



**LINCOLN UNIVERSITY
PURCHASING DEPARTMENT
REQUEST FOR PROPOSAL (RFP)**

RFP NO.: B19-1170
TITLE: Band Uniforms
ISSUE DATE: April 4, 2019

REQ NO.: 124065
BUYER: Mike Rothermich
PHONE NO.: (573) 681-5417
E-MAIL: rothermich@lincolnu.edu

RETURN PROPOSAL NO LATER THAN: April 16, 2019 AT 2 P.M. CENTRAL TIME

MAILING INSTRUCTIONS: Print or type **RFP Number** and **Return Due Date** on the lower left hand corner of the envelope or package. Delivered sealed proposals must be in the Lincoln University Purchasing Department (1002 Chestnut St, Room 101) by the return date and time.

RETURN PROPOSAL TO: (courier service)
**LINCOLN UNIVERSITY
1002 CHESTNUT ST
SHIPPING & RECEIVING BLDG
JEFFERSON CITY MO 65101**

CONTRACT PERIOD:

The offeror hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all requirements and specifications contained herein and the Terms and Conditions Request for Proposal (Revised 04/23/2010). The offeror further agrees that the language of this RFP shall govern in the event of a conflict with his/her proposal. The offeror further agrees that upon receipt of an authorized purchase order from Lincoln University or when this RFP is countersigned by an authorized official of Lincoln University, a binding contract shall exist between the offeror and Lincoln University.

SIGNATURE REQUIRED

AUTHORIZED SIGNATURE		DATE	
PRINTED NAME		TITLE	
DOING BUSINESS AS (DBA) NAME		LEGAL NAME OF ENTITY/INDIVIDUAL FILED WITH IRS FOR THIS TAX ID #	
MAILING ADDRESS		IRS FORM 1099 MAILING ADDRESS	
CITY, STATE, ZIP CODE		CITY, STATE, ZIP CODE	
VENDOR NO. (IF KNOWN)	TAXPAYER ID NUMBER (TIN)	TAXPAYER ID (TIN) TYPE (CHECK ONE) <input type="checkbox"/> FEIN or <input type="checkbox"/> SSN	
VENDOR TAX FILING TYPE WITH IRS (CHECK ONE) <input type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> State/Local Government <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor <input type="checkbox"/> Other			
CONTACT PERSON		E-MAIL ADDRESS	
PHONE NUM BER.		FAX NUMBER	

NOTICE OF AWARD (LINCOLN UNIVERSITY ONLY)

ACCEPTED BY LINCOLN UNIVERSITY AS FOLLOWS:		
CONTRACT NO.		CONTRACT PERIOD
BUYER	DATE	PURCHASING DIRECTOR

Band Uniforms

This is a Request for Proposals (RFP) issued by Lincoln University (hereinafter referred to as the “University” or “LU” or “Lincoln”) seeking proposals from experienced and qualified vendors to provide new Band Uniforms for LU Marching band.

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SECTION 1. SCOPE OF WORK

1.1. OBJECTIVE

The purpose of this Request for Proposals (RFP) and resulting contract is to solicit proposals from a qualified company to provide new band uniforms for the LU Marching Band including sizing, delivery and providing a software for inventorying the uniforms by **October 1, 2019.**

It is our intent to purchase “Band, Drum Major and Director Uniform” in the quantities as shown on the proposal form along with software for managing uniform inventory.

1.2. RFP QUESTIONS

Any inquiries regarding submittal of proposal or any questions concerning specifications **shall be in writing** and sent via email to:

Mike Rothermich, Buyer I

rothermichm@lincolnu.edu

Phone: 573-681-5417

1.3. NO CONTACT POLICY

After the date and time established for receipt of proposals by the University, any contact initiated by the Offeror with any University representative, other than that of the purchasing representative listed herein, concerning this request for proposals is prohibited. Any such unauthorized contact may cause disqualification of the Offeror from this procurement transaction.

1.4. SCOPE OF SERVICES

The offeror must be an established company in the business of providing high quality band uniforms suitable for College/ University marching bands.

The successful offeror shall provide a narrative statement describing the offeror’s expertise, qualifications, and specialties, if any.

The successful offeror shall provide a single point of contact for uniform discussions.

All bidders must submit separate prices on each item being bid upon. A purchase order will be issued by LU as soon as possible after the contract is awarded.

The use of a name of an item, material, product, special brand or make, in describing any item herein, does not restrict bidders to that particular item, unless otherwise stipulated. This means being used simply to indicate the quality, cost, tailoring and workmanship of the article desired or acceptable; however, the goods and processes on which proposals are submitted must, in all cases, be equal to or better in quality.

