

COLLETON COUNTY, SOUTH CAROLINA , a body politic and corporate and a political subdivision of the State of SC	MAIL TO: Finance-Purchasing ATTN: Stacy Langdale PO Box 157 Walterboro, SC 29488	
SEALED BID	HAND CARRY TO: Purchasing Office, Room 208A Harrelson Building, 31 Klein Street Walterboro, South Carolina 29488	
Bids will be accepted until 2:00 PM, Friday, July 24, 2009	TELEPHONE NO. (843) 549-5716	
Then Publicly Opened in Room 208	BID NUMBER: FR-07 Firefighting Equipment Bid	

VENDOR NAME: _____

VENDOR ADDRESS: _____

CITY-STATE-ZIP: _____

MAILING ADDRESS: _____

(If different from above) _____

TELEPHONE NO.(_____)_____ FAX NO.(_____)_____

FEDERAL ID NO._____ E-MAIL_____

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid and verify that I am authorized to sign this bid for the proposer. I further state that the company affiliated with this bid currently complies with all applicable federal and state laws and directives relative to non-discriminatory practices in employment.

SIGNATURE

PRINTED NAME

INSTRUCTIONS TO OFFERERS

1. **Submit one (1) clearly identified original and one (1) exact duplicate of the Bid, a completed W-9 form and a Certificate of Insurance for your agency in a sealed envelope with the bid number as well as the time and date for opening prominently marked on the outside.**
2. Bids must be submitted to or at the time, date and exact location specified to be considered. No late bids, telegraphic, telephonic, or electronic bids will be accepted.
3. All bids must be signed by an authorized officer or employee of the offerer.
4. All information requested of the offerer must be entered in the appropriate space on the original forms. Failure to do so may be grounds for disqualification.
5. All information must be entered in ink or typewritten. Mistakes may be crossed out and corrected prior to submission, if initialed by the person signing the bid.
6. Corrections and/or modifications received after the closing time specified will not be accepted.
7. Time of delivery, defined as the number of calendar days between receipt of the order by the offerer and the receipt of goods or services by Colleton County, may be considered as one factor in determining the award.
8. Prices will be considered net if no discount is shown.
9. In order for a bid to be considered complete, vendors must be able to supply all items in the bid package. In addition, unit prices must be specified for all bid items and all requested information in the bid package must be completed and returned in its entirety to constitute a complete bid.

GENERAL CONDITIONS

1. Colleton County reserves the right to award bids received on the basis of individual items, groups of items, or the entire list of items; to reject any and all bids; and to waive any technicalities.
2. Unit prices will govern over extended prices.
3. In case of tie bids, price and quality being equal, preference will be given to Colleton County vendors. In every case, Colleton County reserves the right to make awards deemed to be in the best interest of the County.
4. The Evaluation of the bids and the determination as the equality of the product offered is the responsibility of Colleton County, and will be based on information furnished by the offerer in the bid.
5. Unless otherwise indicated in the bid notice, prices must be firm, and remain in effect for ninety (90) days. Ambiguous bids which are uncertain as to fees, delivery, or compliance with specifications may be rejected or disregarded.
6. Brand names and numbers, when used, are for reference only to indicate character or quality desired and do not indicate a preference.

7. Equal items will be considered; equal items must state the brand name or quality; and Colleton County's determination of what constitutes equality will be final and conclusive.
8. When brand name, number, or level of quality is not stated by the offerer, it is understood that the offer is exactly as specified.
9. Sales, use, or excise taxes must not be included as any part of the bid price. These taxes, as well as any handling and shipping charges, **must be shown as separate items**. Shipping charges will be considered as a factor in determining awards.
10. Samples of any articles deemed necessary must be furnished free of any cost to Colleton County. These samples may be retained for future comparisons. Any samples not destroyed by testing or not retained for comparisons will be returned to the offerer at the offerer's expense upon request.
11. The successful offerer must indemnify and hold harmless Colleton County, its officers, agents, and employees, from all suits or claims of any character brought by reason of infringing on any patent, trade mark, or copyright.
12. In case of default by contractor, Colleton County reserves the right to purchase any or all items in default in open market, charging the contractor with any excess costs. Periods of performance may be extended if the facts as to the cause of delay are justified in the opinion of the proper Colleton County officials.

