

NOTICE

Thank you for your inquiry regarding the City of Portage project listed below:

FIRE DEPARTMENT PERSONAL PROTECTIVE EQUIPMENT

If your firm plans to bid on this project, please send an e-mail response to purchasing@portagemi.gov with the following information:

Firm Name: _____

Project Name: _____

Firm's Contact Person: _____

Telephone Number: _____

Fax Number: _____

E-Mail Address: _____

Postal Address: _____

The City of Portage Purchasing Division will use this information to communicate with you in the event an addendum or change to this project is issued. If you do not send this information to the City of Portage, you will not receive any follow-up notification of any changes to the project.

Date of Issue: June 5, 2015

NOTICE TO BIDDERS

The City of Portage will open sealed bids on Thursday, June 25, 2015 at 3:00 p.m. prevailing local time in City Hall Conference Room #1 at 7900 South Westnedge Avenue for:

Protective Clothing for Structural Firefighting

You are invited to submit a bid for this project. Sealed bids may be mailed or delivered to the CITY OF PORTAGE, PURCHASING DEPARTMENT, 7900 South Westnedge Avenue, Portage, MI 49002. Envelopes should be plainly marked:

SEALED BID: Protective Clothing for Structural Firefighting

FOR OPENING: June 25, 2015

General specifications, description and conditions upon which the bid proposal is to be based are available at the City of Portage website www.portagemi.gov/government. Bid packages will also be mailed upon request.

The City reserves the right to reject any or all bids, to waive any irregularities, and further reserves the right to accept any bid or parts of bids which it deems to best serve the interest of the City.

Please contact Assistant Fire Chief Stacy French at (269) 329-4482 if you have questions regarding the technical specifications. If you have any questions regarding purchasing procedures, please contact the Purchasing Manager Judy Johnson at (269) 324-9284.

1. INSTRUCTIONS TO BIDDERS

1.1. Examination of Bid Documents

Before submitting a proposal, bidders shall carefully examine the specifications and shall fully inform themselves as to all existing conditions and limitations and shall indicate in the proposal the sum to cover the cost of all items included on the bid form.

1.2. Withdrawal of Bids

Any bidder may withdraw his proposal, either personally or by facsimile or written request, at any time prior to the scheduled closing time for receipt of proposals.

Each proposal shall be considered binding and in effect for a period of ninety (90) days after the date of opening set forth in the advertisement.

1.3. Bid Opening

Bids will be opened and publicly read aloud at the time and place set forth in the Notice to Bidders.

1.4. Interpretation of Documents

If any person contemplating submitting a Proposal is in doubt as to the true meaning of any part of any drawing or specification, he may submit to the Purchasing Agent a written request for an interpretation or correction thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation or correction of the documents will be made only by Addendum duly issued and a copy of the Addendum will be mailed or delivered to each person on record as receiving a set of the Contract Document. Neither the City nor the Purchasing Agent will be responsible for any other explanations or interpretations of the Contract Documents.

1.5. Bid Form

1.5.1. Each bid shall be made on the form provided and, except for bids submitted via facsimile equipment, shall be submitted in a sealed envelope bearing the title of work and the name of the bidder, and shall be signed by an individual authorized to execute the proposal on behalf of the bidder.

1.5.2. Delivery of Proposals: Proposals shall be delivered by the time and to the place stipulated in the advertisement. It is the sole responsibility of the bidder to see that his bid is received in the proper time. Any bid received after the bid opening date and time shall be returned to the bidder unopened.

1.6. Bids Submitted via Facsimile Equipment

1.6.1. Transmittal page must be plainly marked and faxed to (269) 329-4535:

“Sealed Bid _____ for opening _____”
Bid Name Date

1.6.2. When bids are submitted via facsimile equipment, both the original document and the facsimile printout are counterpart originals.

1.6.3. Whenever a proposal guaranty/bond is required, bids submitted via facsimile equipment can comply with this provision by submitting a facsimile copy of the bond document. When a cashier’s check is elected to meet the proposal guaranty/bond requirement, the cashier’s check must be physically in the possession of the City by the date and time outlined on the Notice to Bidders, or such bid may be considered non-responsive.

1.6.4. In electing to use the facsimile option, the bidder assumes full responsibility for any and all errors, omissions, or mistakes that result in a bid not being submitted **in a timely manner, whether or not the mistake was the fault of the bidder.**

1.7. PROPOSAL GUARANTEE -- Each proposal shall be accompanied by a certified check or bid bond acceptable to the City in an amount equal to at least five percent (5%) of the proposal, payable without condition to the City as a guaranty that the bidder, if awarded the Contract, will promptly execute the Agreement in accordance with the proposal and the other contract documents, and will furnish good and sufficient bond for the faithful performance of the same, and for the payment to all persons supplying labor and material for the work. Bids that do not include a certified check or bid bond will be considered non-responsive and will be rejected. Company or personal checks will not be accepted as substitute for a certified check or bid bond. Bids offering personal or company checks in lieu of a certified check or bid bond will be considered non-responsive and will be rejected. The Proposal Guarantees of all Bidders, except the three lowest, will be returned promptly after the canvass of Proposals.

1.8. Basis of Award

Award will be made to a responsive and responsible bidder whose lowest Base Bid Total Initial Purchase is determined by the City to be in the best interest of the City. Each proposal shall have the unit prices and extensions checked for correctness. If discrepancies appear between the unit prices and extensions submitted, the unit price submitted for the particular pay item shall govern, and the dollar amount of the proposal adjusted accordingly. The estimated quantities of items of unit price work are not guaranteed and are solely for the purpose of comparison of bids and determining an initial contract price.

1.9. Responsive Bids

At a minimum, responsive bids shall include at least the following:

- An Equipment Specification Sheet in the format provided in the Request for Proposal package.
- Bid proposal form provided. Bid will be for a firm one year price, with price for additional or replacement pants and coats for a total of four additional years.
- Proposal Guarantee per paragraph 1.7.