The University reserves the right to accept or reject any or all proposals and waive informalities therein.

All bidders should supply a rough mock-up sample uniform by April 16, 2019. The sample uniform is not required to meet color and style specifications, but must conform to the details of workmanship and component

parts. Any differences must be listed and explained. All major items and separate items being proposed should have a sample present for comparison. It is to be completely understood that it is the intent of the University to have all items examined carefully and compared by persons conversant with quality of materials, tailoring and workmanship. All bidders must submit liberal sized swatches of basic fabrics, reflecting the weight, shade, and indicating the mill supplying the materials, which would be used. **The University must be allowed to disassemble the mock up sample as it desires in order to determine the quality of construction. Samples will be returned in the condition at the time subsequent to evaluating the proposals at the request of the proposer.**

Upon being awarded the contract, the contractor must prepare a final pilot uniform for approval, if requested, in the actual design and construction designated by LU herein. It is to be understood that minor changes in the design may result when the pilot uniform is inspected by the LU. The pilot uniform must be furnished to LU promptly after the contract award and shall be subject to the approval of the University from all aspects of the design, construction, tailoring, workmanship, etc., and written approval thereof will be furnished to the contractor before any construction of the order is undertaken by the contractor. The pilot uniform will be returned to the contractor by the University and the quoted production delivery time will begin upon receipt of sample, sample approval, purchase order and measurements at the vendor's place of business.

Upon being awarded the contract, bidder must send a standard fitting scale to the University. Bidder should give recommendations of sizes to outfit 125 uniforms.

All uniforms will be constructed with the realization of the hard usage to which they will be subjected, the year-to-year fitting problems inherent with students and shall feature construction, which will assure a long-lasting garment. Patterns for the coats are to be unisex patterns and same male to female.

Care and maintenance booklets are to be submitted with each complete order, including a separate booklet on dry-cleaning instructions.

Uniform management software: Please see separate form entitled "Uniform Software Information Sheet" for the software requirements.

Inspection: All garments are to be carefully inspected before final packing and shipment. All thread ends to be picked and cut and specifications, trim and details to be critically checked for each individual garment prior to shipment.

1.5. EVALUATION CRITERIA

Award will be based on the review and analysis of numerous factors, which will include, but not be limited to, the following: Proposed approach to scope of work, Quality of materials and construction, References, Ability to meet desired timeframe, and costs.

Proposal Page

We have reviewed the attached specifications and unless deviations are listed, will supply uniforms and accessories, as specified.

Qty	U of M	Item	Unit Price	Extended Price
125	EA	Plume	\$_____	\$_____
125	EA	Shako	\$_____	\$_____
125	EA	Shako Case	\$_____	\$_____
125	EA	Coat	\$_____	\$_____
125	EA	Trousers	\$_____	\$_____
125	EA	Garment Bag with imprint and hanger	\$_____	\$_____
125	EA	Varsity all weather parkas quilted with imprint	\$_____	\$_____
2	EA	Drum Major Uniforms	\$_____	\$_____
2	EA	Director Uniforms	\$_____	\$_____
		Shipping		\$_____
		Total		\$_____

F.O.B Destination

TERMS:

If awarded the contract, we agree to ship a final pilot uniform within _____ days and to ship the entire order within approximately _____ calendar days after approval of final pilot uniform and receipt of necessary details and measurements. We acknowledge that the University expects to have all uniforms no later than October 1, 2019 so long as a purchase order is issued no later than May 1, 2019.

Company: _____

Date: _____

Address: _____

Telephone: _____

Signed By/ Title

Uniform Software Information Sheet

It is the desire of our band program to have a software system available with the following features:

- A uniform management system (UMS) that is “cloud” or “web” based.
- UMS that easily assigns uniforms based on just a few measurements or pieces of information.
- UMS that is accessible with any desktop or laptop computer or any handheld device wherever an internet connection is available.
- UMS that is accessible with login and password that can be adjusted and changed by the user.
- UMS that is free of the need for “upgrades” performed by the customer. All upgrades will be performed by the program administrator.
- UMS that is available for examination prior to actual purchase of uniforms.
- UMS that is provided at no charge and is free of any yearly charges or fees.

Please fill out the questions below and return this signed page with your proposal.

