

33. THERMAL LINING

7.4 osy. Glide Gold 2 Layer

34. MOISTURE BARRIER

5.5 osy. Stedair 4000

Does Your Bid Comply With All Aspects Of This Section?

For Outer Shell: Yes _____ No _____

For Thermal Lining: Yes _____ No _____

For Moisture Barrier: Yes _____ No _____

35. Front Coat Closure

Closure shall be the New York Style Design.

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

36. COLLAR

The collar shall be of layered construction, consisting of a layer of waterproof moisture barrier and a layer of NFPA 1971-certified insulating material, sandwiched between two (2) layers of specified outer shell material. NFPA compliant collars shall be at least 3 inches (7.6 cm) high while CGSB compliant collars shall be at least 4 inches (10.2 cm) high. The design shall incorporate in its patterning a natural contour that will allow proper fit and performance in the standing (upright) or stowed position. There shall be no vertical or horizontal seams or stitching in the body of the collar. Left outside of collar shall have a sewn piece of 2-inch x 2-inch (5.0-cm x 5.0-cm) hook and loop fastener hook tape for chinstrap-to-collar closure with snap placed in center of hook and loop. Each collar shall be graded to individual coat sizes.

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

37. CHIN STRAP

The chinstrap shall be of layered construction identical to that of the collar configuration described in the previous paragraphs. Chinstrap shall be of a crescent shaped design with minimum dimensions of, + or – 0.50 inch (1.2 cm): 9 inches (22.5 cm) long across the top corners, 10.5 inches (26 cm) long across the bottom corners, and 3.5 inches (8.75 cm) in vertical height, measured at the center. The leading underside edge of the chinstrap shall have a 1.5-inch-wide (3.8 cm-wide) horizontal strip of hook and loop fastener pile to ensure closure and to ensure passage of the Whole Garment Liquid Penetration Test.

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

38. HANG-UP LOOP

An 80-pound (36.3 kg) tear strength hang-up loop shall be provided at the interior collar seam. The loop shall be constructed of triple layers of the specified outer shell material, lock stitched to the coat. Webbing is not acceptable.

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

39. SLEEVES

To prevent stove piping, sleeves shall be individually graded by coat size and sleeve length. For maximum freedom, sleeve design shall feature extra full cut one-piece outer shell set-in sleeves with built-in bellows. To reduce the chances of possible top seam failure in that high thermal exposure area, the sleeve Major A seam shall follow the underside of the arm and shall not cross over the outside of the elbow joint. Sleeve seam and sleeve attachment to coat body in all layers shall be 100% double feld and double stitched for maximum strength (that is, Major A seam requirement, as previously defined in this specification).

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

40. INNER WRISTLET & WATERWELL

Every coat shall feature 4.5-inch (11.4-cm) long, double-layer 100% Nomex knit inner wristlets protected by a flame-resistant and moisture-resistant waterwell. The inner wristlet shall be sewn to the thermal liner sleeve end (not to the outer shell). A specified moisture barrier waterwell with an elastic gather shall be sewn to the moisture barrier sleeve end with all seams sealed to allow maximum channeling of water away from inside the moisture barrier/ thermal liner sleeve end. This waterwell must pass the NFPA 1971 Whole Garment Liquid Penetration Test. The thermal liner/wristlet shall be bar tacked and seam sealed at the junction of the moisture barrier sleeve to waterwell seam to prevent liner pullout. This inner waterwell assembly shall be interface capable with the appropriate glove to provide wrist protection during the NFPA 1971 Whole Garment Liquid Penetration Test.

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

41. EXTERNAL WRISTLET

Every coat shall feature a 2.5-inch (6.4 cm) long 100% Nomex knit outer wristlet, which shall be mounted to the end of each outer shell sleeve to prevent liquid and debris movement up the sleeve between the outer shell and the moisture barrier/ thermal liner assembly.

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

42. DRAG RESCUE DEVICE (DRD)

Manufacturer shall supply an NFPA required and certified Drag Rescue Device with each coat. The device shall be designed to fit each individual chest size. Each strap will be properly labeled with DANGER labels that include what chest size the Rescue Strap is designed to fit along with instructions for care and installation/removal of the Rescue Strap.

Rescue Strap shall be designed in a fashion that it functionally provides a dynamic and articulated action and to eliminate excess strapping material hanging down the back when installed between the garment's liner and outer shell.

The device shall be constructed using two components: a 1.75" (4.45 cm) Kevlar webbing grab handle; and a free-floating loop of Kevlar rope to go around each of the wearer's arms/shoulder. The grab handle shall be positioned at the rear of the upper torso and through the grab handle.