2. **TERMS AND CONDITIONS**

2.1. City Contract Administrator

The Deputy Fire Chief, John Podgorski, shall be the City Contract Administrator. The City Contract Administrator will approve payments, oversee schedules, and generally be responsible for overseeing the execution of the contract.

2.2. Laws and Municipal Ordinances

The Contractor shall be fully informed of all laws and municipal ordinances and regulation sin any manner affecting those engaged or employed in the work, or the equipment and materials used in the work, and all orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. The Contractor shall at all items observe and comply with all such existing laws, codes, ordinances, regulations, orders and decrees. In particular, all work shall be in compliance with the Laws of the State of Michigan, City Ordinances, as well as all other bodies having jurisdictional authority.

2.3. Foreign/Out-of-State Contractor

If the corporation is not a Michigan corporation, then a “Certificate of Authority to Transact Business in the State of Michigan” must be provided by the successful bidder.

2.4. Contractor’s Insurance

Proof of Insurance Coverage: The successful bidder will also be required to furnish to the City of Portage, at the time that the contracts are returned by the Contractor for execution, a Certificate of Insurance as well as any required endorsements. In lieu of required endorsements a copy of the policy sections where coverage is provided for additional insured and cancellation notice would be acceptable. Copies or certified copies of all policies mentioned below shall be furnished, if so requested.

If any of the coverages listed below expire during the term of this contract, the Contractor shall deliver renewal certificates and endorsements to the City of Portage at least ten (10) days prior to the expiration date.

All insurers shall be either licensed or authorized to do business in the State of Michigan.

- A. Workers compensation insurance, including employer's liability, under the Workers Compensation Statutes of the State of Michigan.
- B. Comprehensive General Liability Policy of at least \$1,000,000/occurrence for personal injury and property damage.
- C. Comprehensive Automobile Liability Policy of at least \$1,000,000 for bodily injury and property damage on any automobile

Additional Insured: These coverages shall protect the contractor, its employees, agents, representatives and subcontractors against the claims arising out of the work performed. The contractor's insurance policy shall be primary for the additional insured, and not excess over any policy held by the additional insured. The certificate of insurance must contain the following statement:

THE CITY OF PORTAGE, ALL ELECTED AND APPOINTED OFFICIALS, ALL EMPLOYEES AND VOLUNTEERS, ALL BOARDS, COMMISSION, AND/OR AUTHORITIES AND BOARD MEMBERS, INCLUDING EMPLOYEES AND VOLUNTEERS THEREOF (except for Workers Compensation).

Cancellation Notice All policies, as described above, shall include an endorsement stating it is understood and agreed that thirty (30) days Advanced Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change of the policy, and Ten (10) days written notice for non-payment of premium, shall be sent to the City of Portage Purchasing Manager, 7900 S. Westnedge Avenue, Portage, MI 49002.

Subcontractor Insurance: It shall be the contractor's responsibility to provide similar insurance for each subcontractor, or to provide evidence that each subcontractor carries his own insurance in like amounts, prior to the time such subcontractor proceeds to perform under the contract.

2.5. Non-Discrimination

The Contractor agrees to comply with the Federal Civil Rights Act of 1964 as amended; the Federal Civil Rights Act of 1991 as amended; the Americans With Disabilities Act of 1990 as amended; the Elliott-Larsen Civil Rights Act, Article 2, Act no. 453, Public Act of 1976 as amended; the Michigan Handicapper's Civil Rights Act, Article 2, Act. No. 220; Public Act of 1976, as amended and all other applicable Federal, State and Local laws and regulations. Specifically, contractors and subcontractors are required not to discriminate against any employee or applicant for employment with respect to such person's hire, tenure, terms,

conditions, or privileges of employment, or any matter directly or indirectly related to employment because of such person's height, weight, race, color, religion, national origin, ancestry, age, marital status, sex or disability, as defined by law. Breach of this covenant may be regarded as a material breach of the contract.

The City of Portage in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of gender, disability, race, color or national origin in consideration for an award.

2.6. Indemnification

To the fullest extent permitted by Laws and Regulations, the Contractor shall indemnify and hold harmless the City and its officers, directors, employees, agents and consultants from and against all claims, costs, losses and damages (including but not limited to all fees and charges of engineers, architects, attorneys and other professionals and all court or arbitration or other dispute resolution costs) caused by, arising out of or resulting from the performance of the Work or from the failure to comply with any covenant or term of the contract, provided that any such claim, cost, loss or damage: (i) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), including the loss of use resulting therefrom or (ii) is caused in whole or in part by any act or omission of the Contractor, any Subcontractor, any Supplier, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, regardless of whether or not caused in part by any act or omission of a person or entity indemnified hereunder or whether liability is imposed upon such indemnified party by Laws and Regulations regardless of the negligence of any such person or entity.

In any and all claims against the City or any consultants, agents, officers, directors or employees of the City by any employee (or the survivor or personal representative of such employee) of the Contractor, any Subcontractor, any Supplier, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation above shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any such Subcontractor, Supplier or other person or organization under workers' compensation Acts, disability benefit Acts or other employee benefit Acts.

Insurance coverage required by the contractor constitutes the minimum requirements and those requirements shall in no way lessen or limit the liability of the contractor under the terms of the contract. The contractor shall procure and maintain at

contractor's own cost and expense any additional claims or amounts of insurance that, in the judgment of the City, may be necessary for contractor's proper protection in the prosecution of the work.

2.7. Jurisdiction Authority

This contract shall be governed by and construed according to the laws of the State of Michigan and the successful Contractor consents to the jurisdiction and venue of the courts in Kalamazoo County, Michigan and of the United States District Court for the State of Michigan.

2.8. Severability

The successful Contractor will agree that the Contract is the completed and exclusive statement of the Contract between the parties. A judicial or administrative declaration on the invalidity of any one or more of the provisions of the Contract shall not invalidate the remaining provisions of this agreement.

2.9. Compensation to be Paid to the Contractor

Payment will be made upon satisfactory completion of the work, net 30 days.