GENERAL PROVISIONS

1. **ORDER OF PRECEDENCE:** In the event of inconsistency between the provisions of this solicitation, the inconsistency must be resolved by giving precedence in the following order: (A) Colleton County Ordinance Number 2000-0-21 as amended, (B) The bidding schedule and instructions to offerers, (C) General conditions, (D) General provisions, (E) Other provisions of the contract whether incorporated by reference or otherwise, and (F) the Specifications.
2. **S.C. LAW CLAUSE:** Upon award of a contract or Purchase Order under this bid, the person, partnership, association, or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business in this state. Notwithstanding the fact that applicable statutes may exempt or exclude the successful offerer from requirements that it be authorized and/or licensed to do business in this state, by submission of this signed bid, the offerer agrees to subject itself to the jurisdiction and process of the courts of the State of South Carolina, to all matters and disputes arising or to arise under the contract and performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.
3. **EXCUSABLE DELAY:** The contractor will not be liable for any excess costs if the failure to perform the contract arises out of causes beyond the control and without the fault or negligence of the contractor. Such causes may include, but are not restricted to acts of God or of the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but in every case the failure to perform must be beyond the control and without the fault or negligence of the contractor. If the failure to perform is caused by the fault of a subcontractor, and if such default arises out of control of causes beyond the control of both the contractor and subcontractor, and without the fault or negligence of either of them, the contractor will not be liable for any excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the contractor to meet the required delivery schedule.
4. **AWARD CRITERIA:** Award will be made to the lowest responsible offerer who submits a responsive bid that Colleton County considers to be most advantageous to its own interests.
5. **SPECIFICATIONS:** Any deviation from specifications in the bid solicitation must be clearly pointed out; otherwise, it will be considered that the items offered are in strict compliance with these specifications, and the successful offerer will be held responsible therefore. Unless otherwise stated, it is understood and agreed that any item offered or shipped on this bid must be new and suitable for storage or shipment, and that prices include standard commercial packaging.

6. **RESPONSIBILITY:** The offerer must assume that any purchase, responsibility, insurance, and action or activity which is necessary for the satisfactory operation of the services requested in the invitation to bid, but which is not specifically designated as an Colleton County responsibility, is a responsibility of the Contractor's operation, and the offerer must include these in the response to this invitation to bid accordingly.
7. **INSURANCE:** Upon award of the contract or Purchase Order under this bid the contractor must maintain, throughout the performance of its obligations a policy or policies of **Worker's Compensation** insurance with such limits as may be required by law. In the event that the contractor has fewer than 3 employees and is not required by law to have Worker's Compensation insurance, a "Statement of Independent Contractor" form must be completed prior to starting work. Contractor must also maintain a policy or polices of **general liability** insurance insuring against liability for injury to, and death of, persons, and damage to, and destruction of, property arising out of, or based upon, any act or omission of the contractor or any of its subcontractors of their respective officers, directors, employees or agents. Such general liability insurance must have limits sufficient to cover any loss or potential loss resulting from this contract. **A copy of the Certificate of Insurance should be included with the bid.** Prior to commencing work hereunder, Offeror, at his expense, shall furnish insurance certificate showing the certificate holder as Colleton County, PO Box 157, Walterboro, SC 29488, Attention: County Purchasing and with a special notation naming Colleton County as an additional insured on the liability coverage.
8. **AUDIT:** Contractor's records which pertain to this Contract must be open for inspection and/or audit by the County upon request for a period of five years after each contract year. For audit purposes, the County must verify that the material cost billed as a result of the contract are correct. Contractor must provide the County, upon its request, documentation of material purchase costs (e.g. copy of invoice from its supplier), and rental equipment is being invoiced properly.

BID PROCEDURES MUST COMPLY WITH THE PROVISIONS OF SC LAW AND REVISED PURCHASING ORDINANCE NUMBER 2000-0-21 AS AMENDED.

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COLLETON COUNTY

FIREFIGHTING EQUIPMENT BID - July 2009

All pricing related to this bid, must remain valid for a minimum period of 90 days following the close of the bid.

QTY	ITEM	MFG	MODEL #	ITEM DESCRIPTION	Price Each	Total
1	Hose	Angus	Ultima	Hose 1.75" 50 foot sections - YELLOW / supplied with one 1.5" NH female swivel coupling and one 1.5 NH rigid male coupling / Lettered at the factory with black lettering - " COLLETON COUNTY FIRE-RESCUE " (NOTE: Ultima II is not acceptable)		
1	Hose	Angus	Ultima	Hose 1.75" 50 foot sections - RED / supplied with one 1.5" NH female swivel coupling and one 1.5 NH rigid male coupling / Lettered at the factory with black lettering - " COLLETON COUNTY FIRE-RESCUE " (NOTE: Ultima II is not acceptable)		
1	Hose	Angus	Ultima	Hose 1.75" 50 foot sections - TAN / supplied with one 1.5" NH female swivel coupling and one 1.5" NH rigid male coupling / Lettered at the factory with black lettering - " COLLETON COUNTY FIRE-RESCUE " (NOTE: Ultima II is not acceptable)		
1	Hose	Angus	Ultima	Hose 2.5" 50 foot sections - YELLOW / supplied with one 2.5" NH female swivel coupling and one 2.5" NH rigid male coupling / Lettered at the factory with black lettering - " COLLETON COUNTY FIRE-RESCUE " (NOTE: Ultima II is not acceptable)		
1	Hose	Angus	Ultima	Hose 3" 25 foot sections - YELLOW / supplied with one 2.5" NH female swivel coupling and one 2.5" NH rigid male coupling / Lettered at the factory with black lettering - " COLLETON COUNTY FIRE-RESCUE " (NOTE: Ultima II is not acceptable)		
1	Hose	Angus	100' x 5" x 5"	Hose 5" 100 foot sections - YELLOW / supplied with two 5" locking swivel Storz couplings / Lettered at the factory with black lettering - " COLLETON COUNTY FIRE-RESCUE " (NOTE: Ultima II is not acceptable)		
1	Hose	Angus	25' x 5" x 5"	Hose 5" 25 foot sections - YELLOW / supplied with two 5" locking swivel Storz couplings / Lettered at the factory with black lettering - " COLLETON COUNTY FIRE-RESCUE " (NOTE: Ultima II is not acceptable)		

