

**UNIFORM SUPPLY E-BID SPEC MANUAL  
REVISED: 1-21-14**

**(MOUNTED) RAINCOAT (DUSTER) OUTDOOR OUTFITS® ISO 9001:2000 OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10049937)**

The raincoat shall be full-length 49" inches linebacker coated 100% nylon. Color Black. Snap-on hood. Over jacket design with raglan shoulder and gusseted back to allow the lower portions of the jacket to snap around each leg when you're in the saddle. The jacket will have 10" inch slash pocket. Corduroy collar with collar stand. Two piece sleeves with ventilating eyelets. Snap fly front and gusset. Badge eyelets on front left side. On front left side, 1" above badge eyelets in two lines "HOUSTON" in 1/2" inch block style 3M scotchlite reflective tape. "POLICE" in 1" inch block style 3M scotchlite reflective tape. On back of jacket in two lines "HOUSTON" in 2" inch block style white 3M scotchlite reflective tape and "POLICE" in 3" inch block style white 3M scotchlite reflective tape. Standard construction with 2 1/2" inch retro-reflective tape with 2" silver centered on tape with 1/4" printed on the edges. **ALL IMPRINTING AND EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.** Certification to ANSI 107 required to be submitted with bid.

Fasteners: All fasteners shall be as follows or equivalent:

Zippers: Front zipper, #5 size, Delrin, with a reversible slider.

Snaps: The snaps shall be universal prong snaps that have been oxidized to prevent rusting.

Eyelets: Black, metal, small.



**REVERSIBLE RAIN COAT (DUSTER) GERBER® 40S3/L OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10048073)**

**BASIC DESIGN**

Lightweight, 3-layer single-ply construction with protex fabric laminated between reversible outer shells of fabric in department color and fluorescent lime-yellow knit. Length: 48" inches. Factory seams sealed with protox 2000 seam tape. Slip through pockets, slash pockets with Velcro closure. Raglan sleeves. Adjustable neck closure. Dome fly front.

Badge eyelets on the front left side. There shall be a badge holder on the upper breast on the black and lime side. The badge holder shall measure 1"x 2-1/4". The eyelets shall be set 1-1/8" apart, center to center.

**In two lines, "HOUSTON" "POLICE" reflective patch on back of lime-yellow side.** Reflective 2" inch tape silver and yellow 3M scotchlite reflective tape around body and arms. Sizes Men's Small-4XL Regular. Reverse color: Lime-Yellow.

Shall be six large snap fasteners set evenly and hidden, there shall be a reversible front zipper. The snap fasteners will be set approximately 6-1/2" apart, except the top snap will be set 1" from the placket edge. The bottom hem of the coat shall be approximately 3/4" wide. There shall a microphone tabs set on the black and lime side and shall measure 1" x 2-1/4".

The pocket opening shall measure approximately 10" with a depth of 7". The pocket welts shall measure 2" wide x 11" long.

The collar shall be a telescopic design, measures 4-1/4" at the points and at the center back. There shall be three large snaps set on both sides of the collar to anchor the detachable hood.

The back shall be a full cut, raglan design. Sleeves shall be a raglan design with a 1/4" hem. Each arm will have an adjustable Velcro closure with a cuff tab that measures 2" at the widest and tapers down to 1-1/2" wide, set on both sides. The cuff tab shall be set 2" up from the sleeve edge and shall have a Velcro hook 1"x1" that shall anchor to the Velcro loop set on each arm, the Velcro loop shall measure 1" x 6-1/2" long for a full range of adjustments.

There shall be side vents with a 15" zipper opening for easy access to the duty weapon. The zipper shall be reversible for accessibility from either side of the jacket. There shall be a side tab that is sewn to the side hem bottom of the front and anchors across the side vent to the back.

On the fluorescent lime side there shall be facings made out of the outer shell fabric. The facings shall measure approximately 1-1/4" and set on the fronts. Also there shall be upper front facings that measure 3-1/2" at the widest and tapers to a point.

On the fluorescent lime side there shall be a 2-1/2" wide trim with 2" silver tape set centered over black ribbon. The trim shall be sewn across the chest and back, and a stripe on the upper sleeves which will align with the chest and back stripes, there shall be a second stripe sewn about 4" from the sleeve edge.

All external seams and sewing are to be seam sealed with a 7/8" wide seam sealing tape that is set with a hot air seam sealing machine. Seams are to be randomly tested with a suttor tester 3 psi for 3 minutes. A log shall be maintained to record the testing results.

The manufacturer shall be capable of providing sizes small-5XL. The manufacturer shall have a company representative or authorized dealer available to assist with the fittings of the garments at no additional cost. **ALL IMPRINTING AND EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.** Certification to ANSI 107 required to be submitted with bid.

RAINWEAR GERBER® STYLE# 40S3/L OR EQUIVALENT

**Front:** Printed on left side in two lines; "HOUSTON" should be 3/8" inches long x 1/8" inches wide, "POLICE" should be 3/4" long x 1/4" wide.

**Back:** Printed and centered in two lines; "HOUSTON" should be 2" inches long x 1" inch wide, "POLICE" should be 3" inches long x 1 1/2" inch wide.

**Additional lettering info:**

Letters on front and back of black side should be white.

Letters on lime-yellow side should be black.

INNER SHELL: Domestic first quality nylon, plain oxford weave, 210 denier, color lime-yellow. Durable water and stain repellancy.

Zippers: Front zipper, #5, Delrin, YKK, with reversible slider.

Snaps: The snaps shall be universal prong snaps that have been oxidized to prevent revent rusting.

Eyelets: Black, metal, small.

Seam seal tape: Composite seam sealing tape that is compatible to the composite fabric 7/8” wide.

Velcro: Black, 1" wide hook and loop.

Reflective Tape: 3M SCOTCHLITE, 8710, 2-1/2 wide with 2" silver tape centered over black ribbon, sewn on application. Thread: All thread shall be polyester thread with a wrap with 36 strength in a 50 size or better.

The following sizes have been established as a guideline for this order:

SIZE CHART			
SIZE	FINISHED CHEST	BACK LENGTH	SLEEVE INSEAM
X-SMALL(32-34)	46	36	21-1/2
SMALL (36-38)	50	36	21-1/2
MEDIUM (40-42)	54	36	21-1/2
LARGE (44-46)	58	36	21-1/2
X-LARGE (48-50)	62	36	21-1/2
XX-LARGE (52-54)	66	36	21-1/2
XXX-LARGE (56-58)	70	36	21-1/2
TOLERANCES	+ -1”	+ -1”	+ -1”
LONG LENGHTS	+ -1”	+ 1”	+1”
X-LONG LENGTHS	+ -1”	+2”	+2”

Color shall be fluorescent green. (Sample submitted may have another color lining for review purpose but must be a similar fabric to the lime- yellow lining. All garments delivered under purchase orders must have fluorescent green lining). 100% polyester, plain weave, treated with durable fluorocarbon and stain release agents. Certification to ANSI 107 required to be submitted with bid.

**(SOLO RAIN JACKET) BLAUER® GTX + PLUS 9970 2-SUPERSHELL JACKET OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10002482)**



**SUPERSHELL JACKET WITH SOFTSHELL FLEECE LINER**

**BASIC DESIGN FEATURE**

**Shell Jacket:** 3 Layer GORE-TEX (Color: see specified garment color). Soft Shell Fleece Liner: 35% Nylon, 59% Polyester, 6% Spandex. 100% Woven nylon fabric with embedded reflective satellite dishes to reflect car headlights. Color: Dark Navy.

**Pocketing:** 2.12 oz. per square yard, 100% polyester knitted mesh. (Color: black). Two sleeve pockets. Two slanted front pockets with double entry mesh pocket bags, hook and loop fastened flaps and hidden zipper closure with additional zippered opening under the storm flaps.

**Interlining:** For Storm flaps, Sleeve Tabs, and Shoulder Straps: 100% polyester non- Woven. For Inner Stormflap: 65% polyester/ 35% cotton woven. Ribbon loops: 0.5 inch nylon braid. (Color: black). Seam tape: 3-layer Gore-Seam tape, 1 inch wide. (Color: grey). Snaps: Non-rusting, 20 ligne prong style with closed backs, gunmetal finish on brass, heavy-duty closure, 24 ligne nylon cap. (Color: black). Eyelets: brass, size #100, black enamel finish.

**Zippers:** Front zipper: vislon, one-way, separating, size #5. Side zippers: nylon coil, size #5. Front pocket zippers: nylon coil, size #5. Sleeve pocket zippers: nylon coil, size #5. Storm fly pocket zippers: nylon coil, size #3. (All zippers: Color: black). Elastic: For Cuffs: Type: Spandex, 1.5 inch knitted elastic, dry cleanable. (Color: white).

For Waist Tabs: Spandex, 1 inch knitted elastic, dry cleanable. (Color: white). Elastic Drawcord: 0.125 inch elastic cord. (Color: black). Cord locks: nylon with nylon spring. (Color: black). Hook and Loop: woven nylon base. (Color: black).

Heat transfer reflective graphic logo will be applied with "HOUSTON POLICE DEPARTMENT" in two lines scotchlite safety package will be applied. Reflective lettering. Snap-on hood. Contrasting reflective fabric provides nighttime silhouette in the form of human body. **ALL IMPRINTING AND EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.** Certification to ANSI 107 required to be submitted with bid.

**STANDARD SIZE RANGE (Shell Jacket)**

Unisex:  
Regular: S - 5XL

## STANDARD SIZE RANGE (Soft Shell Liner)

Unisex:

Regular: S - 5XL

## GENERAL REQUIREMENTS

Failure to complete the compliance questions following each section below will result in automatic rejection of such bids as non-responsive. All garment details not specifically described herein including tailoring, styling, construction, materials, and components must match the standard reference sample. Pre-bid samples are required at the time of the bid opening.

Samples may be subjected to laboratory testing at the discretion of the contracting officer. Bidders are responsible for all testing costs of their sample garments. Bidders must enclose evidence (dated manufacturers catalogs or similar) that this item is currently a commercial in-stock style. The successful bidder will provide a full size run of try-on garments within 10 days for agency approval. All products will have a printed warranty hangtag covering (at minimum) defects in materials and workmanship for three (3) years. Garments must be manufactured in an ISO 9000 certified facility to meet quality assurance standards. (AG2102).

## **(MRT RAIN JACKET) BLAUER® 26950-1 ALL PURPOSE 3-IN-1 JACKET OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10049959)**



## DESIGN FEATURES

**OUTER SHELL:** Waterproof, windproof, breathable 3-layer CROSSTECH fabric provides blood, bodily fluid and chemical resistance. Abrasion resistant illuminITE reflective patch fabric.

**LINER/SEAMS:** Zip-out B.WARM fleece liner. Seams sealed with GORE-SEAM Tape.

**SIDE OPENINGS:** Waterproof zippers for unrestricted access to equipment. **POCKETS/COLLAR:** Waterproof, zippered cargo/hand warmer pockets with flaps. Interior security pockets. Double storm flaps and chin cover front zipper. Snap-on or button on hood.

**OPTIONS:** Heat transfer reflective silver tape will be applied in two lines on the back of the jacket "MOBILITY RESPONSE TEAM" 3M SCOTCHLITE safety package will be applied. ALL

**IMPRINTING AND EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.**

Certification to ANSI 107 required to be submitted with bid.

**(MRT RAIN PANTS) BLAUER® HI-VIS B.DRY™ OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL # 10049932)**



Lightweight, high visibility rain pant that is waterproof/breathable. Elasticized waistband, cargo pockets, plain hem bottoms, no fly opening. 50 mm, 2 inch, 3M retro-reflective silver tape that meets class III of the highest ANSI 107, 1999 standards. Color: Lime-yellow. 100% polyester with polyurethane barrier, Waterproof and breathable 250 denier woven polyester.

- Reflection Tape: 3M SCOTCHLITE, 2” wide, silver.
- Velcro: 1” hook and loop.
- Eyelets: Black, metal, small.
- Elastic: Natural color, 1" wide dry cleanable and washable.
- Seam Tape: Composite seam sealing tape that is compatible to the composite fabric, 7/8” wide.
- Thread: All thread shall be polyester thread with a warp of 30 thread strength in a 50 size or stronger.

Plain front with no fly opening. Elasticized waistband with a 1” wide elastic. There shall be cargo pockets with beveled flaps. The pockets shall have a velcro hook and loop closure, the velcro shall be 1” wide x 2” long. The cargo pockets shall measure 8-14” wide and 9” long. The pocket flap shall measure 8-1/2” wide and 3-1/4” long. There shall be small metal eyelets at the bottom of the pocket for drainage.

The pant leg shall be trimmed with a double stripe of two inch reflective tape. The pant will be finished with a 3/4” plain hem. One stripe of reflective tape shall be set 2-1/4" above the finished bottom hem. The second leg stripe shall be set 6-1/2” above the finished bottom hem. Sizes: S-3XL

SIZE CHART				
SIZE	WAIST (Relaxed)	SIZE	WAIST (Relaxed)	SIZE
SMALL	27	SMALL	27	SMALL
MEDIUM	29	MEDIUM	29	MEDIUM
LARGE	31	LARGE	31	LARGE
X-LARGE	33	X-LARGE	33	X-LARGE
XX-LARGE	35	XX-LARGE	35	XX-LARGE
XXX-LARGE	37	XXX-LARGE	37	XXX-LARGE
TOLERANCES +-1/2”		TOLERANCES +-1/2”		TOLERANCES +-1/2”

**CLASSIFIED/CIVILIAN RAIN PANTS NEESE® OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10031701)**



The rain pants must be waterproofed, hip length ultra-light weight rain pant that is reversible from black to fluorescent lime-yellow. Elasticized waistband, hook and loop side equipment / pocket access with snap adjustments and hook and loop cuff opening for easy on and off. ANSI-107 Class E construction. 100% nylon, 70 Denier in the warp and the filling, plain weave and a pigmented back coating that can be seam sealed and provide waterproofness and breathability.

Plain front with no fly opening, no pockets. The pant shall have an elasticized waistband with 1" elastic. The waistband shall be black on the inside and outside. There shall be an ANSI-107 Label set under the front waistband hem. There shall be snap closure side equipment / pocket access at each side seam measuring 10" down from the top of the waistband. The top of the opening shall be secured with a female dome snap on the front waistband that attaches to a corresponding male snap on the back waistband. There shall be a second male snap stud 2" behind the first snap to allow waist adjustment.

SIZE CHART				
SIZE	WAIST (Relaxed)	WAIST (Expanded)	OUTSEAM	INSEAM
SMALL	27	38	42	28
MEDIUM	29	42	43	29
LARGE	31	46	44	30
X-LARGE	33	50	45	31
XX-LARGE	35	54	46	32
XXX-LARGE	37	58	47	33
TOLERANCES +-1/2"				

**(CIVILLIAN) RAIN JACKET NESSE® OR DEPARTMENT APPROVED EQUIVALENT  
(MATERIAL #10049944)**



**DESIGN FEATURES**

Waterproof 100% nylon. Attached hood with drawstring closure. Raglan shoulder design to allow for easy movement. 200 denier nylon inner layer. Urethane outer layer with a polyurethane coating. Double-stitched and tapered seams. Provide higher abrasion and snag resistance. Meets NFPA-701 flame retardant standard. Must be ANSI/ISEA 107-2004 compliant. Available in sizes S-2XL. Color: Black.