3. SPECIFICATIONS

- 3.1. Scope: This specification defines the minimum requirements for bloodborne pathogen resistant (BPR) firefighter personal protective equipment (PPE) to provide limited protection to fire fighters against adverse environmental effects during structural fire fighting operations and certain other emergency operations where there is a threat of fire or where certain physical hazards are likely to be encountered, such as during non-fire-related rescue operations, emergency medical operations, and victim extraction, as defined by NFPA 1971, *Standard on Protective Ensemble for Structural Fire Fighting*, 2013 Edition (hereinafter referred to as NFPA 1971, except in the Applicable Documents section). In the absence of comment on a particular point, industry standard practice shall be presumed to prevail. Workmanship and material shall be first quality throughout. All exceptions to specifications must be clearly spelled out at the time of bid. In the absence of comment to a specific point, the bidder is required to furnish a wholly compliant garment. Taking a blanket exception shall not be acceptable.

3.2. Manufacturer/Model:

Bidders are to provide prices on Morning Pride Pant and Coat Model LTO34I3. No substitutions will be considered.

Refer to the Honeywell First Responder Products Clothing Specification Quotes for product descriptions of pants and coats

3.3. Equipment Specification Sheet

Bidders are to complete the Equipment Specification Sheet and return with the bid proposal.

3.4. Sample Coat and Pant

The City may require a sample pant and coat for inspection before award of the contract.

3.5. Contract Period

Bidder to hold price firm for calendar year 2015. Price for replacement/additional purchases in calendar years 2016, 2017, 2018, and 2019 are to be included in the bid.

3.6. Sizing/Fitting

To ensure a perfect 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 contractor and the contract administrator. Improper fitting of PPE will not be accepted. Any alterations as a result of improper fitting must be performed by the manufacturer or manufacturer's certified representative.

3.7. Delivery

Delivery will be FOB City of Portage Fire Station #1, 7830 Shaver Road, Portage, Michigan. Delivery will be made within 60 days of receipt of a purchase order.

3.8. Quantity

Initial purchase is anticipated to be 10 sets of personal protective equipment. Actual quantity is not guaranteed and may be reduced due to available funding.

**Honeywell First Responder Products
Clothing Specification Quote**

Expires	next price increase	Fire Dept.	Portage Fire Dept
Freight	Will be your responsibility		MIPORT
Delivery	SEE TONE	Dealer	Douglass Safety Systems DOUGLA

Specid MIPORT00048 Spec Date 04/20/2015 Quote # 5062MIPORT

To assure you receive this special pricing, the above quote number must appear on all orders referenced to same.
Any additions or deviations from original quote must be on order and are subject to additional cost.

LTO-34I3 Tail Black

LTOTOS34B	LTO Tail Outer Shell -7.2 osy Advance - Black
LTOTTLI	LTO Tail Thermal Liner -7.1 osy Synergy II 2 Layer
LTOTMB3	LTO Tail Moisture Barrier -4.7 osy Type 2F Crosstech Black
CFCCS-34B	Std -Coat Cuffs
IPLC	Std -Inspection Port Liner
LNDC-34B	Std -Liner Detachable
LNSETTE	Std -SET Thermal Enhancement
PKTLSTD	Std -Liner Label Pocket
SATUPST-34B	Std -Take Up Straps - 2 Postman
RS-RRSAC	Std-Articulating Rapid Rescue Strap
TRC304M-TL	Trim -(4) NEW YORK -lime 2-tone Scotchlite (3")
LTBACK-34B	Back Patch - Advance - Black <PORTAGE>
LT3S07-SL	7 -3" sewn letters -lime Scotchlite
LTHEMV-34B	Hem Patch w/Velcro - Advance - Black FF LAST NAME (1st INITIAL when specified) - avg. 7 letters - OK to use 2" letters to fit
LT3S07-SL	7 -3" sewn letters -lime Scotchlite
CLZV1-34B	1.5" Velero/Zipper Coat Closure
CL-TA	pull tab - Arashield - Black
CCLTO-34B	LTO Comfort Chinstrap
CCBLK	Black Knit Material on Comfort Chinstrap
LNDAPC	Dead Air Panels
PKHBLN-34B	Half Hi Bellows Pockets - Advance - Black -- 6" x 9" x 1.5"

This quote, which received special pricing in consideration for services you as a dealer provided, cannot be used to offer pricing to any Federal Agency US Military branch, the National Guard or the Coast Guard. If you receive inquiries from such agencies, please contact your inside customer service representative. Additionally, these prices cannot be used to bid on specs developed by other dealers. Finally, since this special pricing was developed in response to services provided by you for your direct customer, it cannot be used to provide prices to other companies whose purpose would be to re-sell the products.

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**Honeywell First Responder Products
Clothing Specification Quote**

Expires	next price increase	Fire Dept.	Portage Fire Dept
Freight	Will be your responsibility		MIPORT
Delivery	SEE TONE	Dealer	Douglass Safety Systems DOUGLA
Specid	MIPORT00048	Spec Date	04/20/2015
		Quote #	5062MIPORT

To assure you receive this special pricing, the above quote number must appear on all orders referenced to same.
Any additions or deviations from original quote must be on order and are subject to additional cost.

LTO-34I3 Tail Black	
PKBLC-V1	3 Vertical Strips Velcro on Flap/Full Velcro on Pocket
PKRCF-KV	Lined with Kevlar
PKMT-34B	Mic Tab - Advance - Black -- right chest -- 0.5" x 2.5" place 3" above radio pocket
PKRCPTVS-34B	Large Hook on a Patch w/Velcro Strap -- left chest
PKRD-34B	Radio Pocket - Advance - Black -- right chest -- 7 x 3 x 2
PKRD-FN2	Notch Flap - Double Notches (both left & right)
WWSTLN-BLACK	Sub Wristlets -Long with tabs -Nomex - black

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**Honeywell First Responder Products
Clothing Specification Quote**

Expires	next price increase	Fire Dept.	Portage Fire Dept
Freight	Will be your responsibility		MIPORT
Delivery	SEE TONE	Dealer	Douglass Safety Systems DOUGLA

Specid MIPORT00049 **Spec Date** 04/20/2015 **Quote #** 5062MIPORT

To assure you receive this special pricing, the above quote number must appear on all orders referenced to same.
Any additions or deviations from original quote must be on order and are subject to additional cost.