The grab loop shall extend upward and pass through a reinforced slot in the coat outer shell just below the center rear of the collar seam where it will exit the outer shell where it will be covered by an outer shell tunnel. The protruding grab loop shall then fold back down over the top of the tunnel and stowed by hook and loop with the pile sewn for the width of the tunnel and the hook sewn on the grab loop. There shall then be an outer shell flap sewn below the collar that will fold down over the stored grab loop and held in place with hook and loop to reduce the chances of snagging the grab loop by accident. There shall be 2" orange scotchlite trim on outer shell flap.

To facilitate comfort and safety the Grab Handle shall be constructed of soft and pliable Kevlar webbing meeting the following specifications:

Description 100% Kevlar Double Plain Weave - Gold with Natural Kevlar Center
Warp Yarn 1500/1000/2.75z Kevlar T-970F Gold
1500/1000/2.75z Kevlar T-961 Natural
Weft Yarn 1500/1000/2.75z Kevlar T-970F Gold
Catch cord Tex size T-50 3-Ply/9.5z Bonded Kevlar Sewing Thread Gold
Width 1.75" (4.45 dm)
Thickness 0.064" ± 0.010" (.163 cm ± .0254 cm)
Tensile 5,000 lb minimum (22.24 kN)

To facilitate comfort and safety the free-floating loop shall be constructed of soft and pliable Kevlar rope meeting the following specifications:

Description 100% Kevlar Tubular Plain Weave - Natural

Warp Yarn 1500/1000/2.75z Kevlar T-961 Natural

Weft Yarn 1500/1000/2.75z Kevlar T-961 Natural

Catch cord Tex size T-35 Crispin Kevlar thread

Width .038" (.097 cm)

Thickness 0.144" ± 0.005" (.366 cm ± .013 cm)

Tensile 3500 lb minimum (15.57 kN)

Rescue Strap shall be sewn with Kevlar thread with a minimum Tex size T-210

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

43. COAT CUSTOM OPTIONS TO BE PROVIDED

Instructions in this custom options section that contradict earlier specifications or statements supersede those earlier specifications or statements as long as the required certifications are not compromised.

- Trim shall be NEW YORK- lime 2-tone Scotchlite(3") Trim- double stitched
- Back Patch – PBI Max- Gold- 1-2" sewn letter lime scotchlite <Winston-Salem>
- Hook and Loop Name Panel with snaps on corners inside hook and loop on hem patch (1st initial, last name) 3" when able okay to use 2" letters to fit- lime scotchlite.
- Extended Dead Air Panels
- Large Reverse Hook on patch placed on right chest with gold PBI Max flashlight strap to accommodate a streamlight survivor. Place 3" from shield- nose of hook to be 4" above chest trim
- Kevlar lined Half Hi Bellows Pockets- PBI Max-Gold-7"x9"x.1.5"-place as close to shield as possible
- Hand warmers placed behind Bellows Pockets
- Mic Tab-PBI Max- Gold-right chest-0.5"x2.5"-1" below shoulder seam
- Mic Tab-PBI Max- Gold-left chest-0.5"x2.5"- 1" below shoulder seam
- Mic Tab- PBI Max- Gold- on shield(storm flap)- place 5" below top of shield
- Radio Pocket-PBI Max- Gold-left chest-8x3x2-notch flap right and left snap shall be placed in middle of hook and loop.
- Snap tabs at bottoms, sides, and back to hold inner liner to outer shell
- EZ Grip Flaps on Bellows Pockets

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

44. PANT SPECIFICATIONS

To avoid liability and interface problems, coats and pants shall be procured from the same manufacturer.

45. DESIGN CONCEPT (STYLING)

The pant shall be of a traditional waist-high-only design to facilitate full torso ventilation of front, rear and sides of trunk for maximum body cooling effect to help minimize firefighter heat stress. For this reason, other than waist-high pants shall not be considered acceptable or “equal,” since additional trunk wrapping traps heat and moisture, increasing heat stress buildup while also creating mechanical resistance when covering the natural torso flexion point of the waist.

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

46. PATTERNING CONCEPT

Garments shall feature a tailored four-piece outer shell with a two-piece moisture barrier and lining. A pant with a four-piece moisture barrier and thermal liner shall be provided, at no additional charge, when and if an individual’s tailoring needs require it.

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

47. PATTERNING REQUIREMENTS

To assure maximum freedom of movement and reduced kinetic resistance with minimum garment weight and bulk, the pants patterning shall:

- incorporate hydraulic, swivel action leg-to-torso interfaces.
- incorporate an oversized diamond-shaped crotch insert, graded according to size, for maximum action stride, optimum stepping reach and no “in-crotch” seaming.
- meet individual tailoring needs, and offer superior functionality. Diamond shall extend from just above the left knee to just above the right knee, and be centered equally from front to rear. Width of diamond at top of crotch shall be approximately 4 inches (10.2 cm), graded to size.
- ensure that pants rest in normal body line balance of 22 inches (55.9 cm) center distance at the cuff.