1. Do you provide a UMS program at no additional cost? ____ Yes ____ No
2. If yes, is your program “cloud” or “web” based? ____ Yes ____ No
3. If not, how is your program delivered? _____
4. Can your UMS program be accessed by any computer or handheld device that has a web/internet connection?
____ Yes ____ No
5. Will your UMS program be available prior to order? ____ Yes ____ No
6. Are there any yearly fees for the use of your UMS program? ____ Yes ____ No
 - a. If so, what will the fee be for each year? _____
 - b. Is there a price escalation each year such as 2%, 3%, etc.? Please list if so _____%

I hereby confirm that the above answers are correct to the best of my knowledge.

Signed Title Date

SECTION 2

STYLE & DESIGN SPECIFICATIONS

FABRIC COLORS – Colors should reflect the University colors:

<https://www.lincolnu.edu/web/advancement/university-relations> click on Style Guide (pdf) page 3 will the tiger logo (The Athletic Logo), page 5 will have approved school colors along with a complementary color palette

FABRIC – “Highest” quality moisture wicking material. Color choices for the band uniforms shall be a light blue, navy blue and White. Uniforms should contain a bar code.

PLUME – 12” French Upright two color white and Copen Blue.

SHAKO – Flat top 1 ½” taller than standard. Top, top and bottom bands white grained Naugahyde, sides covered in dark blue, front strap white plastic and white visor. Front ornament Interlocked full block letters “LU” in light blue outlined in white.

SHAKO CASE: 12” X 12”, made of Co-Poly Polypropylene with pebble grained finish. Rounded handles with latch placed behind handle. Case to include stacking nodes.

COAT: Full length front, full length back with standing military Comfort Collar, 4 piece back pattern, center concealed front zipper and easy alter snap cuff.

Coat, collar and shoulder straps navy blue and left side of coat front white. Left chest area 3 ½” – 4” Tiger head direct embroidery copen blue, navy blue and white.

Right side of coat 3 1/2” vertical stripe light blue edged white. Set vertically down slash stripe full block letters “LINCOLN” in white. The 2 center back panels light blue with body seams trimmed in white. Center upper back interlocked full block letters “LU” navy outlined in white; 8” tall.

Both sleeves navy blue. Upper shoulder area a shoulder cap applique white extending down to a point with bottom edge trimmed with navy stripe with light blue stripe on bottom all set in ½” from edge. Centered on cap special band “marching musical STORM” logo direct embroidery white copen blue and navy detail.

Lower cuff trim light blue one chevron bar edged bottom in ¼” white with same white border on top forming a 3-loop clover leaf trefoil.

BIB TROUSERS: High quality moisture wicking material. Navy blue with side seam stripe, 2 ½ “light blue edged ¼” white. Set down center of stripe a series of tiger head logo in copen blue, navy and white 3” tall. Trousers include 2 ½” center back seam, fabric suspenders with nylon fasteners, black surgical elastic at the back bottom of suspenders for flexibility in standing and sitting, 7 ½” top facing, 4-way crotch reinforcement, taped front fly with brass zipper and two gripper snap closure, waist darts in back, easy alter snap tape adjustable hems. Sewn down perma-crease. Wallet size pocket on inside left facing.

GARMENT BAGS: Black nylon with full width accessory pocket, Ident-A-Peek window and one color imprint.

DRUM MAJOR: Same fabric as band and design, accessories per design sketch to include shako, coat, citation cords, bib trousers, leggings and nylon garment bag.

DIRECTOR UNIFORM: Uniform to include navy cap with oak spray trim on band and music lyre front ornament. Coat – 2 button notched lapel with upper welt pocket and lettering “DIRECTOR”. White shoulder knots on each shoulder and 3 looped trefoil on each cuff. Navy trousers with 2 side and 2 hip pockets built in suspenders.

SECTION 3

FULLY CONSTRUCTED/LINED COAT MADE TO WASHABLE SPECIFICATIONS

3.1. GENERAL

Due to the unique requirements of a band coat (relative to the number of different wearers, minimum care received, wearing conditions and life expectancy), special patterns, materials, design and construction methods must be applied. These specifications speak directly to the requirements of construction, which allow for professional washing OR dry cleaning of the garment.

3.2. PATTERNS

- A. Patterns are to be marked and graded using a computerized system to insure accuracy and updated patterns
- B. Patterns need to be generated by computer to ensure proper fit for all male and female band members, with no restrictions or limitations to chest area. Likewise, sizes will be assigned in needed “lengths” from XXS through XXXL. Coats will be patterned for EACH even numbered chest size.
- C. Coats will need to have special patterns that will allow the band members to allow for freedom of movement, wearing clothing underneath and the convenient re-issue from year-to-year. Fashion or standard patterns do not allow enough room. Merely up-grading the coat to oversized patterns will not work.