20	Foam Class A	Ansul	75451	Silv-ex Class "A" Foam Fire Control Concentrate Provided in 5 gallon pale / Interested in pallet quantity. Indicate appropriate quantity with bid.		
20	Foam Class B (AFFF)	Ansul	55797	Ansulite ARC - Alcohol Resistant Aqueous Film Forming Foam Concentrate (AFFF) 3% and 6% Provided in 5 gallon pale / Interested in pallet quantity. Indicate appropriate quantity with bid.		
6	Thermal Imager Camera	ISG	XR-Elite	ISG Model # XR-Elite Thermal Imager Camera with vehicle mounting/charger system, spare battery and accessories. See attached specifications - Reference Appendix "E"		
55	Leather Shields			Traditional style, 6-1/4" leather shield. Must fit Cairns 1044 firefighting helmet and be supplied with pre-punched holes. Shield to have brass backer bar for support. Shield to have two arched upper panels and one lower panel and be supplied with a 1-5/8" silver Large Firefighter Scramble Medallion centered between the lower panel and the second upper panel. Body color to be Black with Black stitching. Panel background colors to be white reflective with black lettering. Top panel to read "COLLETON COUNTY". Second Top Panel to read "FIRE-RESCUE". Bottom panel to read "FIREFIGHTER" - See attached specifications - Reference Appendix "F"		
55	Helmets	Cairns	1044GDB	Deluxe model, traditional style Fire Helmet, equipped with Defender retractable shield, leather liner and PBI/Kevlar Earflap (Tan), Carved Brass Eagle 6" front holder - Black in color - Reflexite Reflective markers		
5	Dri Dek	Kindall Products	12"x12" Tile	12 inch by 12 inch (1 foot square) Interlocking Square Rubber Tiles, packaged 50 per case. Black in Color (Provide case price.)		
100	Dri Dek	Kindall Products	2" x 12" Edge	2 inch by 12 inch Angled Interlocking Rubber edge pieces. Matches up to Dri-Dek 12"x12" squares. Sold individually. Black in Color (Priced individually)		
10	Hand light	Mag Industries	RX-2019	Maglite rechargeable metal flashlight with 12 volt vehicle charger, rechargeable battery and mounting bracket		
10	Traffic Vest - MEDIUM	Mifflin Valley	V-3A-FPC3	Lime/Yellow color, with orange and silver trim, "FIRE-POLICE Spec", Class 3, Features Adjustable Velcro Front Closure, Adjustable Velcro Sides, Silver Reflective Trim lined in orange, DELETE Radio Pocket w/closure, DELETE Badge Tab, DELETE mike tab, DELETE Printing on back.		