**TRAFFIC SAFETY VEST GERBER® OR DEPARTMENT APPROVED EQUIVALENT  
(MATERIAL #10027420)**



**BASIC DESIGN**

The vest shall be an 8 oz. open mesh, sleeveless and made from dipped vinyl. There shall be 1 1/2" silver scotchlite on lime-yellow stripes placed vertically on the right and left chests and across the back. Scotchlite will outline both sides of the vest from the armhole to the bottom hem. Size: XS-3XL. **"POLICE" to be imprinted on the front and back of the vest in 3" black letters on yellow 4" strip background. ALL IMPRINTING AND EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.**

**(MRT – MOBILITY RESPONSE TEAM) SAFET VEST GERBER® OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10050031)**



**BASIC DESIGN**

The vest shall be an 8 oz. open mesh, sleeveless and made from dipped vinyl. There shall be 1 1/2" silver scotchlite on lime-yellow stripes placed vertically on the right and left chests and across the back. Scotchlite will outline both sides of the vest from the armhole to the bottom hem. Size: XS-3XL. **"MOBILITY RESPONSE TEAM"** to be imprinted in two lines on the front and back of the vest in 3" black letters on yellow 4" strip background. **ALL IMPRINTING AND EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.**

**BDU BATTLE DRESS UNIFORM PANTS BLAUER® OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10027601)**



**BASIC DESIGN**

Blauer® style #8561. Color: Dark Navy. 11.5 – 12.0 Oz / Linear yard, 75/25% Polyester/Wool Serge Filling Stretch. Machine washable and dry cleanable blend provides user comfort, uniform appearance, durability, and easy care. (Color: Dark Navy). Interlining: 100% polyester.

Active Duty trouser. Loose fitting through seat and thighs to allow unrestrained movement. Closed-seam construction. Dress uniform style. Two front "L" shaped quarter pockets. One hidden zipper pocket inside the wearer's left pocket. Two pleated style cargo side pockets with angled pocket flap. Hidden ammunition pocket inside left side pocket. Two hip pockets with button closure. Side spot elasticized waistband with double hook and loop front closure. Silicone shirt grip tape inside waistband. Waistband with belt loops inserted at the bottom and tacked to the top. Articulated knee design with darts and rear seam. Machine washable/dryable as well as dry cleanable.

**CUSTOMIZATION**

Hemming. The manufacturer shall be capable of providing all sizes for men and women, including any special size requirements. The manufacturer shall have a company representative or authorized dealer available to assist with the fittings of the garments at no additional cost.

**STANDARD SIZE RANGE**

Stock Sizes:

MALE	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
FEMALE	2	4	6	8	10	12	14	16	18	20	22	24	26		

**MEASUREMENTS**

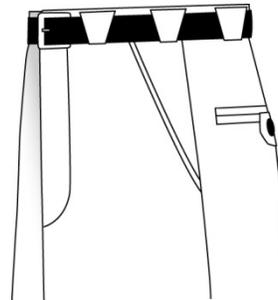
Regular Length Men's: Waist Size 36:

1/2 Waist (relaxed) :	18.5	(plus or minus 0.25 inches)
1/2 Waist (stretched):	19.5	(plus or minus 0.25 inches)
Seat:	23.25	(plus or minus 0.25 inches)
1/2 Knee:	14.625	(plus or minus 0.25 inches)
1/2 Bottom Leg:	11.375	(plus or minus 0.25 inches)
Inseam:	37	(plus or minus 0.50 inches)
Out seam:	47.125	(plus or minus 0.50 inches)
Front Rise:	10.875	(plus or minus 0.25 inches)
Back Rise:	16.125	(plus or minus 0.25 inches)

Women's: Regular Length: Dress Size 12

1/2 Waist (relaxed):	19	(plus 0.25 inches)
1/2 Waist (stretched):	20	(plus 0.25 inches)
Seat:	23.75	(plus or minus 0.25 inches)
1/2 Knee:	10.75	(plus or minus 0.25 inches)
1/2 Bottom Leg:	9.5	(plus or minus 0.25 inches)
Inseam:	36	(plus or minus 0.50 inches)
Out seam:	44.25	(plus or minus 0.50 inches)
Front Rise:	9.625	(plus or minus 0.25 inches)
Back Rise:	13.5	(plus or minus 0.25 inches)

**MADE TO MEASURE PANTS (MATERIAL #10014037)**



“Made to Measure Pants” are for non-standard employee sizes and medical issues. The specifications for these items are the same as the standard size pants, except they will be made to measure for the individuals and/or will be 100% Texturized Dacron Polyester; weight to be no less than 6.06 oz. per square yard and no more than 8 oz. per square yard. If quoted in linear yards, weight to be no less than 11.02 oz. per linear yard and no more than 13.36 oz. per linear yard. One year warranty against workmanship or fabric defects.

**(MOUNTED PATROL BREECHES) FLYINGCROSS® OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10026346)**

REQUIREMENTS FOR THE MOUNTED BREECHES



FABRIC

Stretch Nylon Duraknit, yield approximately 1yd. Per pound (16 oz per yd.), 4 way stretch, woven 19 ½- oz per sq. yd. 51% Cordura Nylon, 36% Antron Nylon, 13% Lycra. Color shall be Blue-Black or an approved equivalent.

BASIC DESIGN

The front shall be plain, without pleats. Pants shall be tapered fitted to above the ankle with a zipper from mid calf to the ankle. Crouch and upper leg fit will be determined as to snug or loose fit by each wearer when measured. The design is for regular pants and shall have no Jodhpur styling or blousing in the hip/thigh area.

WAISTBAND & BELT LOOPS

Waistband shall be 2” wide. Waistband curtain shall be of black poly/cotton blend with Snug-Tex or an approved equivalent slip control the full length of waistband curtain. A zigzag stitch will be used to join the waistband to the curtain. There shall be 8 belt loops. Each belt loop shall be sewn at the top into the waistband/curtain joining seam. Each belt loop shall be caught at the bottom in the pant/waistband-joining seam. Belt Loops shall be ¾” wide x 1-7/8” length and placed at the center of each front side, one over each side seam, one at the center of each back side and 2 at the center back, 1” either side of the center back seam. Belt Loops shall be a double thickness, interfaced with a stabilizing, nonwoven fabric. Under the right front closure of the waistband and joined with the upper portion of the zipper shall be closure reinforcement tab which buttons to the left front waistband at least 4” from center front.

## ZIPPERS AND OPENINGS

Front zipper will be of appropriate length for wearer, metal and install in the classic “French Fly Method”. Right fly shall be the same fabric as waistband & pocketing. All other fabric in fly construction should be the same as the outer fabric. Pant leg zippers shall be metal chain zippers of appropriate length to reach from mid-calf to the pant hem, above the ankle. Zippers shall be installed in the outer leg seam at the bottom of the pant leg. There shall be sewn a 2” wide single layer of pant fabric on the under side of the length of the leg zippers.

## POCKETS AND POCKETING

Front pockets shall be modified cutaway style, opening to 5” from side seam at waist joining seam and 4” down side seam, as illustrated in drawing. Depth of pocket interior shall be 11” below waist. Width shall be 1-1/2” beyond opening (6-1/2” from side seam at waist joining seam). Top edge of pocket opening shall be double needle top stitched. Pocketing shall be a 50/50 blend of black poly cotton twill.

Back pocket shall be one at center back of each hip (2 back pockets). Each shall be double needle topstitched on all four sides. Pockets shall be 5-1/2” wide with a scalloped bottom, which shall be 6” deep at center, 5-1/2” deep at the outer edges. Both back pockets shall have a scalloped flap with buttonhole at lower center. Flap shall be 2-1/2” deep at center of scallop and 2” deep at outer edges of flap. A button shall be sewn to pocket so as to secure flap at center of pocket.

## TRIM

Down the full length of the leg out seam, caught at the top in the waistband joining seam, shall be seam, a 1”, Stretch Nylon Colorfast trim. Trim shall have 1/2” center of navy (to match pants) over 1” light blue (to match uniform shirt). The tape shall be placed 1/8” forward of the out seam and stitched 1/8” from each. Edge of the tape on both edges shall be the full length of the out seam. Trim shall be caught in the finish binding at the bottom of the leg.

## OVERLAY REINFORCEMENTS

The inner legs and seat area of the breeches shall have an overlay reinforcement of the same fabric as breeches. The overlay shall extend approximately one half of the distance from the center back crouch to the center back toward waist to the width of the center back leg at upper thigh level, extending down to hem, being caught at hem in seam joining Snug-Tex at hem finish. This overlay shall be double needle top stitched along outer edges. Overlay will be closed into leg inseam. Breeches front shall have an overlay of the same fabric extending from 1-1/2” out from the center crouch to reach a width of 1/2 the front pant width at approximately 4” above the knee, extending at that width on to the hem, to be caught in the Snug-Tex joining seam at the hem finish. Overlay will be closed into leg inseam. Raw seam edges will be surged on both edges of inseam. Front and back overlays will be caught in the edge surging the full length of overlays. (See Drawing).

## HEM FINISH

Hem at bottom breeches leg shall be faced with 1-1/4” wide Snug-Tex elastic waist-banding, stitched with single needle overlock stitch, which is caught at zipper inset stitching at outseam of front and back breeches leg. Edge of facing is stitched to fabric with single needle overlap stitch to preserve stretchability. There will be a 1” long, 2” wide black Velcro loop tape sewn on all four sides at the hem level, from the zipper

stitching line to 2 '' toward center back leg. There shall be a 3-1/2'' beyond zipper onto back leg of pant, forming a tab by which the breeches leg can be tightened at the ankle with the Velcro tab. (See Drawing). Breeches must be available from stock in the following sizes:

**SHORT INSEAM:**

28 – 46 (EVEN ONLY OVER 38) – 25'' finished inseam (taped)

**REGULAR INSEAM:**

28 - 60 (EVEN ONLY OVER 38) – 27'' finished inseam (taped)

**LONG INSEAM:**

32 – 46 (EVEN ONLY OVER 38) - 29'' finished inseam (taped)

**XTRA LONG INSEAM:**

32 – 48 (EVEN ONLY OVER 38) - 31'' finished inseam (taped)

**MOTORCYCLE (SOLO) BREECHES OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10026477)**



REQUIREMENTS FOR THE SUMMER MOTORCYCLE BREECHES

100% Polyester stretch Surlaine Gabardine, 10 – 10.5 oz per sq. yd., or an approved equivalent. Color shall be Blue-Black or an approved equivalent for the summer breeches.

BASIC DESIGN

The front shall be plain, without pleats. Pants shall be tapered fitted to above the ankle with a brass chain zipper from mid calf to the ankle. Crouch and upper leg fit will be determined as to be snug or loose fit by each wearer when measured. The design is for regular pants and shall have no Jodhpur styling or blousing in the hip/thigh area.

WAIST BAND AND BELT LOOPS

Waistband shall be 2'' wide. Waistband curtain shall be of black poly/cotton blend with Snugtex or an approved equivalent slip controls the full length of waistband curtain. A zigzag stitch will be used to join the waistband to the curtain. There shall be 8 belt loops. Each belt loop shall be sewn at the top in the waistband/curtain lining seam. Each belt loop shall be caught at the bottom in the pant/waistband joining seam. Belt loops shall be 3/4'' wide x 1-7/8'' length and placed at the center of each front side, one over each side seam, one at the center of each back side and 2 at the center back, 1'' either side of the center back seam.

Belt loops shall be a double thickness, interfaced with stabilizing, non-woven fabric. Under the right front closure of the waistband and joined with the upper portion of the zipper shall be a closure reinforcement tab which button to the left front waistband at least 4" from center front.

### ZIPPERS AND OPENINGS

Front zipper will be of appropriate length for wear, metal and installed in the classic "French Fly method." Inside right fly and closure tab shall be the same fabric as waistband and pocketing. All other fabric in fly construction shall be the same as the outer fabric. Pant leg zippers shall be brass chain zippers of appropriate length to reach from mid-calf to the pant hem above the ankle. Zippers shall be installed in the outer leg seam at the bottom of the pant leg. There shall be a 2" wide single layer of pant fabric on the under side of the length of the leg zippers.

### POCKETS AND POCKETING

Front pockets shall be the cut away style, opening to 7" below the waistband and an 8" depth below the reinforced joining at the side seam. Back left pocket shall be an inside welted pocket with a scalloped flap with button/button hole closure. Right back pocket shall be a welted pocket with no flap. Both back pockets shall be 7-1/2", deep. Pocketing fabric shall be the same black, 50/50 poly cotton blend as the waistband.

### PATCHES OR REINFORCEMENTS

The legs and seat area of the pants will have an overlay of fabric as shown in the drawing entitled Motorcycle Patrol Breeches. Measurements will be determined according to the size of the officer.

### HEM FINISH

Hem at bottom breeches leg shall be faced with 1-1/4" wide Snug-Tex elastic waistbanding, stitched with single needle overlock stitch, which is caught at zipper inset stitching at outseam of front and back breeches leg. Edge of facing is stitched to fabric with single needle overlock stitch to preserve stretchability. There will be a 1" long, 2" wide black Velcro loop tape seam on all four sides at the hem level, from the zipper stitching line to 2" toward center back leg. There shall be a 3-1/2" long, 2" wide tab with 2" of black Velcro hook tape sewn to the front leg at hem level so as to extend 2-1/2" beyond zipper onto back leg of pants, forming a tab by which the breeches leg can be tightened at the ankle with the Velcro tab. (See Drawing used for Mounted Patrol Pants)

### TRIM

None required for Motorcycle Patrol Breeches.

### SIZES

Breeches must be available from stock in the following sizes:

#### SHORT INSEAM:

28 – 46 (EVEN ONLY) 25" finished inseam (taped)

#### REGULAR INSEAM:

28 - 60 (EVEN ONLY) 27" finished inseam (taped)

LONG INSEAM:

32 – 46 (EVEN ONLY) 29” finished inseam (taped)

XTRA LONG INSEAM: 2 – 48 (EVEN ONLY) 31” finished inseam (taped)

**MOTORCYCLE BREECHES SOLO WINTER (MATERIAL #10026497)**



BASIC DESIGN

100% Wool, Raeford #13507.96, 19.5 – 20 oz. Per linear yd elastique weave or an approved equivalent winter breeches. Color shall be Blue-Black or an approved equivalent for the winter breeches. The front shall be plain, without pleats. Pants shall be tapered fitted to above the ankle with a brass chain zipper from mid calf to the ankle. Crouch and upper leg fit will be determined as to be snug or loose fit by each wearer when measured. The design is for regular pants and shall have no Jodhpur styling or blousing in the hip/thigh area.

WAIST BAND AND BELT LOOPS

Waistband shall be 2” wide. Waistband curtain shall be of black poly/cotton blend with Snugtex or an approved equivalent slip controls the full length of waistband curtain. A zigzag stitch will be used to join the waistband to the curtain. There shall be 8 belt loops. Each belt loop shall be sewn at the top in the waistband/curtain lining seam. Each belt loop shall be caught at the bottom in the pant/waistband joining seam. Belt loops shall be ¾” wide x 1-7/8” length and placed at the center of each front side, one over each side seam, one at the center of each back side and 2 at the center back, 1” either side of the center back seam. Belt loops shall be a double thickness, interfaced with stabilizing, non-woven fabric. Under the right front closure of the waistband and joined with the upper portion of the zipper shall be a closure reinforcement tab which button to the left front waistband at least 4” from center front.

ZIPPERS AND OPENINGS

Front zipper will be of appropriate length for wear, metal and installed in the classic “French Fly method.” Inside right fly and closure tab shall be the same fabric as waistband and pocketing. All other fabric in fly construction shall be the same as the outer fabric. Pant leg zippers shall be brass chain zippers of appropriate length to reach from mid-calf to the pant hem above the ankle. Zippers shall be installed in the outer leg seam at the bottom of the pant leg. There shall be a 2” wide single layer of pant fabric on the under side of the length of the leg zippers.