LTO-34I3 Pants Black

LTOPOS34B	LTO Pant Outer Shell -7.2 osy Advance - Black
LTOPTLI	LTO Pant Thermal Liner -7.1 osy Synergy II 2 Layer
LTOPMB3	LTO Pant Moisture Barrier -4.7 osy Type 2F Crosstech Black
IPLP	Std -Inspection Port Liner
LNDP	Std -Liner Detachable
TRP307M-TL	Trim -(7) NFPA -lime 2-tone Scotchlite (3")
CLWFV1-34B	Wide Fly - 1.5" Velcro w/Hook & Dee
CL-FH00	1 Snap on fly -middle center
CFAN-34B	Angled Cuffs - Advance - Black
KNBF-34B	BiFlex Heat Channel Knees - Advance - Black
KNBFH-ARB	Horizontal Strips in BiFlex knees to be Arashield - Black
SATUP2-34B	Take Up Straps - 2 Postman - Advance - Black
PKBLP-34B	Bellows Pockets - Advance - Black -- 9" x 9" x 1.5"
PKBLP-V1	3 Vertical Strips Velcro on Flap/Full on Pocket
PKGFP-34B	E Z Grip Flaps - Advance - Black
PKDIV-KEV	Bellows Pocket Divider -Kevlar Divider right bellows pockets 5.5" from front
PKDIV-KEV	Bellows Pocket Divider -Kevlar Divide left bellows pockets 5.5" from front
PKRPF-KV	Lined with Kevlar
PKHP-34B	Hip Pocket (1) - Advance - Black -- right rear
OPSSA	Snap Style Suspender Attachment
SPDFSQI	Dyna-Fit Suspenders w/ Snap Attach & Quick Adjust Installed

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***Honeywell First Responder Products
Clothing Specification Quote***

Expires	next price increase	Fire Dept.	Portage Fire Dept		
Freight	Will be your responsibility		MIPORT		
Delivery	SEE TONE	Dealer	Douglass Safety Systems		
			DOUGLA		
Specid	MIPORT00049	Spec Date	04/20/2015	Quote #	5062MIPORT
<small>To assure you receive this special pricing, the above quote number must appear on all orders referenced to same. Any additions or deviations from original quote must be on order and are subject to additional cost.</small>					

LTO-3413 Pants Black

SPP	Suspender Padding
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**EQUIPMENT SPECIFICATION SHEET
(RETURN WITH BID)
PORTAGE FIRE DEPT**

**PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTING
MORNING PRIDE COAT LTO
MORNING PRIDE PANT BPR**

Each "No" answer requires a full written explanation.
Each "Yes/No" question not checked where provided will be considered a "No" answer.

1 PURPOSE AND SCOPE

This specification defines the minimum requirements for bloodborne pathogen resistant (BPR) firefighter personal protective equipment (PPE) to provide limited protection to fire fighters against adverse environmental effects during structural fire fighting operations and certain other emergency operations where there is a threat of fire or where certain physical hazards are likely to be encountered, such as during non-fire-related rescue operations, emergency medical operations, and victim extraction, as defined by NFPA 1971, *Standard on Protective Ensemble for Structural Fire Fighting*, 2013 Edition (hereinafter referred to as NFPA 1971, except in the Applicable Documents section). In the absence of comment on a particular point, industry standard practice shall be presumed to prevail. Workmanship and material shall be first quality throughout. All exceptions to specifications must be clearly spelled out at the time of bid. In the absence of comment to a specific point, the bidder is required to furnish a wholly compliant garment. Taking a blanket exception shall not be acceptable.

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

2 UNITS OF MEASURE

Current NFPA standards applicable to this product specification express values for measurement requirements in SI (metric-based) units, followed by US (inch-pound) approximate equivalents in parentheses. For the convenience of the fire department, this product specification *reverses the order* and presents the more familiar US approximation first, followed by the SI requirement in parentheses.

3 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.

Certification shall include, by definition, the scope of protection as follows: Coat shall provide limited protection resistance to bloodborne pathogens to the upper torso including the arms but excluding the head and neck interface area and the hand and wrist interface area. The pant shall provide limited protection resistance to the lower torso including the legs but excluding the foot and ankle interface area. The coat and pant overlap shall provide limited protection resistance to the coat/ pant interface area.

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

Manufacturer must provide, on request, third party certification of the required interface bloodborne pathogen resistant capability.

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

The manufacturer shall be registered to ISO 9001, *Quality Management Systems – Requirements*, 2000.

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

4 WARRANTY

The manufacturer must provide a lifetime warranty against defects in materials and workmanship with the bid package.

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

5 PRODUCT COUNTRY OF ORIGIN

For liability reasons, garments must be manufactured in the United States of America or Canada by companies with their assets and incorporation within the United States of America or Canada.

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

6 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 _____

7 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 NPFA 1971 requirements, and shall reference same.

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

8 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 _____

9 PATENT CONSIDERATIONS

Seller agrees to defend Buyer at Seller's own expense, in all suits, actions or proceedings in which Buyer is made a defendant for actual or alleged infringement of any United States of America, Canada or foreign letters patent resulting from Buyer's use of the goods purchased as a result of this Invitation to Bid. Seller further agrees to pay and discharge any and all judgments or decrees which may be rendered in any such suit, action or proceedings against Buyer.

Seller agrees to indemnify and hold harmless the Buyer from any and all licenses, royalty and proprietary fees or costs, including legal costs, which may arise out of Buyer's purchase and use of goods supplied by the seller. It is expressly agreed by Seller that these covenants are irrevocable and perpetual.

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

10 SIZING

To ensure a perfect 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.