10	Traffic Vest - LARGE	Mifflin Valley	V-3A-FPC3	Lime/Yellow color, with orange and silver trim, "FIRE-POLICE Spec", Class 3, Features Adjustable Velcro Front Closure, Adjustable Velcro Sides, Silver Reflective Trim lined in orange, DELETE Radio Pocket w/closure, DELETE Badge Tab, DELETE mike tab, DELETE Printing on back.		
10	Traffic Vest - X-LARGE	Mifflin Valley	V-3A-FPC3	Lime/Yellow color, with orange and silver trim, "FIRE-POLICE Spec", Class 3, Features Adjustable Velcro Front Closure, Adjustable Velcro Sides, Silver Reflective Trim lined in orange, DELETE Radio Pocket w/closure, DELETE Badge Tab, DELETE mike tab, DELETE Printing on back.		
10	Traffic Vest - 2X-LARGE	Mifflin Valley	V-3A-FPC3	Lime/Yellow color, with orange and silver trim, "FIRE-POLICE Spec", Class 3, Features Adjustable Velcro Front Closure, Adjustable Velcro Sides, Silver Reflective Trim lined in orange, DELETE Radio Pocket w/closure, DELETE Badge Tab, DELETE mike tab, DELETE Printing on back.		
10	Traffic Vest - 3X-LARGE	Mifflin Valley	V-3A-FPC3	Lime/Yellow color, with orange and silver trim, "FIRE-POLICE Spec", Class 3, Features Adjustable Velcro Front Closure, Adjustable Velcro Sides, Silver Reflective Trim lined in orange, DELETE Radio Pocket w/closure, DELETE Badge Tab, DELETE mike tab, DELETE Printing on back.		
10	Traffic Vest - 4X-LARGE	Mifflin Valley	V-3A-FPC3	Lime/Yellow color, with orange and silver trim, "FIRE-POLICE Spec", Class 3, Features Adjustable Velcro Front Closure, Adjustable Velcro Sides, Silver Reflective Trim lined in orange, DELETE Radio Pocket w/closure, DELETE Badge Tab, DELETE mike tab, DELETE Printing on back.		
10	Traffic Vest - 5X-LARGE	Mifflin Valley	V-3A-FPC3	Lime/Yellow color, with orange and silver trim, "FIRE-POLICE Spec", Class 3, Features Adjustable Velcro Front Closure, Adjustable Velcro Sides, Silver Reflective Trim lined in orange, DELETE Radio Pocket w/closure, DELETE Badge Tab, DELETE mike tab, DELETE Printing on back.		
1	SCBA	Scott	AP75	2216 psi AP75 SCBA to include 2216 Carbon Fiber Cylinder, back frame, regulator, AV3000 Mask and intergraded PASS		
50	Air Cylinders	Scott	2216	Carbon fiber 2216 psi Scott Air Cylinders, customized with Department Name and Emblem		
10	Hand Lights	Streamlight	FireBox	Firebox Vehicle Mount System - Industrial duty, portable lantern with halogen bi-pin bulb and two ultra bright blue LEDs. Includes 12 volt vehicle mountable direct wire charging rack. Constructed of high impact ABS thermoplastic with toggle switch, rubberized impact bumper, lens ring, cushion grip handle and reinforced "D "rings		
1	Hand Lights	Streamlight	HID Litebox	One million candlepower High Intensity search light, includes navigation LEDs.		

5	Mobile Radios	Motorola	CM300	40 watt minimum, 32 channel VHF High Band mobile radio. Includes adjustable power levels, busy channel lock-out, call tones, 8 character display, compact microphone, hang-up clip, mounting bracket, power cable, dual priority scan, channel spacing 12.5/15 MHz and time out timer.		
20	Pagers	Motorola	Minitor 5	Minitor 5; wide and narrow band programmable VHF high band alert pager; 12 alert tones per channel (8 two-tone & 4 individual); Programmable alerts; rapid charger and battery		
55	Turnout Coat	Globe	Extreme	Globe # 31177-4 Gold PBI Matrix Jacket - 32" length - See attached specifications - Reference Appendix "A"		
55	Turnout Pants	Globe	Extreme	Globe # 41177-4 Gold PBI Matrix Trousers - See attached specifications - Reference Appendix "B"		
55	Goggles	ESS	ESS01GY3-WF	NFPA 1971-2007 compliant, ESS Interzone 3 Goggles with wrap around strap system		
55	Flash Hoods	Lifeline	P823	Double layer, P84/Lenxing FR/Kevlar - Yellow in color - Regular		
55	Gloves	Glove Corp	Blaze Fighter	NFPA 1971-2007 certified firefighting glove, model Blaze Fighter featuring 3 dimensional form fit; pre-curved finger design; goatskin leather with Kevlar back and Kevlar under layer; modacrylic FR liner; Sentinel vapor barrier; Goldbond to eliminate liner pull out. Available in various sizes. Color - Black and Gold.		
55	Leather Boots	Globe	Series 14	NFPA 1971, model # series 14", pull-on structural firefighting boots. Heavy-duty flame-resistant and water proof leather; 3m reflective trim to improve visibility; full height liner consisting of Cambrelle, 300g insulation and Crosstech moisture barrier, penetration resistant insole constructed of HT ceramic material, reinforced pull-straps, Kevlar/Nomex protective shield, shin guard and Safety Toe Cap with bumper. Available in various mens and womens sizes and widths.		
75	Wildland Pants	PGI	Pants	PGI Wildland Firefighting Gear - Pants without padded knee - Note Orange Tripe Trim in lue of standard color - See attached Specification - Reference Appendix "C"		
75	Wildland Coat	PGI	Coat	PGI Wildland Firefighting Gear - Coat - Note Orange Triple Trim in lue of standard color - See attached Specification - Reference Appendix "D"		

APPENDIX “A” – Minimum Specifications for Globe Structural Firefighting Coat/Jacket (2009)

MATERIAL:

- PBI Gold #31177-4 / 32 inch Matrix Jacket
- Color: Tan

THERMAL LINER:

- Removable Caldura SL Thermal Liner
- Held in place with snaps along sides of jacket and hook and loop closure along collar

MOISTURE BARRIER

- Removable Crosstech Moisture.
- Held in place with snaps along sides of jacket and hook and loop closure along collar
- Large interior pocket to left inside of thermal liner.