3.3. FABRIC

- A. The shell fabric shall be constructed of the “highest” quality moisture wicking material that will provide increased air permeability.
- B. The fabric shall be **stain resistant, tear resistant, Odor resistant, quick drying, colorfast and will not pill**. Fabric shall be able to keep the performer cool in hot temperatures and warm in cooler temperatures.

3.4. SIZING

- A. Measurements will need to be taken by a trained representative.
- B. Sizes are analyzed by a computer sizing software that will assign the closest standard proportion size to each wearer in order to permit re-issuing in subsequent years.

3.5. LINING

- A. Coat linings are to be cut from a separate set of patterns designed specifically to fit the particular style of coat. Linings are **not** to be cut from coat patterns and then cut down to try to fit.
- B. Lining material shall be comprised of the highest quality material that will contain moisture absorbing properties. The absorption, diffusion and evaporation of the lining will help maintain a cool body temperature and excellent comfort.
- C. In coat styles that do not utilize a back zipper, the coat shall have a vertical pleat running up the center of the back. This allow fullness, fit and comfort to the overall performance of the coat.
- D. The lining is COMPLETELY sewn around the armhole.

3.6. INTERLINING

- A. Interlining should consist of four (4) layers.
- B. The main layer of the interlining shall be a Hymo haircloth. This hair canvas shall consist of a blend of rayon, polyester, viscose, and natural hair canvas, which gives it soft resilience. Material used for the inner lining shall be 100% washable with no shrinkage or loss of rigidity. This layer extends the complete length of the coat front, from the shoulder seam to the coat bottom.
- C. The second layer shall consist of an additional chest piece of “MONO-FLEX” at approximately 4.2 ounces in weight. The Mono-flex will need to have a dimension of approximately 6” wide by 6 ¾” long and extending downward from the upper chest area.
- D. The third layer shall be another piece of the hair canvas same qualities as per “B” above. It’s dimensions are approximately 8” wide by 12” long extending downward from the upper chest area, and completely covering the MONO-FLEX.
- E. The fourth layer is approximately a ¼” thick padding that is made from non-woven material that is soakable and non-shrinkable, and extends approximately 6” below the arm hole area. This material adds more resilience to the chest and arm hole area.
- F. This entire multilayered interliner shall be sewn together with a series of eight to ten rows (depending on chest size) of zig zag stitching spaced approximately 1” apart. This is the optimum number of rows as recommended by the garment industry standards. Too many rows will reduce the flexibility, comfort and fit. Too few rows will limit durability and lifetime.
- G. The interliner is then secured to the coat shell fabric and coat lining, in the neckhole, armhole, bottom front and along the coat closure edge. A tailoring tape of 100% PIMA cotton, triple cold water shrunk, is included in these seams for added durability. The interlining is NOT sewn into the shoulder seam, nor the side of the coat. This allows flexibility and “give” to the entire coat front construction.
- H. In white coats and other light color fabric shades, a piece of thin white Poly-sil is to be added to prevent “shadowing” of the haircloth interlining through the out coat fabric.

3.7. ARM HOLES

- A. Arm holes shall be oval shaped and allow sleeve to be pitched forward approximately 3-4 degrees to maximize comfort and ease of movement with minimum distortion to coat.
- B. Armhole shall be reinforced with ¼” pre-shrunk cotton tape around to prevent stretching in the armhole.
- C. Armhole shall be stitched using garment industry standards.
- D. The underarm portion of the armhole will have a bi-swing gusset allowance that allows freedom of movement.

3.8. SHOULDER PADS

- A. Shoulder Pads shall consist of a high-quality foam, covered all around with a lightweight polyester lining, serge stitched around the curvature of the pad and are washable and dry cleanable.
- B. Regular coat styles shall have a should pad approximately 5” by 9”.

3.9. SLEEVE HEAD

- A. Sleeve head provides fullness and shape to the top of the sleeve as it is sewn to the coat body. It consists

of a separate strip of material used for the white chest piece. The sleeve head should be approximately 14" and is equally positioned over the shoulder, to the front and back of the upper sleeve seam. The finished width is 2 ¼" at the lower front and tapers to 1 ¾" width at the lower back. The construction consists of a ¾" turnback on the armhole edge, and has a seam spaced ½" from the edge. Sewn into the lower front portion of the white pad strip, is a 2 ½" x 4 ½" piece of "haircloth".