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 _____

11 FLAMMABILITY OF CONSITUENT 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 _____

12 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 _____

13 THREAD

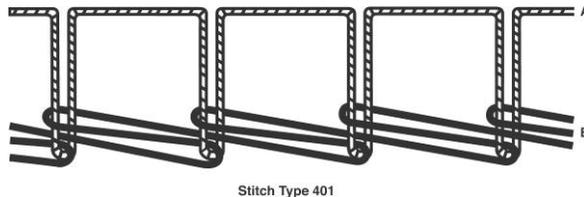
All thread used in structural seams shall be Nomex® of minimum Tex size T-70. Light colored garments and trim areas shall feature yellow thread. Black and dark garments shall feature black thread. Tan or bronze colored garments shall feature tan thread.

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

14 STITCH METHODS

14.1 Major A & B Seams

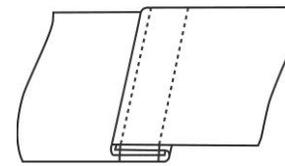
Except for the collar Major A seam, which is single-needle lock stitched three times, all Major A & B seams (as defined by NFPA 1971) shall be double stitched, double feld throughout all three layers (outer shell, moisture barrier and thermal liner), and shall be made with Nomex® thread, Tex size T-90. Detailed stitch and seam type requirements are shown below.



Stitch Type 401

Stitch Type 401

Double lockstitch, as defined by ASTM D 6193-97



Seam Type LSc-2 (Modified)

Modified Seam Type LSc-2

Double feld seam, modified only to ensure that both stitch lines penetrate all layers of cloth at joining, otherwise as defined by ASTM D 6193-97

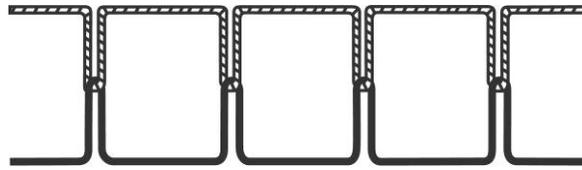
Also, all moisture barrier seams shall be tape-sealed to meet all requirements of the NFPA 1971 Liquid Penetration Resistance Test.

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 _____

14.2 Minor Seams

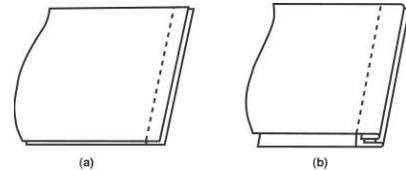
Most Minor seams, such as storm shields and mated hems, shall also be stitched with the specified Nomex thread. Detailed stitch and seam type requirements are shown below.



Stitch Type 301

Stitch Type 301

Lockstitch as defined by ASTM D 6193-97



(a)

(b)

Seam Type SSae-2

Seam Type SSae-2

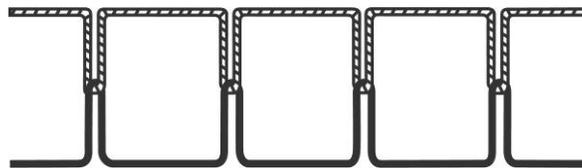
As defined by ASTM D 6193-97, shown (a) before and (b) after required turning

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

14.3 Pockets

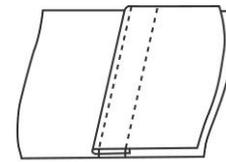
Flat garment pockets shall be stitched with the specified Nomex® thread. Detailed stitch and seam type requirements are shown below.



Stitch Type 301

Stitch Type 301

Lockstitch as defined by ASTM D 6193-97

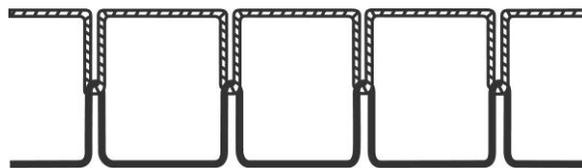


Seam Type LSd-2

Seam Type LSd-2

As defined by ASTM D 6193-97

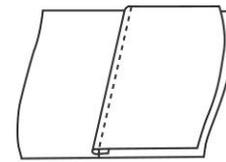
3-Dimensional pocketing shall feature these same construction details, but the reinforced single stitch Seam Type LSd-1 may be substituted for LSd-2. Detailed seam type requirements are shown below.



Stitch Type 301

Stitch Type 301

Lockstitch as defined by ASTM D 6193-97



Seam Type LSd-1

Seam Type LSd-1

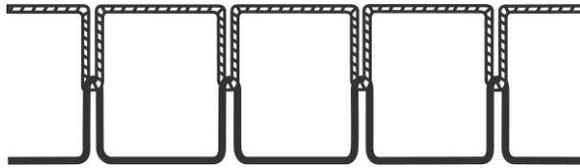
As defined by ASTM D 6193-97

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

14.4 Trim and DANGER Labels

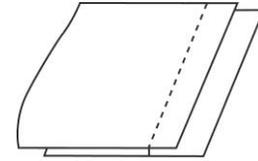
Trim and DANGER labels shall be stitched with the specified Nomex® thread. Detailed stitch and seam type requirements are shown below.



Stitch Type 301

Stitch Type 301

Lockstitch as defined by ASTM D 6193-97



Seam Type SSbd-1

Seam Type SSbd-1

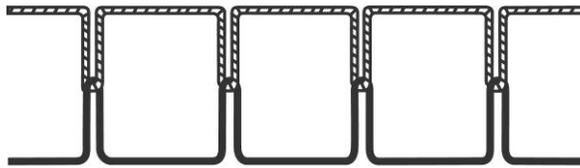
As defined by ASTM D 6193-97

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

14.5 Single Layer Hemming and Finishing

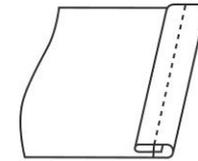
Single layer hemming and finishing shall be stitched with the specified Nomex® thread. Detailed stitch and seam type requirements are shown below.