MICROPHONE STRAPS:

- Constructed of self material on right chest
- Constructed of self material on left chest above radio pocket.

RADIO POCKET:

- Constructed of self-material / 2 x 3.5 x 8 minimum Radio Pocket on left pocket on left chest Scotchlite trim over pocket

COAT SNAP:

- Self-locking, Coat snap on lower right front between pocket and side seam.

FRONT CARGO POCKETS:

- Two pockets, constructed of self material – one each side with drain holes
- Large pockets to be minimum of 2-1/2 inches thick by 8 inches wide by 9 inches long
- Single pocket flap, minimum of 5 inches to cover pocket opening, permanently sewn to jacket and secured pocket with hook and loop
- Lined hand warmer pockets under large storage pockets

REINFORCEMENTS:

- Black Suede reinforcements to be sewn to cuffs.
- Self material reinforcements on elbows
- Self material reinforcements and padding on shoulders

HAND AND WRIST GUARDS

- Jacket to be supplied with Nomex hand and wrist guards with a thumb hole

FRONT CLOSURE

- Jacket shall be supplied with a zippered front closure, with a safety flap constructed of self material and held in place with hook and loop.

NECK CLOSURE

- A separate, approximately 9 inches neck closure, constructed of self material shall be supplied. One side shall be permanently sewn in the area of the collar. The closure shall be pulled across the front of the neck for added protection. This closure shall be held in place with hook and loop

DRAG SAFETY DEVICE:

- Jacket is to be equipped with a reusable drag safety device

LETTERING: (Photo Attached)

- 2 inch Lime Yellow Scotchlite Letters arched on Yoke “COLLETON COUNTY”
- 3 inch Lime Yellow Scotchlite Letters straight below arch, above triple trim “FIRE-RESCUE”
- Lettering to be sewn directly to the jacket, without the use of a patch.
- Note, on smaller coat sizes all lettering may be 2” because of limited body of the coats.

REFLECTIVE TRIM:

- 3M Scotchlite Reflective Material – 3 inch NYC Lime-Silver-Lime Triple Trim

CERTIFICATION:

- NFPA 1977 standard on Protective Clothing and Equipment for Structural Fire Fighting (Current Edition)

SIZES

- Jackets to be available in various sizes, 32 inch length, unless specified otherwise.



APPENDIX “B” – Minimum Specifications for Globe Structural Firefighting Pants/Trousers (2009)

No Bibb Styles Trousers

MATERIAL:

- PBI Gold #41177-4 Matrix Trousers
- Color: Tan

THERMAL LINER:

- Removable Caldura SL Thermal Liner
- Held in place with snaps along sides of waist and cuffs

MOISTURE BARRIER

- Removable Crosstech Moisture.
- Held in place with snaps along sides of waist and cuffs

FRONT CLOSURE:

- Trousers to be supplied with a front closure, constructed of self material
- Closure to held in place with hook and loop

FRONT CARGO POCKETS:

- Two pockets, constructed of self material – one each side
- Large pockets to be minimum of 2 inches thick by 10 inches wide by 10 inches long
- Single pocket flap over each pocket, minimum of 5 inches to cover pocket opening, permanently sewn to jacket and secured pocket with hook and loop
- Right pocket to have a permanent divider sewn to inside of pocket to split the pocket into two compartments 50/50. Do not split pocket flap.
- Drain holes (eyelets) to be provided in each pocket to allow water to drain out of the pocket.
- Black Suede reinforcements to bottom of pockets and up 5 inches front and sides of pocket face.

SUSPENDERS:

- Regular Super duty IPO GX7 “H” style removable suspenders

BELT:

- Trousers to be supplied with a belt permanently attached to the front and equipped with a plastic quick release buckle
- Back of Trousers shall be supplied with elastic for a comfortable fit.

REINFORCEMENTS AND PADDING:

- Black Suede reinforcements to be sewn to cuffs.
- Black Suede reinforcements on knees
- Padding to knees
- **Black Suede reinforcements to bottom of pockets and up 5 inches front and sides of pocket face.**

REFLECTIVE TRIM:

- 3M Scotchlite Reflective Material – 3 inch NYC Lime-Silver-Lime Triple Trim around and just above the cuffs

CERTIFICATION:

- NFPA 1977 standard on Protective Clothing and Equipment for Structural Fire Fighting (Current Edition)

SIZES

- Trousers to be available in various waist sizes and 30 to 32 inch lengths, unless specified otherwise.