## POCKETS AND POCKETING

Front pockets shall be the cut away style, opening to 7" below the waistband and an 8" depth below the reinforced joining at the side seam. Back left pocket shall be an inside welted pocket with a scalloped flap with button/button hole closure. Right back pocket shall be a welted pocket with no flap. Both back pockets shall be 7-1/2", deep. Pocketing fabric shall be the same black, 50/50 poly cotton blend as the waistband.

## PATCHES OR REINFORCEMENTS

The legs and seat area of the pants will have an overlay of fabric as shown in the drawing entitled Motorcycle Patrol Breeches. Measurements will be determined according to the size of the officer.

## HEM FINISH

Hem at bottom breeches leg shall be faced with 1-1/4" wide Snug-Tex elastic waistbanding, stitched with single needle overlock stitch, which is caught at zipper inset stitching at outseam of front and back breeches leg. Edge of facing is stitched to fabric with single needle overlock stitch to preserve stretchability. There will be a 1" long, 2" wide black Velcro loop tape seam on all four sides at the hem level, from the zipper stitching line to 2" toward center back leg. There shall be a 3-1/2" long, 2" wide tab with 2" of black Velcro hook tape sewn to the front leg at hem level so as to extend 2-1/2" beyond zipper onto back leg of pants, forming a tab by which the breeches leg can be tightened at the ankle with the Velcro tab. (See Drawing used for Mounted Patrol Pants)

## TRIM

None required for Motorcycle Patrol Breeches.

## SIZES

Breeches must be available from stock in the following sizes:

### SHORT INSEAM:

28 – 46 (EVEN ONLY) 25" finished inseam (taped)

### REGULAR INSEAM:

28 - 60 (EVEN ONLY) 27" finished inseam (taped)

### LONG INSEAM:

32 – 46 (EVEN ONLY) 29" finished inseam (taped)

XTRA LONG INSEAM: 2 – 48 (EVEN ONLY) 31" finished inseam (taped)

**COVERALLS (SHORT SLEEVE) WALLS® 1216 OR DEPARTMENT APPROVED EQUIVALENT OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #1005003)**



Shoulder Emblem



Silver Badge Emblem



Gold Badge Emblem

**BASIC DESIGN**

Walls #1216 or department approved equivalent. Color: Navy. Short sleeves to be no shorter than 8" nor longer than 12". Coveralls shall be roomy through the shoulders, 5 oz. Poplin (65% Polyester/35% Cotton). Select by chest size and inseam (Short=29, Regular=31, Tall=33). Each coverall will have Houston Police Department shoulder emblems sewn to each sleeve. The top of the emblem will touch the yoke seam. The HPD emblem is to be sewn 1/2" above left breast pocket and centered. A gold badge emblem will be placed on coveralls supplied for the ranks of sergeants and above. **EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.**

**WALLS® 1224 COVERALLS (LONG SLEEVE) OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10048270)**



Shoulder Emblem



Silver Badge Emblem



Gold Badge Emblem

BASIC DESIGN

Walls #1224 or department approved equivalent. Color: Navy. Long sleeves to feature a buttoned cuff. Each coverall will have Houston Police Department shoulder emblems sewn to each sleeve. The top of the emblem will touch the yoke seam. Each coverall will have Houston Police Department shoulder emblems sewn to each sleeve. The top of the emblem will touch the yoke seam. The Houston Police Department shoulder emblem is to be sewn 1/2" above left breast pocket and centered. A gold badge emblem will be placed on coveralls supplied for the ranks of sergeants and above. **EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.**

**HATS AND CAPS**

**POLICE UNIFORM CAP DARK NAVY (MATERIAL #10049983)**



Patrol Cap



Command Staff Cap

Shall be A Midway Cap Company Deluxe Military Style Cap with Stationary Cover and will be imprinted "Midway Cap Company" on the Crown Lining to assure compliance with specifications. The dimensions of a Size 7-1/8 Cap shall be as follows: Front to rear of crown 10-7/8"; side to side of crown – 10-3/8"; height of Cap in front – 4-3/8". All other sizes shall be in proportion.

The material shall be Black Gabardine Weave or as specified by the department. The Covers shall have a dry-cleanable bonding of not less than .093 gauge Grey Polyurethane Foam throughout the entire top, sides and front, and a Full Crown Lining of 100% Acetate Taffeta. A Sweat Protector Lining and an Identification Card Holder, in the form of a rectangle, will be heat-sealed directly to the Sweat Protector. After joining the crown and the sides, the crown seam shall be double-stitched with a 3/8" bias folded tape. As a final operation, all Caps shall be blocked on a 5-piece block in live steam and thoroughly dried.

Each Cap Cover shall be provided with a total of 6 Metal Eyelets: 2 Eyelet shall be attached in the front center for proper placement of a 2-post shield. 2 Eyelets will be provided on each side for ventilation. The Frame Band shall be 2 ¼ ” Black Perforated Polyethylene, approximately .035 thick. The Band shall then be bound at the bottom with the same material as the cover.

The Front Support shall consist of one piece Pak Cap, called the Stayer, and a Plastic Holder. The Holder is formed by cutting a piece of black linear Polyethylene with dual slots to accept the Stayer and hold it securely. The holder is sewn to the inside front of the Frame Band and to staples or rivets will be required for either the Holder or the Stayer. To be made of 2 pieces: the upper portion to consist of a Nylon base with a Dull Black Japanned top; the bottom piece of .095 Genuine Sur-V-Lon. The 2 pieces will be firmly cemented together, and Visors will not bubble, crack or blister. The Visor shall be Custom Military Pattern. The Front Strap shall be Silver Expansion. The Sweatband shall be Genuine Uniform Roan Leather with Gold Line Roll, 1-5/8” wide. The Sweatband shall be sewn into the caps with a Zig-Zag finish. Buttons shall be a Gold or Silver finish button as indicated.

### **SPECIFICATIONS FOR HOUSTON POLICE DEPARTMENT COMMAND STAFF**

A ½” Clear “D” Plastic Grommet, measured and closed to exact size, shall be inserted into the Cap Cover. To be made of 2 pieces: the upper portion to consist of a felt hand embroidered army bullion top and the bottom piece of .095 Genuine Sur-V-Lon. The 2 pieces will be firmly cemented together, and Visors will not bubble, crack or blister. The Visor shall be Custom Military Pattern. The Front Strap shall be Gold Expansion

The Sweatband shall be Genuine Uniform Roan Leather with Gold Line Roll, 1-5/8” wide. The Sweatband shall be sewn into the caps with a Zig -Zag finish. Buttons shall be a Gold finish button or as indicated.

ALL CAPS SHALL CONTAIN A SIZE LABEL AND A UNION LABEL, AND WORKMANSHIP SHALL BE FIRST-CLASS IN ALL RESPECTS.

### **MRT UNIFORM CAP BLACK (MATERIAL #10049983)**



Shall be A Midway Cap Company Deluxe Military Style Cap with Stationary Cover and will be imprinted “Midway Cap Company” on the Crown Lining to assure compliance with specifications. The dimensions of a Size 7-1/8 Cap shall be as follows:

Front to rear of crown 10-7/8”; side to side of crown – 10-3/8”; height of Cap in front – 4-3/8”. All other sizes shall be in proportion.

The material shall be Black Gabardine Weave or as specified by the department. The Covers shall have a dry-cleanable bonding of not less than .093 gauge Grey Polyurethane Foam throughout the entire top, sides

and front, and a Full Crown Lining of 100% Acetate Taffeta. A Sweat Protector Lining and an Identification Card Holder, in the form of a rectangle, will be heat-sealed directly to the Sweat Protector. After joining the crown and the sides, the crown seam shall be double-stitched with a 3/8" bias folded tape. As a final operation, all Caps shall be blocked on a 5-piece block in live steam and thoroughly dried. Each Cap Cover shall be provided with a total of 6 Metal Eyelets: 2 Eyelet shall be attached in the front center for proper placement of a 2-post shield. 2 Eyelets will be provided on each side for ventilation.

The Frame Band shall be 2 ¼ " Black Perforated Polyethylene, approximately .035 thick. The Band shall then be bound at the bottom with the same material as the cover. The Front Support shall consist of one piece Pak Cap, called the Stayer, and a Plastic Holder. The Holder is formed by cutting a piece of black linear Polyethylene with dual slots to accept the Stayer and hold it securely. The holder is sewn to the inside front of the Frame Band and to staples or rivets will be required for either the Holder or the Stayer.

A ½" Clear "D" Plastic Grommet, measured and closed to exact size, shall be inserted into the Cap Cover. To be made of 2 pieces: the upper portion to consist of a Nylon base with a Dull Black Japanned top; the bottom piece of .095 Genuine Sur-V-Lon. The 2 pieces will be firmly cemented together, and Visors will not bubble, crack or blister. The Visor shall be Custom Military Pattern. The Front Strap shall be Silver Expansion.

The Sweatband shall be Genuine Uniform Roan Leather with Gold Line Roll, 1-5/8"wide. The Sweatband shall be sewn into the caps with a Zig- Zag finish. Buttons shall be a Gold finish button or as indicated.

ALL CAPS SHALL CONTAIN A SIZE LABEL AND A UNION LABEL, AND WORKMANSHIP SHALL BE FIRST-CLASS IN ALL RESPECTS.

**CLEAR RAIN CAP COVER WITH VISOR (MATERIAL #10014574)**

The cap will be made with a visor; crystal clear 4.5 mil plastic.



**Rain Cap Covers**

**CAMPAIGN MOUNTED RAIN CAP COVER (MATERIAL #10014574)**

Shall be of a crystal clear 4.5 mil plastic with all seams electronically seal to protect the hat in its entirety (fit and cover campaign style hat) to protect from opposing elements.



**STRATTON® CAMPAIGN MOUNTED STRAW OR DEPARTMENT APPROVED EQUAVILENT (MATERIAL #10049971)**

Straw Campaign Hat (Mounted Patrol) S-40TB: Shall be constructed of genuine Milan Straw with 3" triple stay flat extra stiff brim, inner hat shall have cushion comfort sweatband with a ventilated crown and 3 piece swivel chin strap with metallic acorns in gold or silver. Two (2) Eyelets shall be attached in the front center 1 3/8" up from Frame Band and 1 1/2" apart, for proper placement of a 2-post Badge. Prior to honoring any purchase order, Vendor is required to verify measurements of badge prongs with Houston Police Department before placement of eyelets.



**STRATTON® CAMPAIGN MOUNTED FELT OR DEPARTMENT APPROVED EQUAVILENT (MATERIAL #10050038)**

Felt Campaign Hat (Mounted Patrol)USPSSTS40: Shall be made of 100% fur felt with a 3" double thick extra stiff flat brim. Inner shall have a cushion comfort sweatband, satin lined and shall have 3 piece swivel chin strap w/ metallic acorns in gold or silver. Two (2) Eyelets shall be attached in the front center 1 3/8" up from Frame Band and 1 1/2" apart, for proper placement of a 2-post Badge. Prior to honoring any purchase order, Vendor is required to verify measurements of badge prongs with Houston Police Department before placement of eyelets.



**SEER® MOTORCYCLE HELMET OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10017199)**



**GENERAL:** Seer® motorcycle helmet herein specified shall have a strong, tough exterior shell to resist penetration and spread the force of the impact. Within, and cooperating with the shell, shall be an energy-absorbing and force-attenuating liner. Under impact, the shell-liner combination shall reduce and spread transmitted forces to the maximum extent possible. The helmet shall be provided with a visor, to shield the eyes from sun and sky glare and shall have a throat strap to secure the helmet to the head. The helmet shall conform to Federal Motor Vehicle Safety Standard No. 218 DOT.

**OUTER SHELL:** Shall be of fiberglass construction for increased strength to weight ratio. For additional protection, the shell shall have a 1-1/2" dip in the back starting at the ear. The shell finish shall be a high gloss paint in standard colors protected by a clear hardcoat coating. Shell edge shall be covered with a tough molded edging.

**VENTILATION:** The helmet shall have two adjustable air intake ports above the visor and an air channeled inner cap allowing circulation of air across the top of the head to reduce both heat and humidity.

**LINER:** The interior of the outer shell shall be lined with a semi-resilient foam energy absorbing material of 60" minimum thickness. Liner material to be unaffected by temperatures ranging from +14 Degrees F to +122 Degrees F and sealed off by an inner semi-rigid floating ABS plastic shell of .030" or more wall thickness which also allows thorough sanitation and prevents indiscriminate deterioration of the liner.

**SUSPENSION #1:** Within the inner shell is a head suspension unit, which allows ventilation. The headband shall be adjustable and attached to a cradle of nylon web straps with a floating crown pad. The size adjustable shall be in 1/8 inch increments and in sizes from 6-3/4 through 8-3/8.

**SUSPENSION #2:** The helmet shall have a perforated cushion pad sizing system, which allows for size adjustment and air flow ventilation. The cushion pads shall be attached to the ABS inner shell with Velcro on both the pads and the inner shell. They shall be easily removed for replacement, adjustment or cleaning. Cushion pads are provided in 1/4", 3/8", and 1' 2" thickness.

**RETENTION:** Sewn Naugahyde head harness shaped as a letter "Y" to allow normal hearing and to stabilize helmet on head. Dacron and nylon tubular webbing in a "V" pattern shall be incorporated in the harness for strength. Each leg of the "V" tubular nylon shall be riveted to the outer vector to stabilize the helmet on the head. The throat strap shall be of nylon tubular webbing and bar tacked in three places to the tubular nylon within the harness. The throat S1602V-26-461 strap shall have two metal "D" rings as a locking fastener. A replaceable sleeve shall be installed over the throat strap for comfort. The sleeve and strap shall have Velcro attached so strap end can be secured after "D" rings locking. An all metal working parts, quick release buckle system shall be included for additional protection. Harness shall have provisions

for Velcro attachment of accessories such as ear muffs, foul weather adapter and wind buffeting tabs. Nape strap to be included for additional protection.

**COLOR:** The helmet color shall be white with black high trim and covered with a clear hardcoat finish.

**VISOR:** Visor to be plastic material, such as Polypropylene, functioning as a sunshade. Attachment will consist of snap fasteners being freely capable of disengagement to minimize localized concentration of impact and/or providing a "handle" in physical combat. Visor shall be black. Rank bands, shall be non-tarnishing mylar in gold or silver (DE LUXE) as specified.

The helmet shall be available in four shell sizes allowing for head sizes in the following ranges:

Small	Medium	Large	X-Large	XX-Large
6-3/4-6-7/8	7-7-1/4	7-3/8-7-3/4	7-7/8	8-3/8

**MOTOCYCLE VISOR (MATERIAL #10017208)**

Visor to be plastic material, such as Polypropylene, functioning as a sunshade. Attachment will consist of snap fasteners being freely capable of disengagement to minimize localized concentration of impact and/or providing a "handle" in physical combat. Visor shall be black. Rank bands, shall be non-tarnishing mylar in gold or silver (DE LUXE) as specified.

**CUSHION CROWN PADS (MATERIAL #10029995)**

Super Seer® or department approved equivalent foam cushion shall be attached to the harness by way of Velcro. The helmet pads are sized according to thickness.

Small	Medium	Large	X-Large
1/8	1/4	3/8	1/2



**EAR MUFFS (MATERIAL #10048287)**

Super Seer® Part No. S1285 or department approved equivalent fur-lined ear muffs shall be attached to harness by means of Velcro.



**MOTORCYCLE GLOVES (SOLO) (MATERIAL #10050033)**



Tour Master (Grand Tour Elite model) and Olympia Style #4350, or approved equivalent. Color: black. Fabric: leather. The glove shall be five (5) fingered, full length glove, water proof/wind proof breathable inner liner slip over polar cover. Thinsulate or department approved equivalent insulation. Kevlar or equivalent reinforced double leather palm. Double layered leather above the knuckles, finger and back of hand area. Sizes: XS-S-M-L-XL

**BICYCLE HELMET WITH VISOR (MATERIAL #10020333)**

Ascent® Triton style bike helmet or department approved equivalent with visor in white.