Stitch Type 301

Stitch Type 301

Lockstitch as defined by ASTM D 6193-97



Stitch Type Efb-1

Seam Type Efb-1

As defined by ASTM D 6193-97

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

15 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 _____

16 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 _____

17 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 _____

18 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 _____

19 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 _____

20 REPAIRS AND ALTERATION SUPPORT

The manufacturer shall furnish, free of charge, reasonable quantities of NFPA 1971-certified thread, materials and other supplies to allow the department to manage its own ongoing internal maintenance efforts. Also, the manufacturer shall provide on call at no charge, during normal business hours, a liaison for the repair department to

assist the Fire Department on a telephone consultation basis, on all maintenance or repair questions that might arise. Additionally, the manufacturer shall agree to expedite, on its own cost-only basis, all repairs that must be performed at the manufacturer's plant, rather than in department, over the life of the contract.

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

21 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 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 _____

22 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 Crosstech.

The breathability requirement includes but is not limited to: collar, chinstrap, storm shield, fly, waterwells, 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 backing, and external pocketing.

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

23 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 _____

24 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 field 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 _____

28 PATTERNING REQUIREMENTS

To assure maximum freedom of movement and reduce kinetic resistance with minimum garment weight and bulk, coat patterning shall include the following features:

- Degree of slope on shoulders shall be no more than 20%.
- Hydraulic Butterfly sleeve patterning with 85-degree Lift Up Release Action shall be provided to minimize coat hem rise.
- Sleeve attachment shall minimize shoulder lift and allow a full 360 degrees freedom of movement.
- Coat hem rise with overhead reach of both arms not to exceed 4-inch (10.2-cm) maximal extension on properly fitted garments.
- Shell-and-liner retraction at the cuff shall not exceed 1 inch (2.5 cm) when both arms are raised overhead. This helps eliminate wrist exposure.
- 10-inch (25.4-cm) chest over-sizing shall be provided.
- Coat sweep measurements must be consistent with the chest over-size at the hem.
- Reach when measured from cuff to cuff, with coat lying flat, and standard length sleeves extended to each side, shall be provided as detailed below.

<u>Chest Size</u>	<u>Standard Reach</u>
40 in (101.6 cm)	66 in (167.6 cm)
42 in (106.7 cm)	67 in (170.2 cm)
44 in (111.8 cm)	68 in (172.7 cm)
46 in (116.8 cm)	68 in (172.7 cm)

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

29 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 be stowed by Velcro 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 Velcro to reduce the chances of snagging the grab loop by accident.

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 - Black with Natural Kevlar Center

Warp Yarn	1500/1000/2.75z Kevlar T-970F Black 1500/1000/2.75z Kevlar T-961 Natural
Weft Yarn	1500/1000/2.75z Kevlar T-970F Black
Catch cord	Tex size T-50 3-Ply/9.5z Bonded Kevlar Sewing Thread Black
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 _____

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 (4) 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 COAT CERTIFICATION LABEL ON LINER

The coat certification label on the liner shall be integrally printed on FR Cotton Indura® and lockstitched to the inside right body panel in a fashion to provide an inside liner pocket.

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

32 COAT CERTIFICATION LABEL ON SHELL

The coat certification label on the shell shall be integrally printed on FR Cotton Indura® and lockstitched to the shell along one side of the label at the back of coat.

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

33 COLLAR

The collar shall be of layered construction, consisting of a layer of breathable moisture and pathogen barrier material and another layer of NFPA 1971-certified insulating material (no foam – see section titled PRECLUSION OF PVC FOAM OR SIMILAR FOAM), sandwiched between two (2) layers of specified outer shell material and at least 3 inches (7.6 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, since this may weaken collar integrity. Left outside of collar shall have a sewn piece of 3-inch x 5-inch (7.6-cm x 12.7-cm) hook and loop fastener hook tape to ensure maximum adjustability when engaging chinstrap-to-collar closure. Each collar shall be graded to individual coat sizes.

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

34 CHIN STRAP

The chin strap shall be of layered construction identical to that of the collar configuration described in the previous paragraphs. Chin straps shall be 8 inches (20.3 cm) long across the top corners, 11 inches (27.9 cm) long across the bottom corners, and 4 inches (10.2 cm) in vertical height, measured at the center. The leading underside edge of the chin strap 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 _____

35 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, lockstitched to the coat. Webbing is not acceptable.

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

36 SLEEVES

To prevent stovepiping, 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 fold 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 _____

37 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 _____

38 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 _____

39 FRONT CLOSURE PROTECTIVE OVERLAP

Two-inch-wide (5.1 cm-wide) panels of breathable moisture/ pathogen barrier and specified thermal liner materials shall be provided at coat front closure facings to preclude any type of break in the protective envelope. The entire circumference of a closed coat shall consist of specified shell, moisture barrier and thermal liner materials.

The inside trailing edge of each 2-inch-wide (5.1-cm-wide) inner panel shall have the breathable moisture/ pathogen material wrapped around the edge by 0.5 inch (1.3 cm) to create an anti-wick guard to prevent soakthrough during the required NFPA 1971 Whole Garment Liquid Penetration Test. An additional layer of 6-inch-wide (15.2-cm-wide) breathable moisture/ pathogen barrier material shall be sewn between the 2-inch-wide (5.1 cm-wide) panels and outer shell coat body for the entire length of coat front in a fashion to prevent liquid entry during the NFPA 1971 Whole Garment Liquid Penetration Test.

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

40 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.

Outer Shell

7.5 oz.; Kevlar/Nomex ripstop weave; 40% Nomex/60% Kevlar; EWR - Gold

Thermal Lining

7.4 oz. calendared 100% spun 3.6 oz. Meta Aramid facecloth; 1 layer of 2.3 oz. E-89, and one layer 1.5 oz. E-89

Moisture Barrier

5.0 oz; Crosstech Bi-Component (PTFE) on a 3.2 oz. Nomex III A facecloth

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 _____

41 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.