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

48. REINFORCED CUSHIONED KNEE

The cushioning for the Knee reinforcement if required, and the thermal pad sewn to the internal side of the thermal liner assembly, shall provide a minimum of 25 CCHR and be comprised of breathable, fiber based materials.

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

49. LINER ATTACHMENT

The moisture barrier and thermal liner assembly shall be attached to the outer shell at the cuff by means of two (2) Nomex® webbing snap assemblies per leg, and to the waistband, at the waist, with seven (7) evenly-spaced glove snaps. The liner system design shall not allow products of combustion or other contaminants to move into the liner interior between the moisture barrier and thermal liner. For instance, separately hemmed and bartacked liner and moisture barrier with open edge designs would not be acceptable.

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

50. PANT CERTIFICATION LABEL ON LINER

The pant certification label on the liner shall be integrally printed on FR Cotton Indura and lock stitched to the inner left hip area.

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

51. FLY FRONT

The outer shell fly shall be lock stitched to the left side of the front opening and shall be in proportion to waist size and crotch rise in both length and width. Fly inner lining shall extend at least 2 inches (5.1 cm) to the left of the outer shell fly attachment seam and shall be constructed of certified breathable moisture barrier and thermal liner. The right front pant opening shall have an internal facing extending at least 2 inches (5.1 cm) to the right and constructed of specified fabric. In combination with the liner, the system shall offer 360-degree protection without gaps during movement of the outer shell moisture barrier and thermal liner. Closure shall be by means of a minimum 1.5-inch-wide (3.8-cm-wide) hook and loop fastener, and all construction techniques used shall provide liquid penetration protection under the NFPA 1971 Whole Garment Liquid Penetration Test. The fly shall be graded to the waist size of garments and crotch rise.

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

52. COMPOSITE MATERIALS

The specifier has determined the ONLY acceptable combination of materials. Any substitution of materials shall be grounds for immediate disqualification of bid without further consideration.

53. OUTER SHELL

7.0 osy.; PBI Max;

54. THERMAL LINING

7.4 osy. Glide Gold 2 Layer

55. MOISTURE BARRIER

5.5 osy. Stedair 4000

Does Your Bid Comply With All Aspects Of This Section?

For Outer Shell: Yes _____ No _____

For Thermal Lining: Yes _____ No _____

For Moisture Barrier: Yes _____ No _____

56. PANT CUSTOM OPTIONS TO BE PROVIDED

Instructions in this custom options section that contradict earlier specifications or statements supersede those earlier specifications or statements as long as the required certifications are not compromised.

- Trim-NFPA-Lime 2-tone scotchlite(3")-trim double stitched
- Wide Fly-1.5" hook and look with Hook and Dee
- Angled cuffs-PBI Max- Gold
- Pant Cuffs shall be reinforced with Ara-shield material or equivalent material.
- X-Large Bellows Pockets- PBI Max- Gold-10x10x2-Full Kevlar Lined
- Reinforced Knees with Ara-shield padding or equivalent material.
- Snap Style suspender attachment
- Harness Pants NY Style-No Harness*
- FDNY Harness tabs with hook and look with snap inlayed at lower portion of tab*
- Quick Attach Belt shall accompany pants and be proper sized*
- Suspenders with snap attach and quick adjust installed
- EZ Grip Flaps on Bellows Pockets

***The Bidder shall provide a price for the pants with the harness and belt feature and without the harness and belt feature.**

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

The undersigned bidder hereby declares that they have carefully examined the specifications contained herein and will provide all labor, materials, equipment, supervision, and insurance applicable to perform the service in accordance with the specifications and the requirements under the following sum to wit:

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 Number

Authorized Signature

Witness

Typed Name and Title

Federal Identification #

Address, (P.O. Box or Street) City, State, Zip

E-Mail 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)

SEAL

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

Notary Public _____ My commission expires _____

The following information is requested for statistical purposes only. Provisions or omission of this information will NOT affect the award of this contract.

Bidder certifies that:

- A) Yes, we are a woman-owned business
 No, we are not a woman-owned business
-

- B) Yes, we are a minority-owned business
 No, we are not a minority-owned business

If yes, please identify in appropriate box below:

- Black
 Hispanic
 Native American Indian
 Asian American, including Indian Subcontinent/Pacific Islands
 Socially and Economically Disadvantaged
 Disabled



Winston-Salem

NO BID / PROPOSAL INFORMATION FORM

Bid No. _____

Bid Description: _____

If your firm elects not to submit a proposal, please complete and email this form to:

Name: _____

Title: _____

Email: _____

Please check all that apply:

Cannot provide the product(s) or services required

Cannot be competitive

Cannot meet specifications described in attached bid

Cannot provide insurance required

Cannot provide bonding required

Cannot comply with indemnification requirements

Job too large

Job too small

Do not wish to do business with the City of Winston-Salem

Company's current workload does not allow for additional work

Other Reason:

Company Name: _____

Agent Name: _____

Office Phone: _____

Email: _____