**SAFARILAND® ALS 6360 SEMI-AUTOMATIC HOLSTERS OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10019610)**



Glock 6360-83-491  
6360-83-492  
ALS Mid-Ride Level II



Sig Sauer 6360-774-491  
6360-774-492  
ALS Mid-Ride Level II



Smith & Wesson M&P  
6360-219-491 & 6360-219-492  
ALS Mid-Ride Level II

Sig Sauer P220, P226, P220 DAK, P226 DAK, P228 Plain, P229 Plain, P228 DAK, P229 DAK – 6360-77-491, 6360-77-492, 6360-74-491, 6360-74-492, 6360-744-491, 6360-744-492

GENERAL

Safariland 6360 ALS Mid-Ride Level II or department approved equivalent. The holster shall be a high performance border patrol style holster designed specifically for semi-automatic pistols. It will be mounted securely on a 2-1/4" wide Sam Browne type equipment belt loop. The design of the holster shall provide greater security than conventional pouch holsters, yet still allow a rapid draw by the wearer. Safariland model SSIII - 070 or an approved equivalent.

PRODUCT DESCRIPTION

The border patrol style holster should be of an open muzzle design to allow for proper drainage. The holster must maintain the weapon in a stable, yet tactically ready configuration. It must utilize a thumb break-hammer strap system to secure the weapon, in addition to a rear sliding safety strap with middle finger release. A decoy strap must be visible opposite the rear sliding strap. An ejection port locking indentation must secure the weapon by engaging the ejection port of the semi-automatic weapon.

This locking device must either be pressure molded into the holster, or be constructed of such a material so as to not mar the finish of the weapon. No metal hardware shall come into contact with any part of the weapon.

CONSTRUCTION

The holster shall be constructed utilizing the lamination of engineered material, polyurethane, and orthopedic grade suede leather. Stitching shall be of No. 207 and No. 277 nylon cord stitching. Case hardened nylon screws, Chicago Post screws, and T-nuts are to be used as fastening devices. TRW Company snaps (or an approved equivalent) must be used. The exterior shall be free of blemishes, brands, scars, and other defects that would render the material unsuitable for the use intended.

The holster body shall be heat and pressure molded to each specified gun model with a wraparound, no-welt construction. A front sight channel must be molded into the holster body. The belt shank must be heat and pressure molded for body curvature. The shank will be bolted onto the holster body with case-hardened hardware. The holster shall be designed so that no hardware, springs, or snaps come in contact with the handgun.

### EDGE FINISH

Wherever two exposed edges of leather are bonded, such edges shall be trimmed to remove all sharp edges, forming a full round radius. The exposed round edges shall be sanded smooth, dyed, and burnished with a suitable edge sealer finish. The completed bonding of face and liner of the holster shall be performed in such a way that when it is completely assembled no noticeable seam, space, crack, or crevice shall appear. The finished product should appear to be constructed of a single piece, thus assuring material and construction integrity during the useful life of the holster.

### FINISH

The finish shall be smooth, non-fading, pure black in the case of high gloss Clarino finish holsters. Each holster shall be accompanied by the comprehensive "use" brochure describing its use and safety features to the consumer. The "use" brochure shall be adequately illustrated with appropriate instructions. Color -Black.

Belt Slot - 2-1/4" All hardware shall be of corrosion-resistant material. Holster designed with open bottom (open muzzle). Model numbers for specific calibers shall be supplied to the Contractor at the time of order.

### GUN MODELS

- Sig P220, P226, P226 DAK, P220 DAK, P228, P229, P228 DAK, P229 DAK
- Glock 22, 23
- Smith and Wesson M & P .40 cal

### **BATON BELT RING (MATERIAL #10019701)**



Don Hume Model #S-505 Clarino or department approved equivalent. The loop shall be 3/4 inches in width and shall be constructed to fit a 2-1/4 inches Sam Browne belt. The loop shall have a chrome plated snap. The ring shall be chrome plated and 1-1/2 inches in circumference.

## **WEBB NYLON HOLSTER (MATERIAL #10050015)**



Safariland® nylon holster or department approved equivalent, durable textured finish, abrasion resistance. Heat laminated and molded to the exact shape of weapon. Model numbers for specific calibers shall be supplied to the supplier at the time of order.

### GUN MODELS

- Sig P220, P226, P226 DAK, P220 DAK, P228, P229, P228 DAK, P229 DAK 6360-744-131, 6360-744-132, 6360-774-131, 6360-774-132
- Glock 22, 23
- Smith and Wesson M & P .40 cal 6360-419-131, 6360-419-132
- Barrels – 3.9”-4.5”

## **WEBB NYLON BALLISTIC GUN BELT (MATERIAL #10049945)**

Galls® nylon or department approved equivalent 2” belt shall be constructed of a four (4) layer laminate consisting of the following materials. Exterior material shall consist of 2” heavy nylon webbing. Interior material shall be 950 denier Anso-Tex nylon. Inner material shall be two (2) layers of laminated PVC material. The fastening system shall be a 2” side release nylon molded buckle. The color is black. Sizes: S-2XL.



## **WEBB NYLON HAND CUFF CASE (MATERIAL #10050048)**



The case should consist of tri-laminate construction. The exterior shall be 950 denier Anso-Tex nylon. The interior shall be 430 denier Caprolan. The case design shall be one-piece, tapered and compact with no bottom seam. The pocket top shall be scalloped for easier removal of handcuffs. The snap should be a non-reflective, black molded nylon which will not rust. The color is black. Safariland model 4250-2BL or department approved equivalent.

### **WEBB NYLON DOUBLE MAGAZINE HOLDER (MATERIAL #10050049)**



The case shall be tri-laminate, closed cell foam construction for cover and back. The exterior shall be 950 denier Anso-Tex nylon. The interior shall be 430 denier Caprolan with molded kydex inserts laminated to an Anso-Tex exterior. The snaps should be a non-reflective, black molded nylon. The color is black. Safariland model 4110 or department approved equivalent.

### **WEBB NYLON 4-PACK SINGLE BELT KEEPERS (MATERIAL #10024388)**



The Bianchi Accumold™ model 7406 or department approved equivalent nylon belt keeper two (2) snaps, set of four (4) secures duty belt to under belt. A heavy duty, 1" nylon web with a selvedge edge to help eliminate stretching will be used. Snaps will be of a non-reflective molded black nylon material, which will not rust and is highly resistant to wear. Color is molded throughout. Two snaps will be used per web piece for maximum security. Finish: Black. The heavy duty, 1" nylon web is cut to length on a hot knife machine. Edges are burned to keep from fraying. Snaps are set using guides and high air pressure. ISO 9001 Societe Generale de Surveillance – ANSI RAB Registrar AQS Quality Procedure.

### **DUTYMAN® 8531 AUTOMATIC DOUBLE MAGAZINE HOLDER (MATERIAL #10019604)**



Dutyman 8531 or department approved equivalent magazine holder. The magazine holder will accommodate the following make/model of weapon:

- Sig P220, P226, P226 DAK, P220 DAK, P228, P229, P228 DAK, P229 DAK
- Glock 22, 23
- Smith and Wesson M & P .40 cal
- Barrels – 3.9"-4.5"

## **UNIFORM HANDCUFF CASE (SINGLE) (MATERIAL #10036429)**



The handcuff case shall be constructed of three (3) basic parts: the back, mold, and center. The case shall be made from a firm quality of Top Grain Cowhide 4-1/2 to 5 oz. and Clarino Material #8000-000 or department approved equivalent. All material shall be free of imperfections.

The case must conform in style and quality to that now used by the Houston Police Department. Handcuff cases are available for your inspection at 700 Houston Avenue. The back will be cut to form the back and flap to the case. Two (2) slots measuring 2-1/2" long X 3/16" wide will be cut from this part to accommodate a Sam Browne Belt that is 2-1/4" wide. At the bottom, the slots will be spaced on center 1-1/4" while at the top the distance will measure 2-3/8" on center.

The flap edges will be sewn 1/8" from the edge with a Z69 black nylon waxed thread or an approved equivalent. The bottom of the flap shall be reinforced or the snap low enough so that the end will not collapse. The sewn edge will then be edged; that is, material removed to accomplish a slightly rounded effect.

The mold shall be made from a firm Top Grain Cowhide or an approved equivalent and when laminated to Clarino, shall be 7 to 8 oz. in weight. The mold shall be made of material that will retain the molded shape. The depth of the mold shall be 3/4". The mold will be trimmed to 4-3/4" in length and 3-7/8" at the widest part. A cutout will be made at the top of the mold on center. A width of 1" and 1-3/8" in depth. The mold will be trimmed with 1/4" flange to allow for sewing to the back part. The top part of the mold will be sewn 1/8" from the edge with Black Waxed Nylon Z69 Thread OR AN APPROVED EQUIVALENT and the edge dyed black.

The center part will be 6 oz. leather or an approved equivalent cut to conform with the mold and back. It will be dyed and finished as the other exposed material. The center will be skived at the top to prevent a ridge which will cause difficulty in placing the handcuffs into the case. In construction of the center will be glued in place to cover the slots and sewn at top with five (5) Cord Waxed Linen Thread. The outer edge shall be sanded smooth and edged to round the corners. They will then be dyed and burnished to a smooth finish. All edges will then be treated with a lacquer type sealer to insure a good appearance.

**BELT, SAM BROWNE 1031 U OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10050068)**



The BELT shall be constructed from 9 to 10 oz. Top-Grain cowhide cut from the back. It shall be free from holes, cuts, and soft flank leather. The strap will be treated with a lacquer finish to repel moisture. The leather will be cut 2-3/16" in width and permanently cemented to a 4 oz. Clarino Material, #8000-000 OR AN APPROVED EQUIVALENT. NO FILLER OF ANY TYPE SHALL BE USED BETWEEN THE LEATHER STOCK AND THE CLARINO.

The hook end of the strap shall be trimmed as follows: One each side of the strap, a "U" shape cutout will be made 3-1/8" on center from the end. The cutout will be 7/16" in depth. The cutout will accommodate a #4614 OR AN APPROVED EQUIVALENT North and Judd Hook. A (1/8") hole will be punched at the Belt Center, 5-13/16" from the end and a North and Judd Post #4125 or department approved equivalent.

The end will be skived to a feather edge and then folded over the hook and glued in place. The edges of the belt will be edged, dyed and burnished to a smooth finish and sealed with a waterproof coating. At the hook end, a tab will be sewn, allowing the tab to extend approximately 1-1/8" beyond the hook. The tab will be 2-7/8" at the widest point and taped to the width of the belt. The overall dimensions are 4-3/4" X 2-7/8". The tabs will be constructed from 3 to 4 oz. leather laminated to 8000-000 X69 or an department approved equivalent Nylon Black Thread.

The edges will be edged on the back and be dyed and burnished. The belt will be sewn with a black 5 cord waxed linen thread 3/16" from the edge and shall be five stitches per inch. The buckle end will be one row of five (5) or six (6) holes on center; beginning 2-7/8" from the end. The hole will be 7/32" with a 1/2" chisel. Two rows of five (5) or six (6) Oval Holes 9/32" X 5/32" will be located 1/2" from the belt edge, beginning 6" from the end.

The holes will be spaced 1-1/8" apart. A North and Judd #4430 or department approved equivalent. Buckle will be installed in the third set of holes from the end. The size of the belt shall be determined by the distance from the hook to the center of the buckle. The size will be embossed on the liner of the belt in numbers; not less than 7/32" in height. The Manufacturer's name or trade name will be embossed on the back in clear legible letters. A belt loop will be made from 3 to 4 oz. leather and 4 oz. Clarino or department approved equivalent. It will be sewn with Black Z69 or department approved equivalent nylon thread 1/8" from the edges and stapled with two durable staples. The belt loop must be constructed in a workmanship like manner. All material shall be free from flaws that impair the appearance, durability, or function of the belt.

**DRESS BELT (MATERIAL #10040376)**

BELT, DRESS 1 1/2" 15" U

Dutyman® or department approved equivalent belt shall be black full grain leather, 1 1/2" wide, 8-9 oz. leather thickness, single stitch around leather buckle, brass hook closure, sizes 28" - 60".



**VELCRO DRESS BELT (MATERIAL #10038423)**

Dutyman® belt shall be black 1 1/2" wide 8-9 oz, leather thickness, unlined buckles Velcro dress belt tip closure.



**BATON GROMMET (MATERIAL #10041714)**



The grommet shall be a black neoprene rubber sleeve to be slipped over the baton and positioned 8 inches from one end. The inside diameter shall be 1-1/6 inches. The grommet's overall length shall be 1-5/8 inches. The outside diameter at the butt end shall be 1-9/16 inches, tapering evenly to 1-1/4 inches at the end nearest the front end of the baton. The Kirkhill Company Crutch Tip No. 21 or department approved equivalent (with end punched out) or comparable item may be used.

**FLASHLIGHT HOLDER RING (MATERIAL #10019598)**



The flashlight holder will be a standard "D" cell flashlight strap, 3/4" in width Clarino Finish, with a chrome snap. The holder will be constructed to accommodate a 2-1/4" Sam Browne belt. The holder will have a clarino finish. The ring will be chrome plated and measure 2" in circumference.

**WOODEN BATON (MATERIAL #10045313)**



The regulation baton for the Houston Police Department shall be made from high-density, close and straight grain, second growth hickory or oak. The baton shall weigh not less than 15 nor more than 18 ounces. It shall not be loaded or weighted in any manner. It shall be 26 inches in length. It shall be cylinder-turned to a diameter of 1-1/4 inches, with both ends rounded. It shall be smooth-sanded and stained black.

**NOMEX® FLIGHT SUIT AIR SUPPORT OR DEPARTMENT APPROVED (MATERIAL #10045725)**



Shoulder Emblem



Silver Badge Emblem



Gold Badge Emblem

## Workmanship Construction and Material Standards

The uniforms shall be manufactured in standard sizes men s, women's, and misses sizes in short, regular, and long lengths, as well as made to measure, if required. Fabric shall be Indestructible 7 oz 65% Cotton, 35% Dacron Polyester twill fabric in Royal Blue. Epaulets to be 7 oz 65% Cotton, 35% Dacron Polyester twill fabric in black. Zippers shall be size 7, nylon coil teeth 3/4-inch royal nylon tape. The front zipper shall have a two-way slider allowing access from both the top and bottom.

Thread shall be cotton/polyester rapped Tex 40 matched in color to the fabric. Velcro shall be type 88 hook and type 1000 loop color matched to the fabric. Elastic shall be polyester poly-knit. All topstitching shall be 1/8 inch from the edge. When a double row of topstitching is used, the second row shall be 1/4 inch from the first row. All sewing shall use lock-stitch machines except for seams sewn with seam type SSa and stitch type 517, which shall be chain-stitch machines. All bar tacking shall be sewn with a 17 stitch, 1/2-inch bar tack.

The front shall be cut in four separate pieces, left and right top, and left and right bottom. There shall be a 3/4-inch seam allowance where the top and bottom are joined to permit alteration of the torso length. The top and bottom shall be joined using seam type SSa using stitch type 301. The front of the legs shall have sewn-in military creases extending from the waist seam to the bottom of the leg.

The front zipper shall extend from the collar to 3 1/2 inches from the inseam. The left and right fronts shall be sewn to the zipper so that left and right fabric touch when the zipper is closed. The front zipper shall be corded. The zipper shall be sewn to the front using a double row of stitch type 301 with the first row of stitching 3/8 inch from the center of the zipper teeth. The stitching shall be one continuous run of stitching down one side of the zipper, across the bottom, and up the other side of the zipper.