Stock No.	Description
LTO-34i3 Tail Black	
LTOTOS34B	LTO Tail Outer Shell – 7.2 osy Advance - Black
LTOTTLI	LTO Tail Thermal Liner – 7.1 osy Synergy II 2 Layer
LTOTMB3	LTO Tail Moisture Barrier – 4.7 osy Type 2F Crosstech Black
CFCCS-34B	Std – Coat Cuffs
IPLC	Std – Inspection Port Liner
LNDC-34B	Std-Liner Detachable
LNSETTE	Std-SET Thermal Enhancement
PKTLSTD	Std-Liner Label Pocket
SATUPST-34B	Std – Take Up Straps – 2 Postman
RS-RRSAC	Std-Articulating Rapid Rescue Strap
TRC30M-TL	Trim – (4) NEW YORK – lime 2-tone Scotchlite (3’’)
LTBACK-34B	Back Patch – Advance – Black <PORTAGE>
LT3S07-SL	7 – 3’’ sewn letters –lime Scotchlite
LTHEMV-34B	Hem Patch w/Velcro – Advance – Black FF LAST NAME (1 ST INITIAL when specified) – avg. 7 letters – OK to use 2’’ letters to fit
LT3S07-SL	7 – 3’’ sewn letters – lime Scotchlite
CLZV1-34B	Velcro/Zipper Coat Closure – 1.5’’
CL-TA	Pull tab – Arashield – Black
CCLTO-34B	LTO Comfort Chinstrap
CCBLK	Black Knit Material on Comfort Chinstrap
LNDAPC	Dead Air Panels
PKHBLN-34B	Half Hi Bellow Pockets – Advance – Black – 6’’ x 9’’ x 1.5’’
PKBLC-V1	3 Vertical Strips Velcro on Flap/Full Velcro on Pocket
PKRCF-KV	Lined with Kevlar
PKMT-34B	Mic Tab – Advance – Black – right chest – 0.5’’ x 2.5’’ – place 3’’ above radio pocket
PKRCPTVS-34B	Large Hook on a Patch w/Velcro Strap – left chest
PKRD-34B	Radio Pocket – Advance – Black – right chest – 7 x 3 x 2
PKRD-FN2	Notch Flap – Double Notches (both left & right)
WWSTLN-BLACK	Sub Wristlets – Long with tabs – Nomex – black

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

PANTS

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

42 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 _____

43 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 _____

44 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 _____

45 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 _____

46 SUSPENDER BUTTONS

Eight (8) heavy duty, rust-resistant suspender buttons shall be positioned around the waist. Suspender buttons shall be mounted through waistband of triple layer outer shell material that is internally reinforced with an additional band of coated needlepunch aramid.

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

47 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 _____

48 PANT CERTIFICATION LABEL ON LINER

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

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

49 PANT CERTIFICATION LABEL ON SHELL

The pant certification label on the shell shall be integrally printed on FR Cotton Indura and lockstitched at the top rear of the waist, at the inside.

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

50 FLY FRONT

The outer shell fly shall be lockstitched 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 _____

51 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.

Outer Shell

7.5 oz.; Kevlar/Nomex ripstop weave; 40% Nomex/60% Kevlar; EWR - Gold

Thermal Lining

7.4 oz. calendared 100% spun 3.6 oz. Meta Aramid facecloth; 1 layer of 2.3 oz. E-89, and one layer 1.5 oz. E-89

Moisture Barrier

5.0 oz; Crosstech Bi-Component (PTFE) on a 3.2 oz. Nomex III A facecloth

**CITY OF PORTAGE
BID PROPOSAL**

I, the undersigned, propose to furnish and install at the bid price shown, firefighter protective clothing as per specifications supplied by the City of Portage, delivered to Portage Fire Station #1, 7830 Shaver Road, Portage, Michigan 49024. For bid to be considered responsive, bidder must return the Equipment Specification Sheet with the bid proposal.

ALL EXCEPTIONS TAKEN TO SPECIFICATIONS SUPPLIED BY THE CITY OF PORTAGE ARE ATTACHED ON SEPARATE PLAIN BOND PAPER OR NOTED IN RED ON THE SPECIFICATIONS.

Initial Purchase (price guaranteed through December 31, 2015)

	<u>Each</u>	<u>10 Sets (estimate)</u>
Morning Pride Coat Model LTO34I3	\$ _____	\$ _____
Morning Pride Pant Model LTO34I3	\$ _____	\$ _____
BASE BID TOTAL INITIAL PURCHASE		\$ _____

Replacement/Additional Purchases

	2016	2017	2018	2019
Coats	\$ _____ ea	\$ _____ ea	\$ _____ ea	\$ _____ ea
Pants	\$ _____ ea	\$ _____ ea	\$ _____ ea	\$ _____ ea

The City reserves the right to reject any or all bids, to waive any irregularities, and further reserves the right to accept any bid or parts of bids which it deems to best serve the interest of the City.

The undersigned attaches hereto a bidder's bond in the sum of _____ Dollars (\$ _____) as required in the Instructions to Bidders, and the undersigned agrees that, in case he shall fail to fulfill his obligations under the foregoing Proposal and agreement, the City may, at its option, determine that the undersigned has abandoned his rights and interests in such Proposal and that the certified check or bidder's bond accompanying his proposal has been forfeited to the City; but otherwise, the Certified check or bidder's bond shall be returned to the undersigned upon the rejection of his Proposal.

I further propose to deliver the above-described equipment FOB City of Portage in first class operating condition in accordance with all specifications contained herein subject to purchaser's inspection and approval not later than 60 days from receipt of a Purchase order (please note that availability and delivery will be considerations in award of the bid.

TERMS: _____
(Minimum of 30 days, please
identify any discounts given)

FIRM NAME: _____

BY: _____
Signature

DATE: _____

BY: _____
Name and Title (print or type)

ADDRESS: _____
Street City State Zip Code

PHONE: _____

FAX: _____

DRAFT CONTRACT AGREEMENT

Following is a “*draft copy*” of the contract that will be executed by the City and the Firm for the completion of this project.

CITY OF PORTAGE
CONTRACT

THIS CONTRACT made the ____ day of _____, 2010, by and between _____ hereinafter called the "Contractor," and the City of Portage, 7900 South Westnedge Avenue, Portage, Michigan 49002, hereinafter called the "City."