BOOT CUT:

- Angled boot cut on back of pant legs

APPENDIX “C”

PGI FireLine Deluxe Wildland Pants Specifications (2009)

MATERIAL:

- 9.0 oz Indura Ultrasoft; Style # 5501872
- Color: YELLOW

SEWING:

- 100% Nomex Tex 60 thread. Matching color.
- Stitches average 9-10 stitches per inch.

SEAMS:

- All seams are safety-stitched: over edge stitch type 504 plus chain stitch type 101.
- Double-needle lock-stitch operations: type 301 with 2 needles.
- Single-needle lock-stitch operations: type 301.
- Leg and seat seams have five thread safety-stitched and outer leg and seat seam are finished with ¼" wide double-needle lock-stitched.
- Crotch seam is joined by a three-thread overlock stitch and finished with a ¼" wide double needle lock-stitch to form a clean finish.

BAR TACKING:

- All stress points are bar tacked with combination stitch type 301 and stitch 304.
- 28 stitches per bar tack.

WAISTBAND:

- Self-material 2¼" wide with 2" wide elastic at center back.
- 5/8" wide 100% cotton take-up straps on each side of waistband are attached to a black finish carbon steel ladder buckle.
- Black finish brass snap at waist is fabric backed so that no metal touches the skin.
- Seven 2" long double-needle stitched belt loops are bar tacked top and bottom.

FLY CLOSURE:

- Self-locking #5 brass zipper mounted on Nomex tape is double-needle lock-stitch set.
- Zipper is backed with a double-ply self-fabric flap so no metal touches skin.

FRONT POCKETS:

- Permanently flame resistant pocket bags are extra deep and contoured
- Front angled bag pockets and flaps are secured with 1" x 2" hook and loop

SIDE ACCESS:

- Located on the side seams.
- Closure secured with 7" long #5 brass self-locking zippers mounted to Nomex side tape.
- **Internal flap covers the zipper so no metal comes in contact with skin.**

CARGO POCKETS:

- Located at the mid-thigh side seam.
- Pockets measure 9" high x 9" wide with 1¼" deep back and bottom bellows and are set with a single-needle lock-stitch.
- Flaps measure 9½" wide x 4" high and are secured with 2 each 1" x 2" horizontal loop on pocket and vertical hook on flap for adjustment.

REAR POCKETS:

- Welt style rear pockets have permanently flame resistant pocket bags.
- Spade style flaps measure 6¼" wide and 2½" tall at center point are secured with 1" x 2" hook and loop closure.

LEG PANEL:

- Articulated design leg panel
- Contoured knee allows for full range of movement.

KNEE PAD POCKET: OMIT KNEEPAD

LEG ZIPPER:

- 14" single-pull #5 brass zipper mounted on Nomex tape
- The zipper is set in gusset to prevent metal from coming in contact with skin.

LEG HEM:

- Gusseted leg has a multiple cuff closure system comprised of leg zippers, elastic and adjustable tabs.
 - 14" zipper closes down gusset, which can be worn open for maximum cuff extension..
 - Self-fabric tab is 1½" wide x 3 ¼" long with adjustable corrosion-resistant black finish brass snap closure with 3 studs to individually adjust the take-up. All snaps are fabric backed so that no metal touches the skin.
 - The partial elasticized cuff allows for a snug yet comfortable closure at the ankle.

REFLECTIVE TRIM:

- 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim.
- 2" wide **fluorescent orange with silver stripe** (triple trim) is set with single needle lock-stitch and located around legs **approximately 5 inches from bottom of pants legs.**

CERTIFICATION:

- U.L. classified to meet or exceed NFPA 1977 standard on Protective Clothing and Equipment for Wildland Fire Fighting (Current Edition)

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APPENDIX “D”

PGI FireLine Deluxe Wildland Coat Specifications (2009)

MATERIAL:

- 9.0 oz Indura Ultrasoft; Style # 5501872
- Color: YELLOW

SEWING:

- 100% Nomex Tex 60 thread. Matching color.
- Stitches average 9-10 stitches per inch.

SEAMS:

- All seams are safety-stitched: over edge stitch type 504 plus chain stitch type 101.
- Double-needle lock-stitch operations: type 301 with 2 needles.
- Single-needle lock-stitch operations: type 301.

BAR TACKING:

- All stress points are bar tacked with combination stitch type 301 and stitch 304.
- 28 stitches per bar tack.