3.10. ARMHOLE LINING FINISH

- A. Bottom of sleeve armhole shall be lock-stitched through two layers of lining, two layers of fabric and arm shield.
- B. Top shall be sewn through the coat lining, sleeve fabric, sleeve head, shoulder pad and shoulder strap with lock stitching.
- C. Entire armhole has tailoring tape all around.
- D. "Felling" by hand or machine is not acceptable when closing the armhole.

3.11. TAPING

- A. All seams in high stress areas shall be reinforced with a pre-shrunk tailoring tape to help prevent stitching and add durability to the seam.
- B. Areas to be taped are shoulder seams from around the collar (neck opening) to sleeve seam, complete circumference around the armhole, coat closure edges, and around the coat boat.

3.12. POCKETS

- A. All inside pockets shall be constructed with a pocket welter and shall be reinforced with a non-woven fabric.
- B. Pocket material shall consist of approximately 80/20 poly/cotton, 100% fill.
- C. Upper and lower welts of inside breast pocket are to be 100% polyester material and pellon back.
- D. Pockets shall be "bagged" with no open seams at bottom.
- E. There shall be a tack at each end of the pocket opening through all layers of pocketing. Tacks shall be concealed.
- F. Pockets made of lining or lightweight material are not acceptable.

3.13. SLEEVES

- A. Sleeve cuffs shall have an approximately 4" turn up which incorporates both the coat sleeve fabric and lining. This turn back includes a 3/8" binding at lower cuff edge.
- B. Sleeves shall be stitched according to garment industry standards to give durability in high stress areas and the ease of movement.
- C. The forward and trailing sleeve seams in a 50/50 sleeve pattern are equipped with a series of snap rings. Two posts, spaced 1" apart, are applied to the lower sleeve cuff edge, at both seams in each sleeve. Approximately six (6) ring style fasteners are positioned starting 2 ½" up from the cuff edge and are spaced approximately 1" apart.

- D. Shoulder lettering and embroidered logo trim shall have a reinforced backing layer on the inside of the sleeve.
- E. Should sleeve cuffs have extensive cuff trim (looped braided designs, embroidery) will need to be reinforced with a non-woven material, bonded permanently to the inside of the coat fabric extending up toward the elbow area. This is to prevent puckering tendencies created by use of fabrics, braids, etc. which each have a different coefficient of stretching.
- F. Coats are to be shipped fully steam pressed, but without a crease at the sleeve cuff bottoms.

3.13. ARMSHIELDS/ PERSPIRATION SHIELD

- A. The arm shield/ Perspiration shield should have an approximate dimension of 4” square. It should be placed under lower part of the arm hole.
- B. The shield will need to be comprised of a fabric having WICKING properties.
- C. Shield is engineered to minimize the effects of perspiration over the lifetime of the garment.

3.14. BRAID

- A. Only first quality washable braid shall be used for trim. Braid trim ¼” or wider, is sewn down with two rows of stitching on looped trims as well as straight line. In addition, looped trim is reinforced with a layer of non-woven fabric, permanently bonded to the inside coat fabric surface to inhibit puckering tendencies.

3.15. BUTTONS/BUTTONHOLES

- A. Buttons shall be high-quality, rust resistant metal to be used where specified and they shall be attached by sewing, ring and washer or toggle and wash or tack-back. Buttons shall not alter the washable capabilities of the garment.
- B. All button holes shall be manufactured with a method known as “Cut-First”. The holes are cut first, the edges covered with gimp, then completely sewn to “close” the buttonhole. The buttonhole back is secured and closed with bartack reinforcement.

3.16. ZIPPERS

- A. Zippers should have a style of YKK, heavy duty of color matching VISLON. Zipper has auto-locking capabilities.
- B. Zipper tapes are shall be standard at 9/16” width, sewn down with locked safety stitching and bar tacked at each end.

3.17. SEAMS

- A. Coats are to be completely machine stitched except in areas where tailoring or appearance necessitates other methods.
- B. The end of all seams and stitching shall be back-stitched not less than ¼”.
- C. Coat is to be tailored with a four-piece back, comprised of a center back seam and two additional back body seams curving from sleeve seam downward and running out the coat bottom.