The back shall be cut in three separate pieces, top, and left and right bottom. There shall be a 3/4-inch seam allowance where the top and bottom are joined to permit alteration of the torso length. The top and bottom shall be joined using seam type SSa using stitch type 301. The left and right bottom shall be joined using seam type SSa that shall first be sewn with stitch type 517 and then double stitched with stitch type 301. The inner leg seam shall be bar tacked.

Long sleeve suit with a two-piece cuff style sleeve.

The collar shall stand 2 inches high at the back center when folded over and finished as a shirt style collar. The left and right front of the collar meets at the front of the neck. The collar shall be lined with a 1 1/2-ounce non-woven interlining. The collar shall be sewn with a 1/4-inch seam allowance-using seam SSa and stitch type 301. It shall then be turned and double stitched using stitch type 301.

2" wide waistband shall be sewn centered on the back waist seam using seam type SSb and double stitched with stitch type 301. A 1-inch wide elastic band 1/2 the length of the waist back shall be inserted into the waistband and sewn to the side seams. 2" wide waist tabs that extend from the side seam to the sewn-in leg crease. The tabs shall be made using seam SSA and stitch type 301. The tabs shall be turned and stitched with two rows of stitch type 301. A 2 X 2 inch Velcro hook shall be sewn to the inside of the waist tabs using a double row and a box stitch of stitch type 301. The waist tabs shall be sewn into the side seam centered on the waist seam. A 2-inch wide by 4 inch long Velcro loop shall be sewn to the waist, centered on the waist seam, extending from the sewn-in creases toward the side seam. The Velcro loop shall be sewn with a single row of stitch type 301.

The shoulders shall have Houston Police Department emblem that measure 1 3/4 inch wide at the shoulder and 1 1/2 inch wide at the collar seam. The epaulets shall taper to a point beginning 1 inch from the shoulder end. The epaulets shall fasten to the shoulder with Velcro hook and loop. The loop shall be sewn to the shoulder with one row of stitch type 301. Velcro hook shall be sewn to the under side of the epaulet with one row of stitching at the edge and a box stitch using stitch type 301. The epaulets shall be double stitched all around using seam type SSb and stitch type 301. The Houston Police Department shoulder emblem is to be sewn 1/2" above left breast pocket and centered. A gold badge emblem will be placed on coveralls supplied for the ranks of sergeants and above. Vendor shall sew on all unit patches furnished by the customer.

Vendor shall embroider on the right breast area, centered above the right front pocket, the employee's name and wing insignia. The City will furnish the size and design for the wing insignia to the vendor. Furthermore, the appropriate rank insignia will be embroidered on the epaulets of all flight suits for the rank of captain, lieutenant, and sergeant. The City will furnish the size and placement of the insignia. No rank insignia will be applied to the epaulets of the flight suits for the police officer rank. All embroidery for the rank of captain, lieutenant, and sergeant will be yellow gold in color and will, as near as possible, match the yellow gold embroidery incorporated in the Helicopter Patrol Division shoulder patch. All embroidery for the rank of police officer will be gray/silver. **EMBLEM COST SHOULD BE INCLUDED IN THE COST OF THE JACKET.**

There shall be two angled patch style chest pockets angled from approximately 5 inches below the collar seam upward toward the shoulder. The pocket shall have 7 inch covered zippers sewn so the zipper closes toward the side of the suit. The size of pocket will grade with suit size. Inside left chest pocket shall have a 3" two slot pen pocket will be sewn with a corresponding opening (slit) along top of exterior chest pocket.

There shall be two patch style pockets on the sides of lower legs. The pocket zippers shall close toward the rear of the legs. Flashlight patch style pocket 1.5 x 6 shall be sewn centered on right lower leg pocket. There shall be a flat two-slot style pen pocket on left sleeve. The pocket shall be double stitched.

Flight suits shall have front trouser style pockets 7" in length made of self-fabric turned and topstitched. Flight suit shall have rear double welt style pockets made of self-fabric. Pockets are 5" in length with a button loop style closure on the left. Right pocket shall have no closure. Flight suit is hemmed using a double row top stitch and is bar tacked at inseam.

**COMMAND STAFF DRESS UNIFORM SINGLE BREAST JACKET (Blouse Coats Male/Female)  
(MATERIAL #10049915)**

**MEN'S COAT SPECIFICATIONS**

Flying Cross by Fechheimer Item: 34891

**FABRIC**

Content: 55% Polyester/45% Wool

Weight: 13 – 13 ½ oz. per linear yard

Weave: Serge

Color: Navy Blue



## BASIC DESIGN

Four (4) button, single breasted, straight front, semi-form fitting, with notch lapels and epaulets. Gold "P" buttons. Shall not be over 1 7/8" wide in back when finished. Under collar to be closely padded with under collar cloth. Edges to be single stitched 3/16". Plain seams, pressed open.

Outside front pockets to be 4 false, 3 pointed flaps, with 24 Ligne button and buttonhole in center point. The upper flap to be 5 1/2" wide, lower flaps 8" wide with both sets of flaps being 2 1/2" deep. Corners to be sewn down. To have one (1) breast pocket, reinforced with self cloth, approximately 6" wide and 6" deep. Flaps double stitched 1/4". Inside pocket to be Polyester Blend Color: Black. Coat is to be fully lined with black Acetate Twill lining. Shall have two (2) side vents 8" long that close to the back with a zipper on each vent.

Separate badge tab made of same material as the garment, approximately 1 1/2" wide and 2 1/4" long with two (2) stitched eyelets, approximately 1 1/2" apart, sewn to the outside left breast of the coat so that the lower point of the badge is 1" above the breast pocket button. All buttonholes shall be made to a full 1/2" from the edges of the seam. The ends of all buttonholes shall be bar tacked. All buttonholes to be "cut after" machine made buttonholed. All thread used in making buttonholes shall be black silk, tailor's button twist, colorfast and guaranteed against fading.

To be sewn in sleeve seam directly on tip of the shoulder. The strap shall come under the collar and fasten with 24 Ligne metal button at the edge of the collar. Cross stitched. Edges double stitched 1/4". A sleeve sweat shield of the same cloth as in the body of the coat, piped with rayon to be securely set under each arm over the lining. All body seams to have outlets of not less than 1". Turn up at sleeve cuffs to be not less than 2 1/2". Houston Police Department emblems on both shoulders.

Jackets will have 2 to 4 stripes added to each sleeve depending on rank. Must have care label permanently affixed; must also have size label showing fiber content.

## ALTERATIONS

The bidder shall be available to measure officers on an "as needed" basis as well as being available to alter pants for a custom fit during regular business hours (8:00 am – 4:00 pm). The availability of the supplier to measure police officers and complete alterations within 24 hours may be required.

## **COMMAND STAFF ALL WEATHER COAT (MATERIAL #10049916)**



**BASIC DESIGN**

100% Wool Gabardine double breasted belted button thru trench coat. Two piece sleeve with permanent epaulets. 100% polyester permanent lining. Two bottom welt pockets with two piece back and back yoke. Open back vent. Zip-out liner **3M Thinsulate** quilted body 100g or department approved equivalent with sleeve warmer. Colors: Black, Navy

<b>SIZES</b>												
Regular	36	38	40	42	44	46	48	50	52	54		
Short	36	38	40	42	44	46	48	50				
Long	38	40	42	44	46	48	50	52	54	56	58	60

**HARLEY DAVIDSON LEATHER JACKET OR DEPARTMENT APPROVED EQUIVALENT (SOLO) (MATERIAL# 10040601)**



Shell: Top Grain Leather (Cowhide)  
Lining: Nylon Quilted (Permanent)  
Thread: Nylon  
Zipper: Heavy Duty  
Color: Black  
Length: 25"  
Features: Zipper sleeves, zipper hand pockets, waist belt, chrome trim and Bi-swing back.

**TAYLOR®LEATHER JACKET OR DEPARTMENT APPROVED EQUIVALENT (MOUNTED)  
(MATERIAL #10040602)**



Taylor Leather Jacket #4480 or department approved equivalent. Top Grain Leather (Cowhide). Lining: Nylon Quilted (Permanent). Nylon thread, heavy duty zipper, length: 25" Color: Black Features: Zipper Sleeves, Zipper Hand Pockets, Waist Belt, Chrome Trim and Bi-Swing Back. Sizes XS – 3XL.

**CLIP TIE (MATERIAL #10049999)**



3-1/2" Ready made, Bendover Tie (Metal Clip) Necktie, 75% Polyester and 25% Wool with pre-tied knot ("Broome" Knot is acceptable), French cuff ends. Pre-tied on large metal bendover clip, knot lock tacked in place. Necktie to have loop label with label sewn on separate ends. Three button holes in tie to match button location on shirts. Length: 12 1/2 " – 22". Color: Navy #61. Weight of fabric: 4 to 5 ounces per square yard.

**CORPAL PATCH (MATERIAL #10035025)**

See attached picture for overall size, shape, color and layout. Emblem is to measure 3" at widest point by 3 1/2" at the highest point. Embroidery detail to be same size, height and weight as shown in picture. Background - Navy with 2 silver chevrons. Twill patch with merrowed edge. Color: To match existing uniform.



## **CHEVRON (SMALL) (MATERIAL #10033096)**

See attached picture for overall size, shape, color and layout. Emblem is to measure 3" at widest point by 4" at the highest point. Embroidery detail and lettering to be same size, height and weight as shown on picture. This emblem must have an overlock border.

Any configuration that does not have substantial concave curves and/or inside angles must be overlocked. The overlock type border must consist of:

**TOP PORTION:** Two separate ends of 300 denier 2 ply rayon or 5 separate ends of 150 denier 2 ply rayon.

**BOTTOM PORTION:** Two separate ends of cotton or cotton polyester in a matching color to the top portion of the overlock. Clear monofilament is not permitted.

The overlock edge must be overrun a minimum of 3/8", and the end threads must be securely fastened to the back of the emblem or pulled through the entire length of the overrun. Neither method should effect the appearance of the emblem after attachment or make the emblem difficult to attach. Securing overrun with tape will not be permitted.

The manufacturer must certify that the overlock border will be applied in such a manner as to prevent it from pulling loose from the edge of the emblem, that it will be of a density sufficient to completely cover the fabric edge of the emblem, and that after proper attachment to a garment it will not curl after washing or dry cleaning.

The color of the overlocked marrow edge must be NAVY BLUE #539

### **BACKGROUND MATERIAL (FABRIC) – TWILL**

The twill background material must be first quality and can not be mill seconds. The material must be colorfast, 6-1/2 x 7-1/2 ounce, cotton/polyester (50% or more polyester content) permanent press, cured and preshrunk (resin impregnated and oven cured).

The background material color must be NAVY BLUE PMS #539

### **EMBROIDERING**

Emblems must be machine embroidered on embroidery machines with numerical control devices. Thread colors and size are identified as follows, and are similar in color to Pantone Matching Systems (PMS):

<b>COLOR</b>	<b>PMS</b>	<b>DENIER</b>
PLATINUM	PMS #427	150/2

Thread must be rayon yard, continuous filament regenerated cellulose type, in a schiffli twist, in the deniers specified above. Emblems must contain not less than 3760 stitches 7520 revolutions, not including the stitching of the overlocked edge.

Stitch scale must be of sufficient density to preclude "bleeding" through of the background material color. There must be sufficient underlay stitching to give a full three-dimensional appearance to the design. Double thread **WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM**. Single thread stitching must be used throughout.

## FINISHING

A plastic film or plasticized non woven must be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the film to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperatures in excess of 300 degrees Fahrenheit in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must NOT be chlorine retentive, nor should it emit toxic gases when subject to heat.

The backing must be applied in such a manner as to preclude crushing flattening or depressing of the embroidery, nor may there be any jump or connecting stitch indentations or depressions in the embroidery caused by pressure during finishing.

The backing material must completely coat all raised elements on the back of the emblem, and fill all depressions.

The finished emblem must be cut to the exact shape and geometry of the approved design.

## WORKMANSHIP

There is to be no distortion of the exterior shape of the emblem. The finished emblem must show a clear cut execution and must be clean; neatly made, and with full tension on all threads. The finished product must show no broken stitches, nor may any stitches be out of proper alignment.

Any repairs or mending must be done so that they do not effect the appearance or serviceability of the emblem. The emblem must not curl and must appear flat and smooth after attachment. The finished product must conform to the quality standard of this specification in all characteristics.

## FABRIC AND THREAD CERTIFICATION

All materials must be certified washable and dry cleanable or dry cleanable only (felt) by the manufacturer. For orders of more than 50,000 pieces, end item testing by the International Fabricare Institute or a similar testing agency may be required.



## **CHEVRON (LARGE) (MATERIAL #10036893)**

### DIMENSION

See attached picture for overall size, shape, color and layout. Emblem is to measure 3" at widest point by 4-1/2" at the highest point. Embroidery detail to be same size, height and weight as shown in picture.



## BORDER

This emblem must have an over-lock border. Any configuration that does not have substantial concave curves and/or inside angles must be over-locked.

The over-lock type border must consist of:

**TOP PORTION:** Two separate ends of 300 denier 2 ply rayon or 5 separate ends of 150 denier 2 ply rayon.

**BOTTOM PORTION:** Two separate ends of cotton or cotton polyester in a matching color to the top portion of the over-lock. Clear monofilament is not permitted.

The over-lock edge must be overrun a minimum of 3/8", and the end threads must be securely fastened to the back of the emblem or pulled through the entire length of the overrun. Neither method should affect the appearance of the emblem after attachment or make the emblem difficult to attach. Securing overrun with tape will not be permitted.

The manufacturer must certify that the over lock border will be applied in such a manner as to prevent it from pulling loose from the edge of the emblem, that it will be of a density sufficient to completely cover the fabric edge of the emblem, and that after proper attachment to a garment it will not curl after washing or dry cleaning.

The color of the over locked marrow edge must be navy blue #539

## BACKGROUND MATERIAL (FABRIC) – TWILL

The twill background material must be first quality and cannot be mill seconds. The material must be colorfast, 6-1/2 x 7-1/2 ounce, cotton/polyester (50% or more polyester content) permanent press, cured and preshrunk (resin impregnated and oven cured).

The background material color must be navy blue PMS #539

## EMBROIDERING

Emblems must be machine embroidered on embroidery machines with numerical control devices. Thread colors and size are identified as follows, and are similar in color to Pantone Matching Systems (PMS):

<u>COLOR</u>	<u>PMS</u>	<u>DENIER</u>
PLATINUM	PMS #427	150/2

Thread must be rayon yard, continuous filament regenerated cellulose type, in a schiffli twist, in the deniers specified above.

Emblems must contain not less than 1750 stitches 3500 revolutions, not including the stitching of the overlocked edge.

Stitch scale must be of sufficient density to preclude "bleeding" through of the background material color. There must be sufficient underlay stitching to give a full three-dimensional appearance to the design.

Double thread WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM. Single thread stitching must be used throughout.

### FINISHING

A plastic film or plasticized non-woven must be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the film to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperatures in excess of 300 degrees Fahrenheit in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must **NOT** be chlorine retentive, nor should it emit toxic gases when subject to heat.

The backing must be applied in such a manner as to preclude crushing flattening or depressing of the embroidery, nor may there be any jump or connecting stitch indentations or depressions in the embroidery caused by pressure during finishing.

The backing material must completely coat all raised elements on the back of the emblem, and fill all depressions.

The finished emblem must be cut to the exact shape and geometry of the approved design.

### WORKMANSHIP

There is to be no distortion of the exterior shape of the emblem. The finished emblem must show a clear cut execution and must be clean; neatly made, and with full tension on all threads. The finished product must show no broken stitches, nor may any stitches be out of proper alignment. Any repairs or mending must be done so that they do not affect the appearance or serviceability of the emblem. The emblem must not curl and must appear flat and smooth after attachment. The finished product must conform to the quality standard of this specification in all characteristics.