FRONT CLOSURE:

- Two-way #5 self-locking brass zipper is mounted on Nomex zipper tape is set with single needle lock-stitch.
 - the two-way zipper allows the option for increased range of movement.
 - zipper extends to top of collar for secure closure around neck and face.
- The zipper is backed with self-fabric flap.
- A self-fabric storm flap covers zipper for additional protection, secures shut with an intermittent hook & loop system (4 each 5/8" x 2 1/2").

COLLAR:

- 4" high Alpine style collar.
- Front zipper extended closure; encased with an internal flap and an external flap secured with hook and loop (5/8" x 2 1/2").
- 3" hanger loop at back of collar.

SLEEVES:

- Articulated sleeve eliminates the shoulder seam and contours to fit the natural bend of the elbow.
- Gusseted sleeve cuff incorporates a multiple closure system comprised of an adjustable tab and elastic.
 - Self-fabric tab at wrist measures 1 1/2" wide x 2 3/4" long with 1" x 2" hook.
 - 1" x 4" loop on the cuff, for a full range adjustment of 6".
 - The tab storage 1" x 1" loop is located on the gusset.
 - 1 1/4" elastic allows for a snug yet comfortable fit around the wrist

RADIO POCKET:

- 3 1/2" wide x 8 1/2" high x 1 3/4" deep radio pocket on left breast is set with single needle lock-stitch.
- 4" wide x 4" high flap is secured with 1" x 2" horizontal loop on pocket and 1" x 2" vertical hook on flap for adjustment.
- 2 1/2" wide x 1" high microphone holder is set above the pocket flap.

HIP POCKETS:

- Two oversized cargo hip pockets with back and bottom expandable bellows for extra storage capacity have built-in hand warmer compartments.
 - Pocket size is 9" high x 9" wide with 1 1/4" deep back and bottom bellow and are set with single needle lock-stitch.
 - 9 1/2" wide x 4" high flaps are secured with 2 each 1" x 2" horizontal loop on the pocket and 2 each 1" x 2" vertical hook on flaps for adjustment.

REFLECTIVE TRIM:

- 3M™ Scotchlite™ Reflective Material – Series 9500 Fire Coat Trim.
- 2" wide **fluorescent orange with silver stripe (triple trim)** is set with single needle lock-stitch.
- Located around arms at biceps, across back below shoulder blades and around bottom hem.

CERTIFICATION:

- U.L. classified to meet or exceed NFPA 1977 standard on Protective Clothing and Equipment for Wildland Fire Fighting (Current Edition).

APPENDIX “E” – Minimum Specifications for ISG XR-Elite Thermal Imaging Camera (2009)

INTENT OF SPECIFICATIONS:

- Materials used in construction of the ISG XR-Elite Thermal Imaging Camera system shall be new, unused, and not less than the quality conforming to modern engineering and manufacturing practices. Materials shall be free of defects and suitable for the service intended.

QUALITY ASSURANCE:

- The company manufacturing the Thermal Imaging Camera in response to this bid must furnish proof of current certification to the ISO 9001-2000 quality standard.

COMPLIANCE GUARANTEE:

- Vendors answering this bid must guarantee that equipment tendered comply with all parts of this specification.

WARRANTY:

- The camera shall be warranted by the manufacturer to be free of defects for a period of one year from the date of delivery.
- The manufacturer shall provide 48-hour turn-around time on warranty service work to the equipment in such a manner to return the Camera to Colleton County Fire-Rescue, in normal usable condition, within 72 hours, or to provide for the use of comparable equipment on loan until such time that the Camera is returned to Colleton County.
- The Camera shall be eligible for extended warranties, up to three years of coverage in total. Extended warranty contracts for the Camera shall be provided by the Camera’s manufacturer. The warranty contract shall be eligible for purchase either at the time of original Camera purchase, or in one-year intervals after the initial purchase of the Camera. Extended warranty shall be listed and priced separately at the time of bid.

PHYSICAL and PERFORMANCE SPECIFICATIONS:

- The Camera shall be capable of sensing, imaging, and displaying infrared radiation in the 8 to 14 micron spectral wavelengths and shall have been designed specifically for use within a firefighting environment.
- The Camera shall be hand-held and portable allowing it to be passed from one firefighter to another within a firefighting environment without removing any articles of personal protective equipment.
- In typical ambient temperature environments, when the Camera’s on/off switch is activated to apply power to the Camera, the Camera shall render a usable thermal image in five seconds or less.
- The Camera shall be equipped with a Vanadium Oxide infrared imaging sensor in the 320 X 240 resolution format. Each imaging element or pixel on the camera’s imaging sensor shall be of 37.5 microns in size.
- To facilitate imaging in extreme temperatures in excess of 2000°F, the camera shall have three operating sensitivities. High Sense or “Normal” mode, Medium Sense, and Low Sense or “Thousand Plus” mode. Each operating sensitivity shall be automatically selected by the camera’s operating software with no firefighter intervention.
- To facilitate high quality image representation, the camera shall refresh at 60 times per second by employing a 60Hz update rate to the sensor itself.
- The Camera’s infrared imaging engine technology shall be specifically designed for firefighting and shall be designed, developed, and manufactured by the same company who manufactures the finished camera product.
- The Camera shall incorporate a method to allow experienced firefighters the means to override its automatically selected sense modes (gain modes) without the use of any buttons or physical switches.
- In order to maximize the information provided to users of the Camera, the Camera shall perform non-uniformity correction (NUC) and mode switching rapidly. The freeze-frame associated with NUC and mode switching shall last no longer than 0.08 seconds.
- The Camera shall incorporate a standard video output utilizing a BNC type connector to enable wired transmission to a remote location.