3.18. THREAD

- A. All threads are to be heat resistant, vat dyed, sun-fast, dry-cleanable, pre-shrunk and moisture proof.
- B. Threads need to have tensile strength that can last in high stress areas and allow for ease of movement

3.19. SHOULDER STRAPS

- A. Both the upper and lower layers of the shoulder strap are interlined with permanently bonded, non-woven material. This four layer ensemble is secured with an inside hidden stitch then top-stitched all around the edge, set in approximately ¼". These layers are die-cut to insure exact conformity in shape and size, throughout the lifetime of the garment.
- B. Buttonholes are the CUT-FIRST style, having all raw edges reinforced with gimp, then solid stitching as described earlier in the Buttons/Buttonhole section (3.15, B).

3.20. COMFORT COLLAR

- A. The collar is one of the highest stress areas in the coat. The collar is cut from a curved pattern. This allows a front "drop" to fit the downward front slope of the natural human body configuration. This item is NOT to be cut in a straight pattern.
- B. There are a total of eight layers in this comfort collar construction.
- C. The collar lining of shall be same fabric qualities, as described in the fabric section (3.3. A. B.), has a non-woven material, permanently sewn and bonded to the inside.
- D. Sewn directly to the inboard surface of this tandem collar lining construction, centered on the lining and running the circumference of the collar are two layers of 3/8" horse hair braid reinforcement.
- E. The outer collar shell, also made of same fabric qualities mentioned above, has a non-woven material permanently sewn and bonded to the inside.
- F. Both the collar lining construction and the outer collar shell construction are sewn to two base layers of heavy duty Pellon forming the finished comfort collar.
- G. The entire sewing operation in the construction of the collar is "machine-sewn". Hand sewing simply cannot insure the required durability.

3.21. "WRAP" COAT COLLAR

The standing collar on the wrap style coat is "soft", in that there is no inner layer of stiff mylar. This collar generally measures 1 ¾" finished width. The inside lining is same fabric quality listed in section (3.3 Fabric A &B) having a permanently bonded layer of non-woven fabric to reinforce the collar. The outer layer of the collar is also the same fabric quality listed in section (3.3 Fabric A &B) having a reinforcing layer of MONOFLEX (resilient canvas of 27.6% rayon/72.4% polyester – 4.2 oz. weight) stitched in. This results in a reinforced "soft" collar having four layers. All exposed edges are turned inward with an invisible row of stitching. A visible row of topstitching is added all around the edge. There are no exposed, rough edges.

3.22. COAT TRIM

- A. All trim must be sewn to the outer coat fabric before the lining and interlining are joined to the coat. Trim sewn through the interlining and lining is not acceptable.

B. Washable braid trim of ¼” or wider is sewn down with two rows of stitching. This includes looped trims as well as straight line. In addition, looped trim is reinforced with a layer of non-woven fabric, permanently bonded to the inside coat fabric surface, to inhibit puckering tendencies.

3.23. SPECIAL COAT STYLES

A. Seamless canopy coat styles will require a “Memory Recovery” system across the upper back and shoulders due to the under construction across each shoulder.

B. The Memory Recovery system is a 2 ½” wide panel of heavy duty light weight elastic, made of 90% (70 denier) nylon and 10% (140 denier) Spandex. It is sewn into each sleeve seam in the coat back area, and extends fully across the coat back. When the wearer of this coat style is in an arms down position, the system is relaxed. During an arm lift maneuver the entire coat back experiences stress and pulling across the shoulders. The Memory Recovery system brings the various fabrics, folds and coat parts, back to the original “EASE” position when arms return downward. This entire process prevents unsightly bulging. The durable elastic panel is included in the manufacturer’s warranty.

Section 4: Bibber/Jumpsuit Specifications

4.1 GENERAL

Bibber/Jumpsuits are special marching band construction and design, and shall not employ fashion tailoring techniques, materials or patterns that will not withstand the rigorous end use of band uniforms. Fashion pocketing, waistband material and construction, lightweight snaps and hooks are not acceptable.

4.2. FABRIC

- A. Fabric shall be the same quality as indicated in Coat Specifications under Fabric Section (3.3. A &B)

4.3. PATTERNS

- A. The patterns and style must be in keeping with the end use of marching, with maximum capability to be adjusted for fitting a variety of wearers year after year.
- B. Must have ample room for movement and be nonrestrictive for marching, in the seat, thigh and ankle area.
- C. There shall be patterns for male and female.
- D. There shall be two (2) rear waist darts to reduce fullness from the seat to the waist.