### FABRIC AND THREAD CERTIFICATION

All materials must be certified washable and dry cleanable or dry cleanable only (felt) by the manufacturer. For orders of more than 50,000 pieces, end item testing by the International Fabricare Institute or a similar testing agency may be required.

## HPD SHOULDER PATCH (MATERIAL #10044424)



### DIMENSIONS

Emblem is to measure 4 1/8" at the widest point by 5" at the highest point. Embroidery detail and lettering shall be exact size, height, weight and shape as shown in the attached picture.

### BACKGROUND MATERIAL

Background shall be dark navy first quality manufacture (Cone Mills, Graniteville or equivalent) and cannot be purchased as mill seconds. The material is to be vat dyed 7 to 7 1/2 oz. 65/35 polyester/cotton, permanent press type goods, cured and preshrunk (resin-impregnated and oven cured).

### FABRIC AND THREAD CERTIFICATION

All materials MUST be Certified Washable by the International Fabricare Institute. Each package of finished emblems MUST contain a label indicating the International Fabricare Institute approval. Test reports MUST be kept on file available for inspection for one (1) year after the materials are used.

### EMBROIDERY

Emblems shall be embroidered on either a schiffli, multi-head or a comparable machine to produce emblems meeting these specifications. Thread colors shall match previous emblems. Thread shall be rayon yarn, finest quality, continuous filament regenerated cellulose type not to exceed:

### ALL FIELDS

150/2 denier for large elements in the design and 100/2 for the smaller elements and all lettering.

### ALL LETTERING AND DETAIL WORK

- 100/2 denier for large elements in the design and 75/2 for the smaller elements and all lettering.
- 150/2 denier for all elements and all lettering.
- 100/2 denier for all elements and all lettering.
- 75/2 denier for all elements and all lettering.

Emblems shall contain not less than 8500\* stitches, not including the stitching on the over-locked merrow edge. \*Use only genuine color names.

Stitch scale shall be of sufficient density so as to preclude "bleeding" through of the background material color and uneven mating (register) of color elements in the emblem geometry. There shall be sufficient underlay stitching to give a full three dimensional appearance to the design. Double thread WILL NOT BE PERMITTED IN ANY PART OF THE EMBLEM. Single thread stitching must be used throughout.

### OVERLOCKED MERROW EDGE

An over-locked merrow edge must be applied to the emblem after the loom operation. A running stitch shall be supported by a zig-zag stitch, which shall be applied under the over-locked merrow edge to prevent the merrow edge from pulling away from the base fabric. A straight line running stitch will not serve the purpose.

The over-locked merrow edge shall consist of SEVEN SEPARATE THREADS: Five (5) 150/2 denier rayon threads for the top portion of the edge and TWO (2) 20/2 denier COTTON threads for the underneath or backside of the emblem. Less than SEVEN (7) threads in the edge as herein specified or THE USE OF NYLON THREAD IN ANY PART OF THE EDGE WILL NOT BE PERMITTED.

Edge density must be at least twenty-two (22) threads per inch.

The over-locked merrow edge shall be overrun a minimum of 3/8". Threads can be pulled through, pasted down, taped, knotted, or tied. The color of the over-locked merrow edge is to be black.

### FINISHING

A plastic film sheet shall be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the material to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperatures in excess of 300 degrees F in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must NOT be chlorine retentive nor should it emit toxic gases when subject to heat.

The film must be applied in such manner as to preclude crushing, flattening or depressing the embroidery, nor may there be any jump or connecting stitch indentations or depressions in the embroidery caused by pressure during finishing. The finishing process of film stabilization must be applied under constant inspection.

The plastic finishing material must completely coat any raised elements on the back of the emblem, and fill all depressions.

The finished emblem must be die-cut with steel dies to the exact shape and geometry of the approved design.

An open weave buckram must be used on the loom to give stability to the base material.

### WORKMANSHIP

There must be no distortion of the exterior shape of the emblem. The finished emblem shall show a clear cut execution and shall be clean, neatly made, and with full tension on all threads. It must be capable of lying completely flat on a smooth surface. Threads cannot buckle or show underlay when the emblem is bent.

The finished product can show no broken stitches, nor any stitches out of proper alignment. No part of the emblem may be mended or repaired by non-embroidery methods. The finished product shall conform to the

quality standards of this specification in all characteristics. All work shall be performed and completed in a thorough, workmanlike manner and in accordance with the latest proven practices of the trade by thoroughly skilled and experienced workmen.

### SAMPLES

Additionally, the successful bidder will be required to furnish a finished production sample of the design in this bid for consideration of vendor's ability to meet these specifications. Samples will be evaluated to determine compliance with all the characteristics listed for examination in the solicitation.

Each bidder must submit three (3) different samples, from his current production of emblems of similar size and complexity as the proposed emblem. These samples **MUST** be representative of the bidder's highest production standard.

Additionally, the successful bidder will be required to furnish three (3) loomed and finished production samples of the design in this bid for consideration of vendor's ability to meet these specifications. These production samples must be approved by the Houston Police Department prior to manufacturing the entire quantity of emblems, and will be maintained for use in quality control and comparison when complete shipments are received. Any variance will be sufficient reason for rejection of a shipment.

Samples presented must contain all features and meet all standards of these specifications.

### INSPECTION BY MANUFACTURER

Individual inspection of each and every emblem is required. Each emblem shall be inspected against these specifications. No random sample inspection shall be allowed. All emblems which do not pass inspection shall be destroyed by the vendor immediately and not allowed to be distributed to any parties other than the Houston Police Department.

### DELIVERY

The location for delivery will be Uniform Supply, 700 Houston Avenue, Houston, TX 77007.

### EXAMPLES

Examples of the patches currently in use are available for viewing at the City of Houston Police Department, Uniform Supply Section, 700 Houston Avenue, Houston, Texas, between the hours of 6:00 a.m. - 4:00 p.m., Monday thru Friday.

#### **HPD JACKET BADGE PATCH**



**(MATERIAL #10028521)**



**(MATERIAL #10028520)**

## DESIGN

Police shield to measure 3 1/4" from top point to bottom point. Widest point to measure 3" styled as pictured. Color: Background to be gold or silver as specified upon ordering with fully Swiss stitch embroidered. The outline, lettering, scrolls and central star shall be embroidered with navy blue.

Patch shall be 100% embroidered in usually four (4) colors, sample will be provided upon request. 100% embroidered background shall be white. Material: All embroidery yarn shall be colorfast. Patches shall be sewn on to garment using polyester thread.

Both pockets will remain open and usable. Police Department patch will be sewn 3/4" above the pocket on the left side of the shirt. Patch embroidery yarn shall be colorfast and shall be sewn on to garment using polyester thread.

## **FLEET MANAGEMENT PATCH (MATERIAL #10049928)**



## DESIGN

Midnight navy blue patch 3" in diameter. The patch has gold (PMS #116) detailed embroidery and lettering the same size, height and weight of sample picture. This emblem must have an over-lock border.

Any configuration that does not have substantial concave curves and/or inside angles must be over-locked. Thread must be rayon yard, continuous filament cellulose type, in a schiffli twist, in the deniers specified above.

Emblem must contain no less than 3476 stitches 6952 revolutions, not including the stitching of the over-locked edge. Stitch scale must be sufficient density to preclude "bleeding" through the background material color.

There must be sufficient underlay stitching to give a full three-dimensional appearance of the design. Double thread WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM. Single thread stitching must be used throughout.

## FINISHING

A finish film or plasticized non-woven must be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the film to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperature in excess of 300 degrees Fahrenheit in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must NOT be chlorine retentive, nor should it emit toxic gases when subject to heat.

The backing must be applied in such a manner as to preclude crushing, flattening or depressing of the embroidery, nor may there be any jump or connecting stitch indentation or depression in the embroidery caused by pressure during finishing. The backing material must completely coat all raised elements on the back of the emblem, and fill all depressions. The finished emblem must be cut to the exact shape and geometry of the approved design.

There is to be no distortion of the exterior shape of the emblem. The finished emblem must show a clear cut execution and must be clean, neatly made, and with full tension on all threads. The finished product must show no broken stitches, nor stitches of improper alignment. Any repairs or mending must be done so that they do not affect the appearance or serviceability of the emblem. The emblem must not curl and must appear flat and smooth after attachment. The finished product must conform to the quality standard of this specification in all characteristics.

### FABRIC AND THREAD CERTIFICATION

All materials must be certified washable and dry cleanable or dry cleanable only (felt) by the manufacturer. For orders of more than 50,000 pieces, end item testing by the International Fabricare Institute or a similar testing agency may be required. This emblem must have an over-lock border.

### DEFINITION

Any configuration that does not have substantial concave curves and/or inside angles must be over-locked. The over-lock type border must consist of:

**TOP PORTION:** Two (2) separate ends of 300 denier 2 ply rayon or five (5) separate ends of 150 denier 2-ply rayon.

**BOTTOM PORTION:** Two (2) separate ends of cotton or cotton polyester in a matching color to the top portion of the over-lock. Clear non-filament is not permitted.

The over-lock edge must be overrun a minimum of 3/8", and the end threads must be securely fastened to the back of the emblem or pulled through the entire length of the overrun. Neither method should affect the appearance of the emblem after attachment or make the emblem difficult to attach. Securing overrun with tape will not be permitted.

The manufacturer must certify that the over-lock border will be applied in such a manner as to prevent it from pulling loose from the edge of the emblem, that it will be a density sufficient to completely cover the fabric edge of the emblem, and that after proper attachment to a garment it will not curl after washing or dry cleaning. The color of the over-locked narrow edge must be navy blue #282.

### BACKGROUND MATERIAL (FABRIC) - TWILL

The twill background material must be first quality and cannot be mill seconds. The material must be colorfast, 6-1/2 x 7-1/2 ounce, cotton/polyester (50% or more polyester content) permanent press, cured and preshrunk (resin impregnated and oven cured). The background material must be navy blue PMS #123.

### EMBROIDERING

Emblems must be machine embroidered on embroidery machine with numerical central devices. Thread colors and size are identified as follows, and are similar in color to Pantone Matching Systems (PMS):

<u>COLOR</u>	<u>PMS</u>	<u>DENIER</u>
NAVY BLUE	PMS #282	100/2

Thread must be rayon yard, continuous filament cellulose type, in a schiffli twist, in the deniers specified above.

Emblem must contain no less than 3476 stitches 6952 revolutions, not including the stitching of the over-locked edge.

Stitch scale must be sufficient density to preclude "bleeding" through the background material color. There must be sufficient underlay stitching to give a full three-dimensional appearance of the design.

Double thread WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM. Single thread stitching must be used throughout.

#### DIMENSIONS

Thread colors and size are identified as follows, and are similar in color to Pantone Matching Systems (PMS):

<u>COLOR</u>	<u>PMS</u>	<u>DENIER</u>
GOLD	#123	100/2
MED BLUE	#284	150/2
NAVY BLUE	#282	100/2

Thread must be rayon yard, continuous filament regenerated cellulose type, in a schiffli twist, in the deniers specified above.

Emblems must contain not less than 5610 stitches 11,220 revolutions, not including the stitching of the over-locked edge.

Stitch scale must be of sufficient density to preclude "bleeding" through of the background material color. There must be sufficient underlay stitching to give a full three-dimensional appearance to the design.

Double thread WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM. Single thread stitching must be used throughout.

## **EMERGENCY COMMUNICATION DIVISION (ECD) (MATERIAL #10035025)**

### DIMENSIONS

**See attached picture** for overall size, shape, color and layout. Emblem is to measure 3" in diameter. Embroidery detail and lettering shall be same size, height and weight as shown on drawing.



### BORDER (OVERLOCK TYPE)

This emblem must have an over-lock border. Any configuration that does not have substantial concave curves and/or inside angles must be over-locked. The over-lock type border must consist of:

**TOP PORTION:** One end of 300 denier 4 ply rayon or two (2) separate ends of 300 denier 2 ply rayon or five (5) separate ends of 150 denier 2 ply rayon.

**BOTTOM PORTION:** Two (2) separate ends of cotton or cotton polyester in a matching color to the top portion of the over-lock. Clear monofilament is not permitted.

The over-lock edge must be overrun a minimum of 3/8", and the end threads must be securely fastened to the back of the emblem or pulled through the entire length of the overrun. Neither method should affect the appearance of the emblem after attachment or make the emblem difficult to attach. Securing overrun with tape will not be permitted.

The manufacturer must certify that the over-lock border will be applied in such a manner as to prevent it from pulling loose from the emblem that it will be of a density sufficient to completely cover the fabric edge of the emblem, and that after proper attachment to a garment it will not curl after washing or dry cleaning. The color of the over-locked marrow edge must be navy blue #282.

### BACKGROUND MATERIAL (FABRIC) – TWILL

The twill background material must be first quality and cannot be mill seconds. The material must be colorfast, 6-1/2 x 7-1/2 ounce, cotton/polyester (50% or more polyester content) permanent press, cured and preshrunk (resin impregnated and oven cured). The background material color must be white or gold PMS #123.

### EMBROIDERING

Emblems must be machine embroidered on embroidery machines with numerical control devices.

Thread colors and size are identified as follows, and are similar in color to Pantone Matching Systems (PMS):

COLOR

PMS

DENIER

NAVY BLUE	PMS #282	100/2
GREY	PMS #422	100/2
MED BLUE	PMS #284	100/2

Thread must be rayon yard, continuous filament regenerated cellulose type, in a schiffli twist, in the deniers specified above. Emblems must contain not less than 2950 stitches 5900 revolutions, not including the stitching of the over-locked edge.

Stitch scale must be of sufficient density to preclude "bleeding" through of the background material color. There must be sufficient underlay stitching to give a full three-dimensional appearance to the design. Double thread WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM. Single thread stitching must be used throughout.

### FINISHING

A plastic film or plasticized non- woven must be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the film to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperatures in excess of 300 degrees F in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must NOT be chlorine retentive, nor should it emit toxic gases when subject to heat.

The backing must be applied in such a manner as to preclude crushing flattening or depressing of the embroidery, nor may there be any jump or connecting stitch indentations or depressions in the embroidery caused by pressure during finishing.

The backing material must completely coat all raised elements on the back of the emblem, and fill all depressions.

The finished emblem must be cut to the exact shape and geometry of the approved design.

### WORKMANSHIP

There is to be no distortion of the exterior shape of the emblem. The finished emblem must show a clear cut execution and must be clean; neatly made, and with full tension on all threads.

The finished product must show no broken stitches, nor may any stitches be out of proper alignment. Any repairs or mending must be done so that they do not affect the appearance or serviceability of the emblem.

The emblem must not curl and must appear flat and smooth after attachment. The finished product must conform to the quality standard of this specification in all characteristics..

### FABRIC AND THREAD CERTIFICATION

All materials must be certified washable and dry cleanable only (felt) by the manufacturer. For orders of more than 50,000 pieces, end item testing by the International Fabricare Institute or a similar testing agency may be required.

**HOUSTON HPD JAILER (MATERIAL #10049929)**

DIMENSIONS

See attached picture for overall size, shape, color and layout. Emblem is to measure 3" in diameter. Embroidery detail and lettering shall be same size, height and weight as shown on drawing.



BORDER (OVERLOCK TYPE)

This emblem must have an over-lock border. Any configuration that does not have substantial concave curves and/or inside angles must be over-locked. The over-lock type border must consist of:

TOP PORTION: One (1) end of 300 denier 4 ply rayon or two (2) ply separate ends of 300 denier 2 ply rayon or five (5) separate ends of 150 denier 2 rayon.