- The internal video signal shall be displayed on backlit 3½ inch LCD with an aspect ratio of 4:3 consistent with the camera's sensor.
- To ensure the waterproofing integrity of the Camera in all situations, the Camera shall be designed to isolate the internal electronic systems from all user accessible areas. The Camera shall conform to the IP67 standard, ability to withstand short-term immersion in water to a depth of three feet.
- The Camera shall withstand multiple drops from a distance of 6 feet on to a concrete surface without sustaining any measurable degradation in performance.
- The Camera shall be of the following dimensions: 5.4 X 6.5 X 4.5 inches.
- The Camera, excluding battery, shall weigh 2.6 pounds.
- The Camera shall be upgradeable to be operational using disposable AA type alkaline batteries and shall provide nominally two hours of operation with the internal display device in the ON position.
- To eliminate confusion the camera shall not incorporate a "sleep" mode that turns-off the camera's internal LCD display while the camera is "on".
- The Camera shall incorporate an on-screen battery level indicator consisting of 10 battery level increments. The battery level indicator shall also incorporate a low battery warning that, when used with a wireless transmission device, transmits the battery level information and low battery warning information to the receiver located remotely from the camera.
- The Camera's rechargeable batteries shall be capable of operating the camera with the camera's internal display device ON for a minimum of 2 hours. The standard batteries shall be upgradeable, at the customer's request, to alternate batteries capable of operating the camera with its internal display device activated for at least 4 hours on each battery nominally.
- The camera's "pistol grip" handle shall be removable. To minimize hazards, the camera shall have no electrical interface and/or electrical connections between the handle and the camera's main housing. The handle shall be easily attached and detached from the camera's main housing without the use of tools to facilitate quick removal and attachment at a fire scene.
- The camera shall incorporate an automatic active temperature stabilization system that uses the Peltier Effect. When the camera's electronics heat-up to a predetermined critical temperature, the temperature stabilization system automatically activates to dissipate heat from the electronics and move the heat into a heat sink.
- The camera shall have the ability to be upgradeable to incorporate the capability of saving thermal images to on-board memory for download to a personal computer using a standard USB interface. A capacity of at least 500 images shall be incorporated and stored in the camera's internal memory. Furthermore, the personal computer, using MS Windows XP operating system, shall recognize the camera as an external memory source such as an external disk drive.
- The Camera shall incorporate through-the-lens direct temperature measurement capability that measures relative surface temperature readings. The direct temperature measurement readings shall be displayed, in numerical form, in the upper right hand corner of the internal display device.
- The direct temperature measurement capability incorporated into the Camera shall be capable of measuring temperatures in excess of 2,000°F.
- The camera shall use NiMH type rechargeable batteries.
- The camera shall be equipped with two rechargeable batteries.
- The camera shall be manufactured in the United States of America.
- Fast Track 755 Plus, 12 volt vehicle charger with mounting hardware.
- Retractable Lanyard 110
- Digital Frame Capture
- Tac Grip # 150 removable handle

APPENDIX “F” – Minimum Specifications for Leather Helmet Fronts (2009)

STYLE:

- Traditional, 6-1/4 inches
- Must fit Cairns Model 1044 firefighting helmet
- Must be supplied with pre-punched holes to fit Cairns Model 1044 firefighting helmet
- Must be equipped with a brass Backer Bar to provide support to the leather shield
- To be supplied with two ached upper panels and one straight lower panel.
- A 1-5/8 inch chrome/silver medallion to be permanently affixed between the lower and second upper panels.

MATERIAL:

- Leather
- Body Color: Black

STITCHING COLOR:

- Black

PANEL BACKGROUND COLOR:

- White Reflective

PANEL LETTERING COLOR:

- Black

LETTERING:

- Upper panel – **COLLETON COUNTY**
- Second upper panel – **FIRE-RESCUE**
- Lower Panel - **FIREFIGHTER**

MEDALLION:

- Firefighter Scramble
- Color – Silver/Chrome