4.4. FRONT CLOSURE

- A. Front zipper shall be brass and “Y.K.K” quality with a double locking slide. There shall be a brass metal stop at the base of the fly zipper. The fly teeth shall extend completely up under the waistband to prevent the slide from coming off the top of the zipper.
- B. Shall have two (2) stainless snaps at the top of the fly
- C. The outside fly consists of the outer shell fabric, an inner layer of shell fabric, and a middle reinforcing layer of non-woven fabric. The lateral edge of shell fabric on the inside of this fly assembly is completely bound with a polyester bias tape.
- D. The inside fly shall be constructed with a layer of outer shell fabric having two layers of “four way” fabric sewn to the inside. The “four way” material is 80/20 polycotton, 100% poly fill, 3.5 yards per pound, with a pre-cured finish. This inside fly extends down into the four-way crotch and finishes approximately 1 ¼” beyond the four-way. This fly lining is stitched down on both edges, to prevent “rolling”.
- E. There are two vertical bar tacks on the inside fly lining and one vertical bar tack on the outside of the base of the fly ¾” up from the bottom of the fly. The purpose of the outside bar tack is to eliminate stress on the zipper track and to prevent tearing when the trousers are being put on. This bar tack is vertical to insure maximum number of stitches on the seam, and positioned to be not noticeable.
- F. The outside, three layered front fly measures 1 ¾” in width. The inside, three layered front fly measures 2” in width.

4.5. POCKETS

- A. Pants pocketing is high grade; acceptable for use by government agencies, 80/20 poly/cotton, 100% textured poly fill, pre-cured finish, 3.5 yards per pound.

- B. Pockets are “bag” construction, consisting of one piece of pocketing turned and stitched. There are no seams at the bottom of the pocket and no exposed serging stitches.
- C. If standard exposed hip pockets are used, they shall be double welt construction and reinforced with interlining.

4.6. CUFF HEM

- A. The bottom of the trouser leg has a 3” turnback on the inside, including a preshrunk binding of flat polyester bias hem tape. This tape is a total width of approximately 1 ½” before being applied to the trouser cut edge. It is folded over the cut edge and sewn down leaving a finished width of approximately ¾”. This hem is now blindstitched back to the inside of the trouser leg.
- B. Pants shall have a series of snaps placed in the center on both the outer seam and inner seam for adjustability.

4.7. SEAMS

- A. The center back, seat seam is sewn with two rows of locked chain stitching. There is a 3” Browne outlet along this center back seam.
- B. Inseams are sewn with a highly durable expansion stitch, allowing flexibility in this stress area. These seams are constructed with 5/8” seam allowances, and are of the “flat” style. Out seams are double folded over with the edges sewn together.
 - i. Bibbers/Jumpsuits with expandable gusset option shall be constructed with the inseam having the “flat” style seam with approximately 5/8” allowance

4.8. TRIM

- A. All jumpsuit/bibber stripes shall continue the full length of the leg through the turn-up and are covered with tape at the raw edge of cuff.
- B. Stripes are set no more than 1/8” from side edge of adjustable “V” to minimize stripe distortion. All straight fabric stripes are double thickness to prevent shadowing and pressing marks.
- C. Trim shall be centered on and will cover the side seam for aesthetics and seam reinforcement.

4.9 SUSPENDERS

- A. Suspenders are made of whipcord fabric. Color shall match jumpsuits/bibbers. Nylon webbing shall not be used because the adjusting slide will not remain in set position under tension from movement.
- B. Suspenders are two-ply, topstitched, and have interlining for body. This will insure the adjustable slide remaining in set position; suspenders will dry clean as well as jumpsuit.
- C. All hardware is unbreakable nylon as used in parachutes and life vests; unbreakable, unbendable and not subject to tarnishing or rusting. It will not cause undue abrasion on jumpsuit during dry clean tumbling.
- D. Suspenders are self-faced and interlined with pellow.

4.10. PERIMETER SERGING

- A. All exposed “raw” edges not covered with tape are serged with a “serging stitch of no less than 10 per inch, tight to edge, to prevent fraying.
- B. Serging thread is polyester.

4.11. UNDERARM

When an underarm gusset is specified for adjustability features, a heavy duty two-layer color matched lycra wedge is sewn into the upper portion of the pant outseam. This gusset is cut into an elongated diamond shaped pattern 19 ½” long and 3 ½” at its widest point. The two elongated points are matched together, allowing the double layer of lycra to be sewn into a proportionate V shaped notch. This results in a gusset, double layers, 2 ½” wide at the top of the jumpsuit in the “underarm” area, and extending downward to a finished length of 7 ½”. This adjustable feature will allow up to 3” larger fit around the torso.