WITNESSETH, THAT the Contractor and the City for the consideration stated herein agree as follows:

ARTICLE I - SCOPE OF WORK

The Contractor shall perform everything to be performed and shall provide and furnish all of the labor, materials, necessary tools, expendable equipment, and all utility and transportation services required to perform and complete in a workmanlike manner all the work required for the _____ all in strict accordance with the Plans and Specifications, including any and all addenda, which plans and specifications are made a part of this contract, and in strict compliance with the Contractor's proposal and other contract documents herein mentioned which are a part of this contract; and the Contractor shall do everything required by this contract and the other documents constituting a part hereof.

ARTICLE II - COMPENSATION TO BE PAID TO THE CONTRACTOR

In consideration of the completion of the work described herein and in fulfillment of all stipulations of this contract to the satisfaction and acceptance of the City, the City shall pay and the said Contractor further agrees to receive and accept payment based on the prices for material and labor as set forth in the conformed copy of the Contractor's proposal as filed with the City on the _____ day of _____ the sum of which shall not exceed:

Initial Purchase – 25 Sets (price effective through December 31, 2010)

(amount in words)	\$ _____ (in figures)
-------------------	--------------------------

Additional/Replacement Coats/Pants:

	2011	2012	2013	2014
Coats	\$ _____	\$ _____	\$ _____	\$ _____
Pants	\$ _____	\$ _____	\$ _____	\$ _____

as full compensation for furnishing all the equipment and materials, and for the costs of all premiums on insurance and bonds and for doing all the work contemplated and specified in this contract; also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen obstructions or difficulties which may be encountered in the prosecution of the same; and for all risks of every description connected with the work; and for well and faithfully completing the work and the whole thereof, in full compliance with the Plans and Specifications and the requirements under them. Payments are to be made to the Contractor in accordance with and subject to the provisions embodied in the contract documents hereto attached

ARTICLE III - ASSIGNMENT AND SUBCONTRACTORS

The Contractor agrees to perform the work included in Article I using his employees. No work required under this contract shall be subcontracted or otherwise assigned to another party without the expressed written consent of the City.

ARTICLE IV - COMPONENT PARTS OF THIS CONTRACT

This contract consists of the following component parts, all of which are as fully a part of this contract as if herein set out verbatim, or, if not attached, as if hereto attached.

1. Contract (this document)
2. Contractor's Proposal (or bid)
3. Advertisement for Bids
4. Instructions to Bidders
5. Specifications

In the event that any provision in any of the above component parts of this contract conflicts with any provision in any other of the component parts, the provision in the component part first enumerated above shall govern over any other component part which follows it numerically, except as may be otherwise specifically stated.

IN WITNESS WHEREOF, the parties have caused this instrument to be executed in four original counterparts the day and year first above written.

(SEAL)

CONTRACTOR

Attest:

By: _____

Signature

Print name and Title

Print Name and Title

(SEAL)

CITY OF PORTAGE

Attest:

By: _____

Maurice S. Evans, City Manager

Approved as to Form:

Randall L. Brown, Portage City Attorney

INSTRUCTIONS FOR EXECUTING CONTRACT WITH CITY OF PORTAGE

A. If the contractor is a corporation, the following certificate must be executed:

I, _____, certify that I am the Secretary of
print or type name
the corporate entity named as Contractor in the contract and that such corporate entity is a corporation
in good standing in the State of _____ and has authority
print or type name of state
to transact business in the State of Michigan. [If the corporation is not a Michigan corporation, then a
“Certificate of Authority to Transact Business in the State of Michigan” must be attached.] I certify
that the contract between the City of Portage and _____,
print or type name of corporation
Inc., was validly executed on behalf of the corporation by _____
print or type name
who was then the _____ of said corporation and has the
print or type name of title
authority to bind the corporation to the contractual agreements pursuant to the authority of its
governing body and by-laws and is within the scope of its corporate powers.

Print or type name of corporation

Dated: _____, 20____ By: _____
Its: _____

B. If contractor is an LLC, the following certificate must be executed:

I, _____, certify that I am a member of the
print or type name
Limited liability company named as Contractor in the contract and that such LLC is in good standing
in the State of _____ and that the LLC has the
print or type name of state
authority to transact business in the State of Michigan. [If the LLC is not a Michigan LLC, then a
“Certificate of Authority to Transact Business in the State of Michigan” must be attached.} I certify
that the contract between the City of Portage and _____
print or type name of LLC
LLC was validly executed on behalf of the LLC by _____
print or type name
who was then a member of said LLC and has the authority to bind the LLC to contractual agreements
and that such contract is within the scope of its powers.

Print or type name of LLC

Dated: _____, 20____ By: _____
Its: _____

C. If the contractor is a sole proprietorship/partnership, the following certificate must be executed:

I, _____, certify that I am the
owner/partner of the company named as Contractor in the contract and that I have the authority to bind
_____ to contractual agreements.

print or type name

print or type name of business (insert d/b/a if one exists)

Print or type name of company/DBA

Dated: _____, 20____ By: _____
Its: _____

Notes to Certificate:

1. The full name and business address of the Contractor must be inserted in the contract and the contract must be signed with his/her official signature. The name of the signing party or parties are to be typewritten or printed under all signatures of the contract.
2. If the contract is signed by the secretary of the corporation, the above certificate must be executed by some other officer of the corporation, under the corporate seal. In lieu of the foregoing certificate, there may be attached to the contract copies of so much of the records of the corporation and will show the official character and authority of the officers signing, duly certified by the secretary or assistant secretary under the corporate seal to be true copies.
3. If the Contractor is operating as a partnership, each partner must sign the contract, or if not signed by each partner, there must be attached to the contract a duly authenticated power of attorney evidencing the signer's (signers') authority to sign such contract and on behalf of the partnership.
4. If the Contractor is an individual, the trade name (if the Contractor is operating under a trade name) must be indicated in the contract and the contract must be signed by such individual. If signed by someone other than the Contractor, there must be attached to the contract a duly authenticated power of attorney evidencing the signer's authority to execute such contract for and in behalf of the Contractor.
5. If an LLC, the contract must be signed by a member of the LLC. If signed by someone other than the member, there must be attached to the contract the duly authenticated power of attorney evidencing the signer's authority to execute such contract for and on behalf of the contractor.