BOTTOM PORTION: Two (2) separate ends of cotton or cotton polyester in a matching color to the top portion of the Over-lock. Clear monofilament is not permitted.

The over-lock edge must be overrun a minimum of 3/8", and the end threads must be securely fastened to the back of the emblem or pulled through the entire length of the overrun. Neither method should affect the appearance of the emblem after attachment or make the emblem difficult to attach. Securing overrun with tape will not be permitted. The manufacturer must certify that the over-lock border will be applied in such a manner as to prevent it from pulling loose from the emblem; that it will be of a density sufficient to completely cover the fabric edge of the emblem, and that after proper attachment to a garment it will not curl after washing or dry cleaning. The color of the over-locked marrow edge must be navy blue #282.

BACKGROUND MATERIAL (FABRIC) – TWILL

The twill background material must be first quality and cannot be mill seconds. The material must be colorfast, 6-1/2 x 7-1/2 ounce, cotton/polyester (50% or more polyester content) permanent press, cured and preshrunk (resin impregnated and oven cured). The background material color must be grey (PMS#429).

EMBROIDERING

Emblems must be machine embroidered on embroidery machines with numerical control devices. Thread colors and size are identified as follows, and are similar in color to Pantone Matching Systems (PMS):

<u>COLOR</u>	<u>PMS</u>	<u>DENIER</u>
NAVY BLUE	PMS #282	100/2

Thread must be rayon yard, continuous filament regenerated cellulose type, in a schiffli twist, in the deniers specified above. Emblems must contain not less than 2250 stitches 4500 revolutions, not including the stitching of the over-locked edge.

Stitch scale must be of sufficient density to prelude "bleeding" through of the background material color. There must be sufficient underlay stitching to give a full three-dimensional appearance to the design. Double thread WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM. Single thread stitching must be used throughout.

### FINISHING

A plastic film or plasticized non- woven must be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the film to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperatures in excess of 300 degrees F in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must NOT be chlorine retentive, and should not emit toxic gases when subject to heat.

The backing must be applied in such a manner as to preclude crushing, flattening or depressing of the embroidery, nor may there be any jump or connecting stitch indentations or depressions in the embroidery caused by pressure during finishing.

The backing material must completely coat all raised elements on the back of the emblem, and fill all depressions. The finished emblem must be cut to the exact shape and geometry of the approved design.

### WORKMANSHIP

There is to be no distortion of the exterior shape of the emblem. The finished emblem must show a clear cut execution and must be clean; neatly made, and with full tension on all threads. The finished product must show no broken stitches, nor may any stitches be out of proper alignment. Any repairs or mending must be done so that they do not affect the appearance or serviceability of the emblem. The emblem must not curl and must appear flat and smooth after attachment. The finished product must conform to the quality standard of this specification in all characteristics.

### FABRIC AND THREAD CERTIFICATION

All materials must be certified washable and dry cleanable by the manufacturer. For orders of more than 50,000 pieces, end item testing by the International Fabricare Institute or a similar testing agency may be required.

### **HOUSTON HPD SENIOR JAILER (MATERIAL #10049930)**

See attached picture for overall size, shape, color and layout. Midnight navy blue patch, 3" in diameter with detailed embroidery and lettering the same size, height and weight of sample drawing and over locking border (gold PMS #1166 100/2), per specifications.



### **POLICE MOURNING BADGE (MATERIAL #10013407)**

See attached picture for overall size, shape, color and layout. A cloth embroidered wraparound attachment with Velcro self-adhering ends. Velcro ends are sewn on. The badge color is black trimmed in purple. Woven on the cover is the Latin Verse: "NEMO ME IMPUNE LACESSIT," in gold lettering. The badge size is 5-1/2" length by 1" width, per specifications.



### **CRIME SCENE INVESTIGATOR EMBLEM (MATERIAL #10048631)**

See attached picture for overall size, shape, color and layout. Emblem is to measure 3" diameter. The material must be colorfast, 6-1/2 x 7-1/2 ounce, cotton/polyester (50% or more polyester content) permanent press, cured and preshrunk. The background material color (inside circle must be blue, outside circle must be red). The letters CSU at the center must measure 1/2" in Lemon Gold thread. All other lettering should measure 1/4".



### **POLICE SERVICE OFFICER (MATERIAL #10049931)**

#### DIMENSIONS

See attached picture for overall size, shape, color and layout. Emblem is to measure 3" in diameter. Embroidery detail and lettering to be same the size, height and weight as shown on drawing or sample.



BORDER

This emblem must have an over-lock border (x) a stitched border ( ).

BACKGROUND MATERIAL (FABRIC) TWILL

The twill background material must be first quality and cannot be mill seconds. The material must be colorfast, 6-1/2 x 7-1/2 ounce, cotton/polyester (50% or more polyester content) permanent press, cured and preshrunk (resin impregnated and oven cured). The background material color must be midnight navy blue PMS# 296C.

EMBROIDERING

Emblems must be machine embroidered on embroidery machines with numerical control devices. Thread colors and size are identified as follows, and are similar in color to Pantoon Matching Systems (PMS).

<u>COLOR</u>	<u>PMS</u>	<u>DENIER</u>
GOLD	PMS# 116	100/2

Thread must be rayon yard, continuous filament regenerated cellulose type, in a schiffi twist, in the deniers specified above.

Emblems must contain not less than 3476 stitches 6952 revolutions, not including the stitching of the over-locked edge. Stitch scale must be of sufficient density to preclude "bleeding" through of the background material color.

There must be sufficient underlay stitching to give a full three-dimensional appearance to the design.

Double thread WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM. Single thread stitching must be used throughout.

OVERLOCK TYPE

Any configuration that does not have substantial concave curves and/or inside angles must be over-locked. The over-lock type border must consist of:

TOP PORTION: One end of 300 denier 4 ply rayon or 2 separate ends of 300 denier 2 ply rayon or 5 separate ends of 150 denier 2 ply rayon.

**BOTTOM PORTION:** Two separate ends of cotton or cotton polyester in a matching color to the top portion of the over-lock. Clear monofilament is not permitted.

The over-lock edge must be overrun a minimum of 3/8", and the end threads must be securely fastened to the back of the emblem or pulled through the entire length of the overrun. Neither method should affect the appearance of the emblem after attachment or make the emblem difficult to attach. Securing overrun with tape will not be permitted.

The manufacturer must certify that the over-lock border will be applied in such a manner as to prevent it from pulling loose from the emblem that it will be of a density sufficient to completely cover the fabric edge of the emblem, and that after proper attachment to a garment it will not curl after washing or dry cleaning.

The color of the over-locked marrow edge must be gold PMS #116.

### FINISHING

A plastic film or plasticized non- woven must be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the film to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperatures in excess of 300 degrees F in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must NOT be chlorine retentive, nor should it.

The backing must be applied in such a manner as to preclude crushing, flattening or depressing of the embroidery, nor may there be any jump or connecting stitch indentations or depressions in the embroidery caused by pressure during filming. The backing material must completely coat all raised elements on the back of the emblem, and fill all depressions.

The finished emblem must be cut to the exact shape and geometry of the approved design.

### WORKMANSHIP

There is to be no distortion of the exterior shape of the emblem. The finished emblem must show a clean cut execution and must be clean; neatly made, and will full tension on all threads. The finished product must show no broken stitches, nor may any stitches be out of proper alignment.

Any repairs or mending must be done so that they do not affect the appearance or serviceability of the emblem. The emblem must not curl and must appear flat and smooth after attachment. The finished product must conform to the quality standard of this specification in all characteristics.

### **SERVICE BARS**

Service bars are to be 1/4" wide by 1-7/8" long on a 30 degree angle in white on navy ground. There will be 1/8" spacing between bars. The bars will be embroidered with 65% polyester and 35% cotton, 7 oz. to 8 oz., wash and wear twill. All edges of the emblem will be 1/8" thread stitched border to prevent fraying. The "ground" material will be mounted on two layers of resinated and waxed cinoline and starched after embroidery is done. Embroidery threads will be 100/z rayon and nylon bobbin threads. Bars will be constructed from one (1) bar through twelve (12) bars as specified upon the order. (See attached drawing of 5 bars).

**(MATERIAL NUMBERS: BAR 1 -10014523 – BAR 2: 10047200 – BAR 3: 10014526 – BAR 4: 10014527 – BAR 5: 10014528 – BAR 6: 10014529 – BAR 7: 10014530 – BAR 8: 10047201 – BAR 9: 10014531 – BAR 10: 10049924 – BAR 11: 10049925 – BAR 12: 10049926)**



**HONOR GUARD PATCH (MATERIAL #10049927)**



DIMENSIONS

Emblem is to measure 4 1/8" at the widest point by 5" at the highest point. Embroidery detail and lettering to be exact size, height, weight and shape. Rocker and patch to be constructed as one piece.

BACKGROUND MATERIAL

Background shall be first quality manufacture (Cone Mills, Graniteville or equivalent) and cannot be purchased as mill seconds. The material is to be vat dyed 7 to 7 1/2 oz. 65/35 polyester/cotton, permanent press type goods, cured and preshrunk (resin-impregnated and oven cured).

FABRIC AND THREAD CERTIFICATION

All materials MUST be Certified Washable by the International Fabricare Institute. Each package of finished emblems MUST contain a label indicating the International Fabricare Institute approval. Test reports MUST be kept on file available for inspection for one (1) year after the materials are used.

EMBROIDERY

Emblems shall be embroidered on either a schiffli, multi-head or a comparable machine to produce emblems meeting these specifications. Thread colors shall match previous emblems. Thread shall be rayon yarn, finest quality, continuous filament regenerated cellulose type.

ALL FIELDS

150/2 denier for large elements in the design and 100/2 for the smaller elements and all lettering.

ALL LETTERING AND DETAIL WORK

- 100/2 denier for large elements in the design and 75/2 for the smaller elements and all lettering.
- 150/2 denier for all elements and all lettering.
- 100/2 denier for all elements and all lettering.
- 75/2 denier for all elements and all lettering.

Emblems shall contain not less than 8500\* stitches, not including the stitching on the over-locked merrow edge. \*Use only genuine color names.

Stitch scale shall be of sufficient density so as to preclude "bleeding" through of the background material color and uneven mating (register) of color elements in the emblem geometry. There shall be sufficient underlay stitching to give a full three dimensional appearance to the design. Double thread WILL NOT BE PERMITTED IN ANY PART OF THE EMBLEM. Single thread stitching must be used throughout.

### OVERLOCKED MERROW EDGE

An over-locked merrow edge must be applied to the emblem after the loom operation. A running stitch shall be supported by a zig-zag stitch, which shall be applied under the over-locked merrow edge to prevent the merrow edge from pulling away from the base fabric. A straight line running stitch will not serve the purpose.

The over-locked merrow edge shall consist of SEVEN SEPARATE THREADS: Five (5) 150/2 denier rayon threads for the top portion of the edge and TWO (2) 20/2 denier COTTON threads for the underneath or backside of the emblem. Less than SEVEN (7) threads in the edge as herein specified or THE USE OF NYLON THREAD IN ANY PART OF THE EDGE WILL NOT BE PERMITTED.

Edge density must be at least twenty-two (22) threads per inch.

The over-locked merrow edge shall be overrun a minimum of 3/8". Threads can be pulled through, pasted down, taped, knotted, or tied. The color of the over-locked merrow edge is to be black.

### FINISHING

A plastic film sheet shall be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the material to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperatures in excess of 300 degrees F in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must NOT be chlorine retentive nor should it emit toxic gases when subject to heat.

The film must be applied in such manner as to preclude crushing, flattening or depressing the embroidery, nor may there be any jump or connecting stitch indentations or depressions in the embroidery caused by pressure during finishing. The finishing process of film stabilization must be applied under constant inspection.

The plastic finishing material must completely coat any raised elements on the back of the emblem, and fill all depressions. The finished emblem must be die-cut with steel dies to the exact shape and geometry of the approved design. An open weave buckram must be used on the loom to give stability to the base material.

## WORKMANSHIP

There must be no distortion of the exterior shape of the emblem. The finished emblem shall show a clear cut execution and shall be clean, neatly made, and with full tension on all threads. It must be capable of lying completely flat on a smooth surface. Threads cannot buckle or show underlay when the emblem is bent. The finished product can show no broken stitches, nor any stitches out of proper alignment. No part of the emblem may be mended or repaired by non-embroidery methods. The finished product shall conform to the quality standards of this specification in all characteristics. All work shall be performed and completed in a thorough, workmanlike manner and in accordance with the latest proven practices of the trade by thoroughly skilled and experienced workmen.

## SAMPLES

Additionally, the successful bidder will be required to furnish a finished production sample of the design in this bid for consideration of vendor's ability to meet these specifications. Samples will be evaluated to determine compliance with all the characteristics listed for examination in the solicitation.

Each bidder must submit three (3) different samples, from his current production of emblems of similar size and complexity as the proposed emblem. These samples **MUST** be representative of the bidder's highest production standard.

Additionally, the successful bidder will be required to furnish three (3) loomed and finished production samples of the design in this bid for consideration of vendor's ability to meet these specifications. These production samples must be approved by the Police Department prior to manufacturing the entire quantity of emblems, and will be maintained for use in quality control and comparison when complete shipments are received. Any variance will be sufficient reason for rejection of a shipment. Samples presented must contain all features and meet all standards of these specifications.

## INSPECTION BY MANUFACTURER

Individual inspection of each and every emblem is required. Each emblem shall be inspected against these specifications. No random sample inspection shall be allowed. All emblems which do not pass inspection shall be destroyed by the vendor immediately and not allowed to be distributed to any parties other than the Houston Police Department.

## DELIVERY

The location for delivery will be stated by the Houston Police Department.

## EXAMPLES

Examples of the patches currently in use are available for viewing at the City of Houston Police Department, Uniform Supply Section, 700 Houston Avenue, Houston, Texas, between the hours of 6:00 a.m. - 4:00 p.m., Monday thru Friday.

## **HOUSTON POLICE ACADEMY PATCH (MATERIAL #10014544)**

### DIMENSIONS

See attached picture for overall size, shape, color and layout. Emblem is to measure 4" at widest point by 4" at the highest point. Embroidery detail and lettering to be same size, height and weight as shown on drawing.



### BORDER (OVERLOCK TYPE)

This emblem must have an over-lock border. Any configuration that does not have substantial concave curves and/or inside angles must be over-locked. The over-lock type border must consist of:

**TOP PORTION:** One end of 300 denier 4 ply rayon or two (2) separate ends of 300 denier 2 ply rayon or five (5) separate ends of 150 denier 2 ply rayon.

**BOTTOM PORTION:** Two separate ends of cotton or cotton polyester in a matching color to the top portion of the over-lock. Clear monofilament is not permitted.

The over-lock edge must be overrun a minimum of 3/8", and the end threads must be securely fastened to the back of the emblem or pulled through the entire length of the overrun. Neither method should affect the appearance of the emblem after attachment or make the emblem difficult to attach. Securing overrun with tape will not be permitted.

The manufacturer must certify that the over-lock border will be applied in such a manner as to prevent it from pulling loose from the emblem that it will be of a density sufficient to completely cover the fabric edge of the emblem, and that after proper attachment to a garment it will not curl after washing or dry cleaning.

The color of the over-locked marrow edge must be royal blue PMS #287.

### BACKGROUND MATERIAL (FABRIC) – TWILL

The twill background material must be first quality and cannot be mill seconds. The material must be colorfast, 6-1/2 x 7-1/2 ounce, cotton/polyester (50% or more polyester content) permanent press, cured and preshrunk (resin impregnated and oven cured). The background material color must be white.