4.12. UPPER FACINGS

Inside upper facings are essential in providing body and dimensional stability to the curved cut all around the upper edge of the jumpsuit/bibber trouser, extending upwards to accommodate the shoulder strap. The following dimensions are standard:

Center Back Seam	7 ½”	Deep
Underarm	5”	Deep
Back Shoulder Strap Extension	11”	Deep
Front Shoulder Strap Extension	9”	Deep

SECTION 5: SHAKO HAT/ CARRY CASE CONTRUCTION SPECIFICATIONS

5.1 GENERAL

It is important that the shakos be made by the manufacturer of the uniforms. This will insure that all the manufacturer's quality control practices will be followed. The practices include (but are not limited to), workmanship consistent with uniform, fabric matching, and timely delivery.

5.2. BODY

- A. Shako body is vacuum-formed high impact styrene .135" gauge white plastic and has high rubber content to prevent cracking. Body is pliable and flexible to conform to wearer's head, in an "oval" shape, rather than circular or round.
- B. There is to be a separate shell size for each head size.
- C. Each hat has a clear ident-a-peek pocket in the inside top with the size imprinted in ¼" letters for ease of issue. Each ident-a-peek contains a card to identify the wearer. A size sticker is also applied to the inside top.

5.3. COVERING

- A. The fabric side covering is pulled down to the bottom edge of the shako body, then turned back 1 ½" up inside the shell. Two rows of stitching secures the side covering to the molded shell. One row is polycore poly wrap thread, lock stitched. The second row is Telex 135 poly tex thread, also lock stitched. This sewing operation extends all around the entire bottom edge of the molded shako body.
- B. The two rows of stitching described in section A above, secure a total of six layers for maximum durability. These layers, from the outside to inside, are: BOTTOM SIDE BAND, VINYL HEADLINER, SIDE COVERING, MOLDED SHAKO BODY, SIDE COVERING TURNBACK and VINYL HEADLINER TURNBACK.

5.4. HEADLINER AND SPECIAL FEATURES

- A. Headliner shall be cotton backed, expanded vinyl with embossed finish. There are six scallops with metal eyelets to receive drawstring for adjustability.
- B. Headliner is turned and sewn with a lockstitch in such a manner to allow for adjustability.
- C. Headliner extends around the bottom edge of the plastic body, and stitched through. This results in two layers of material (outer fabric and vinyl headliner) to secure and protect the bottom edge of the shako shell body.
- D. There is a metal eyelet on each side of the hat body where the button prong passes through plastic.
- E. High density polyethylene plume sockets are included and riveted to the body.
- F. A metal spacer is used to affix the front chain to each side button.

5.5. VISOR

- A. Visor is non-breakable one-piece plastic, not laminated. It is secured to the shako body with lock-stitch safety

sewing.

- B. Visor color is molded through entire body of visor. The material is an engineering grade copolymer with low-temperature toughness, stain proof, fade and discoloration proof, impervious to ultraviolet light (sunlight).

5.6. CHINSTRAP

- A. Chinstrap is $\frac{3}{4}$ " pliable plastic with metal buckle and roller, and has a $\frac{1}{2}$ " keeper.
- B. There are metal eyelets at chinstrap ends where button attaches (to prevent strap from being torn by button shank).
- C. There is a $\frac{3}{4}$ " nickel-plated brass chinstrap hook at the rear of the shako, attached with a metal clip.

5.7. BUTTONS

- A. Side buttons are three-piece metal.
- B. Buttons consist of prongs, base plate, and face plate. Side buttons are metal with spread prongs. Plastic buttons are not acceptable.

SHAKO, HELMET AND BAND ACCESSORY CARRY CASE SPECIFICATIONS

Headwear carry case is "Shako-Mate" or equivalent.

MATERIAL: High Impact Polystyrene. This material is heat resistant, which prevents melting, and cold resistant, which resists breakage due to the material becoming brittle.

SIZE: 12" by 12" to accommodate headgear and plume as well as various accessory items. Smaller boxes that prevent plume and accessories from being stored are not acceptable.

HANDLE: The handle is rounded with the latch placed behind the handle. Boxes with the handle on top, preventing ease in removal from stacked position, are unacceptable.

- A) Carry case has a pebble grain finish to compliment appearance and prevent scratching.
- B) Inside of box has reinforcement flanges to allow for stability, and aid in stacking when containers are stacked in open position.
- C) Carry case is stackable to allow for storage. Stacking nodes are to be on underside of container with receiving units on top.

Attached with this RFP document will be the Terms and Conditions of the RFP