## EMBROIDERING

Emblems must be machine embroidered on embroidery machines with numerical control devices. Thread colors and size are identified as follows, and are similar in color to Pantone Matching Systems (PMS):

<u>COLOR</u>	<u>PMS</u>	<u>DENIER</u>
ROYAL BLUE	#287	100/2
FLAME	#032	100/2

Thread must be rayon yard, continuous filament regenerated cellulose type, in a schiffli twist, in the deniers specified above. Emblems must contain not less than 2500 stitches 5000 revolutions, not including the stitching of the over-locked edge.

Stitch scale must be of sufficient density to preclude "bleeding" through of the background material color. There must be sufficient underlay stitching to give a full three-dimensional appearance to the design. Double thread WILL NOT BE PERMITTED IN ANY PART OF THIS EMBLEM. Single thread stitching must be used throughout.

## FINISHING

A plastic film or plasticized non -woven must be bonded to the reverse side of the emblem with sufficient heat and pressure to cause the film to melt and bond to the fabric and bobbin threads. The film used must be able to withstand temperatures in excess of 300 degrees F in an alkaline solution and must be non-soluble in all commercial laundering fluids. Coating or film must NOT be chlorine retentive, nor should it emit toxic gases when subject to heat.

The backing must be applied in such a manner as to preclude crushing flattening or depressing of the embroidery, nor may there be any jump or connecting stitch indentations or depressions in the embroidery caused by pressure during finishing.

The backing material must completely coat all raised elements on the back of the emblem, and fill all depressions. The finished emblem must be cut to the exact shape and geometry of the approved design.

## WORKMANSHIP

There is to be no distortion of the exterior shape of the emblem. The finished emblem must show a clear cut execution and must be clean; neatly made, and with full tension on all threads. The finished product must show no broken stitches, nor may any stitches be out of proper alignment. Any repairs or mending must be done so that they do not affect the appearance or serviceability of the emblem. The emblem must not curl and must appear flat and smooth after attachment. The finished product must conform to the quality standard of this specification in all characteristics.

## FABRIC AND THREAD CERTIFICATION

All materials must be certified washable and dry cleanable or dry cleanable only (felt) by the manufacturer. For orders of more than 50,000 pieces, end item testing by the International Fabricare Institute or a similar testing agency may be required.

## MEDALS ASSIGNMENT PINS

### BASIC DESIGN

The pin shall be Sixteen (16) gauge, 95% gliding metal. Finish: Rhodium with blue enamel on plant and center logo with raised relief lettering Rhodium. Color: Gold or silver as specified upon request. Gold will be used for medals designated for supervisors.

### MEDAL NAMES

Divisional Tactical Unit (**MATERIAL #10013421**)



Field Training Instructor (**MATERIAL #10049896**)



Gang Investigations (**MATERIAL #10013427**)



Motorcycle (Solo) (**MATERIAL #10013450**)



Fleet Safety (**MATERIAL #10049898**)



Fire Arms Instructor (**MATERIAL #10049897**)



Field Training Supervisor (**MATERIAL #10049895**)



Hablo Espanol (**MATERIAL #10013429**)



Intoxilyzer Operator (**MATERIAL #10013437**)



Accident Investigator (**MATERIAL #10049886**)



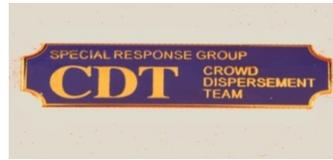
Advance Hostage Negotiator (**MATERIAL #10049887**)



Bicycle Patrol (**MATERIAL #10013416**)



Crowd Dispersement Team (**MATERIAL #10033190**)



Crime Analysis Unit (**MATERIAL #10012517**)



Crime Prevention Specialist (**MATERIAL #1004988**)



Crime Scene Investigator (**MATERIAL #10049889**)



Crime Scene Supervisor (**MATERIAL #10049890**)



Criminal Investigator (**MATERIAL #10049891**)



Crisis Intervention Team (**MATERIAL #10049892**)



Differential Response Team (**MATERIAL #10049893**)



DWI Task Force (**MATERIAL #10049894**)



Training Coordinator (**MATERIAL 10013424**)



Hazardous Materials Specialist (**MATERIAL #10049899**)



Hit and Run Investigator (**MATERIAL #10049900**)



Hostage Negotiator (**MATERIAL #10049901**)



Master Hostage Negotiator (**MATERIAL #10049902**)



Identification Division (**MATERIAL #10049903**)



Latent Print Unit (**MATERIAL #10049904**)



Mounted Patrol (**MATERIAL #10049905**)



Radar Task Force (**MATERIAL #10049906**)



Recruit Training Officer (**MATERIAL #10049907**)



Recruit Training Sergeant (**MATERIAL #10049908**)



Sabre Sword (**MATERIAL #10049909**)



Traffic Enforcement (MATERIAL #10044993)



**STARS ON HORIZONTAL BAR - 2 STARS (MATERIAL #100319001)**

The two (2) stars will be brass plated with decorative gold. Military style clutch. Size to be 1" on single bar with a 2" approximate length. The prongs will be 1/2" in length to be worn on dress coats and 3/8" in length for uniform shirts.



**STARS ON HORIZONTAL BAR - 3 STARS (MATERIAL #10031905)**

The three (3) stars will be brass plated with decorative gold. Military style clutch. Size to be 1" on single bar with a 2" approximate length. The prongs will be 1/2" in length to be worn on dress coats and 3/8" in length for uniform shirts.



**STARS ON HORIZONTAL BAR - 4 STARS (MATERIAL #10013441)**

The four (4) stars will be brass plated with decorative gold. Military style clutch. Size to be 1" on single bar with a 2" approximate length. The prongs will be 1/2" in length to be worn on dress coats and 3/8" in length for uniform shirts.



**DISTINGUISHED EXPERT (MATERIAL #10043870)**

This is to be manufactured of oxide foundation, then with heavy brass gold plate finish with two clutch pin back attachments with clips. There shall be two rings attached to top plate with two eye loops attaching to rings which are attached to top of badge at eagle's wings with eagle's head facing to the "D". The bar will be in gold letters with background of hard black enamel. Size of bar to be 1/4" by 1-1/4".



**EXPERT (MATERIAL #10033839)**

A 13/16" diameter center plate with 3/16" plank attached by loose dangle; plate to be bordered by wreath and eagle with 1-1/16" wing span permanently affixed to center top of plate.

The miniature badges shall have two panels as part of the badge and the center shall have silhouette next to a bull eyes target to scale with wreath leaves on both sides. The miniature badge shall have one clutch pin attachment in center of back of badge. Letters on badge shall be black enamel. Size: 15/16" x 1-1/4" approximate size. Bar and badge 2" in approximate height. Finish in either gold or silver when ordered.



**MARKSMAN PIN (MATERIAL #10033844)**

DESIGN

The pin shall be a 13/16" diameter center plate with 3/16" plank attached by loose dangle; plate to border by raised smooth border. Finish: Gold or silver as specified when ordered.



**SHARPSHOOTER PIN (MATERIAL #10033845)**

DESIGN

The pin shall be a 13/16" diameter center plate with 3/16" plank attached by loose dangle; plate to be bordered by wreath. Finish: Gold or silver as specified when ordered. Size: 9-1/6" overall width shaped to a center width on 5/16" with 1/8" radius concave curve on each corner. Length size: 1-7/8" Overall width shaped to a center width of 1-3/4" with 1/8" radius concave curve on each corner. Sixteen (16) gauge, 95% gliding metal. Finish: Blue enamel as per sample with Rhodium border and lettering (gold) bordering and lettering

for supervisors as requested); and white enamel alpha logo where applicable. Shall have two (2) 3/8" prongs attached by clutches. Should be hard soldered or silver soldered. Police shield to measure 3 1/4" from top point to bottom point. Widest point to measure 3" styled as pictured. Color: Background to be Gold or Silver as specified upon ordering with fully Swiss stitch embroidered. The outline, lettering, scrolls and central star shall be embroidered with navy blue.



Special Response Group (SRG) (MATERIAL #10049912)



**LIEUTENANT BARS (MATERIAL #10049885 )**

The Lieutenant bars will be brass plated with decorative gold. Safety pin back. Size to be 3/8" x 1". Edges to be beveled. Bar to have slight curvature (approximately 1/16"). Style as pictured.



**CAPTAIN BARS (MATERIAL #10031907)**

The Captain bars will be brass plated with decorative gold. Safety pin back. Size to be 1"x 1". Edges to be beveled. Bar to have slight curvature (approximately 1/16"). Style as pictured.



**HPD COLLAR INSIGNIA PIN (MATERIAL #10013456)**



## DESIGN

The insignia will have two (2) posts 5/16" in length fused in the horizontal centerline of the outside edges of the H and D letters. Each post shall come with a clutch. The bar between the letters will be reduced .030 below the surface of the letters. The area between the individual letters is pierced. Size: The insignia will be 7/16" high and 1 3/16" long. Gilding metal .090 thickness. Polished, nickel plated or polished, 24KT gold plated.

Field Performance Evaluator (**MATERIAL #1044993**)



**BLAUER ZIPPER STYLE LONG SLEEVE SUPERSHIRT™ FOR CLASSIFIED MALE AND FEMALE (STYLE 8451HPD) (MATERIAL #10014155)**

## GENERAL REQUIREMENTS

Failure to complete the compliance questions following each section below will result in automatic rejection of such bids as non-responsive. All garment details not specifically described herein, tailoring, styling, construction, materials, and components must match the standard reference sample.

Pre-bid samples required at the time of the bid opening. Samples may be subjected to laboratory testing at the discretion of the contracting officer. Bidders are responsible for all testing costs of their sample garments.

Bidders must enclose evidence (dated manufacturers catalogs or similar) that this item is currently a commercial in-stock style. The successful bidder will provide a full size run of try-on garments within 10 days for agency approval.

Garments will have a warranty covering (at minimum) defects in materials and workmanship for one (1) year. Garments must be manufactured to ISO 9001 quality assurance standard. (AG0306)

## SHELL FABRIC

6.00 Oz / Square yard 75/25 poly/wool, single-ply warp and filling. Machine washable and dry cleanable wool blend provides user comfort, uniform appearance, durability, and easy care.

Breathable, 4 way stretch, 6 Oz. Nylon with Lycra mesh technical knit with high abrasion and pill resistance.

## TRIM

Lining: 100% Polyester Satin or 100% Polyester Taffeta. Interlining: Small Parts: 100% polyester, Front Placket: 50% Polyester 50% Cotton. Hook and loop: Woven Nylon base. Buttons: melamine, 20 ligne, matching shell fabric.

DESIGN AND CONSTRUCTION

Long sleeved uniform shirt with shaped stretch side panels continuing under arms for improved fit, Axon integration system, and hidden reflective pull downs. Axon pockets and electronic wire pass-throughs under pockets, in fronts, behind collar, and on side panels above radio. Color – Dark Navy.

Five (5) military style creases stitched in fronts and back. Banded dress collar. Mitered pleated pockets with scalloped flaps, pencil opening in left pocket, hook and loop closure. Two (2) Napoleon style pocket openings beneath the upper pleated pockets with 4 way stretch mesh inner pockets to hold sunglasses and other articles.

Yoke lined with polyester taffeta or satin. Center positioned mic tab. Full zipper closure in front with working top and bottom buttons. Epaulets tacked at corners of points for security. On demand Scotchlite reflective on top edge of front pockets and secured under rear collar. On demand Scotchlite reflective stripes under sleeve hems. Badge eyelets with internal support strap. Extra long shirt tails.

CUSTOMIZATION

Each shirt shall have the Houston Police Department shoulder emblem sewn to each sleeve. The top of the emblem will touch the yoke seam. **Emblem cost should be included in the cost of the shirt.** Name tab. Buttons on fronts, epaulets and pocket flaps.

STANDARD SIZE RANGE

Men	XS (30-31)	Large (32-33)	XL (34-35)	3XL (36-37)	Sleeve Lengths
Women	28-54				Regular Length

MEASUREMENTS

Men's Size: Large, Regular

- a. Neck 17.75 (plus or minus 0.5 inches)
- b. 1/2 Chest: 25.75 (plus or minus 0.75 inches)
- c. Back Length: 32.5 (plus or minus 0.5 inches)

Women's: size 36, regular

- a. Neck 15.75 (plus or minus 0.5 inches)
- b. 1/2 Chest: 20.5 (plus or minus 0.75 inches)
- c. Back Length: 28.5 (plus or minus 0.5 inches)

Shoulder Emblem



# **BLAUER ZIPPER STYLE SHORT SLEEVE SUPERSHIRT™ FOR CLASSIFIED MALE AND FEMALE (STYLE 8461HPD) (MATERIAL #10014093)**

## COLOR

Dark Navy (Style 8446)

## GENERAL REQUIREMENTS

Failure to complete the compliance questions following each section below will result in automatic rejection of such bids as non-responsive.

All garment details not specifically described herein, tailoring, styling, construction, materials, and components must match the standard reference sample.

Pre-bid samples required at the time of the bid opening.

Samples may be subjected to laboratory testing at the discretion of the contracting officer. Bidders are responsible for all testing costs of their sample garments.

Bidders must enclose evidence (dated manufacturers catalogs or similar) that this item is currently a commercial in-stock style. The successful bidder will provide a full size run of try-on garments within 10 days for agency approval.

Garments will have a warranty covering (at minimum) defects in materials and workmanship for one (1) year. Garments must be manufactured to ISO 9001 quality assurance standard. (AG0306)

## SHELL FABRIC

6.00 Oz / Square yard 75/25 poly/wool, single-ply warp and filling. Machine washable and dry cleanable wool blend provides user comfort, uniform appearance, durability, and easy care.

Breathable, 4 way stretch, 6 Oz. Nylon with Lycra mesh technical knit with high abrasion and pill resistance.

## TRIM

Lining: 100% Polyester Satin or 100% Polyester Taffeta. Interlining: Small Parts: 100% polyester, Front Placket: 50% Polyester 50% Cotton. Hook and loop: Woven Nylon base. Buttons: melamine, 20 ligne, matching shell fabric.

## DESIGN AND CONSTRUCTION

Short sleeve uniform shirt with shaped stretch side panels continuing under arms for improved fit, Axon integration system, and hidden reflective pull downs. Axon pockets and electronic wire pass-throughs under pockets, in fronts, behind collar, and on side panels above radio. Five (5 ) military style creases stitched in fronts and back. Convertible dress collar. Mitered pleated pockets with scalloped flaps, pencil opening in left pocket, hook and loop closure. Two (2) Napoleon style pocket openings beneath the upper pleated pockets with 4 way stretch mesh inner pockets to hold sunglasses and other articles. Yoke lined with polyester taffeta or satin. Center positioned mic tab. Full zipper closure in front with working top and bottom buttons. Epaulets tacked at corners of points for security. On demand Scotchlite reflective on top

edge of front pockets and secured under rear collar. On demand Scotchlite reflective stripes under sleeve hems. Badge eyelets with internal support strap. Extra long shirt tails.

### CUSTOMIZATION

Each shirt shall have the Houston Police Department shoulder emblem sewn to each sleeve. The top of the emblem will touch the yoke seam. Emblem cost should be included in the cost of the shirt. Name tab. Buttons on fronts, epaulets and pocket flaps.

### STANDARD SIZE RANGE

Men	XS-3XL	Regular and Tall Lengths
Women	28-54	Regular Length

### MEASUREMENTS

Men's Size: Large, regular

Neck 17.75 (plus or minus 0.5 inches)  
1/2 Chest: 25.375 (plus or minus 0.75 inches)  
Back Length: 32.5 (plus or minus 0.5 inches)

Women's Size: Large, regular

Neck 16.25 (plus or minus 0.5 inches)  
1/2 Chest: 20.5 (plus or minus 0.75 inches)  
Back Length: 28.5 (plus or minus 0.5 inches)

