

SHIRTS - MPD UNIFORM

THIS SPECIFICATION AND ANY ACCOMPANYING SPECIFICATION OR BID CAN BE APPEALED.

YOUR APPEAL MUST BE SUBMITTED IN WRITING TO THE CITY PURCHASING DIRECTOR FOR ALL BIDS NO LATER THAN (5) FIVE WORKING DAYS PRIOR TO BID OPENING.

YOUR APPEAL MUST NOT ONLY IDENTIFY THE PROVISION, TERM OR CONDITION THAT IS CAUSING PROBLEMS, BUT ALSO YOUR PROPOSED ALTERNATE POSITION, TERM OR CONDITION AND BE SUPPORTED BY TECHNICAL DATA, TEST RESULTS AND OTHER INFORMATION.

CONTACT THE APPROPRIATE PURCHASING AGENT OR THE PROCUREMENT SPECIALIST FOR APPEAL FILING INSTRUCTIONS.

APPEALS RECEIVED LATER THAN (5) WORKING DAYS PRIOR TO THE BID OPENING OR WITHOUT SUFFICIENT DETAILS **WILL NOT BE CONSIDERED.**

NOTICE

EFFECTIVE AUGUST 8, 2001

AN APPEAL FEE OF 1% OF THE ESTIMATED DOLLAR AMOUNT OF THIS CONTRACT IS REQUIRED WITH A BID SPECIFICATION APPEAL. THIS FEE IS A PREREQUISITE FOR PURSUING THE APPEAL AND MUST ACCOMPANY THE APPEAL. THE APPEAL FEE WILL BE RETURNED IF THE APPEAL IS UPHELD.

CAUTION: A BID THAT DOES NOT FULLY COMPLY WITH ALL OF THE PROVISIONS, TERMS, AND CONDITIONS OF THIS OR ANY ACCOMPANYING SPECIFICATION AND BID, MAY BE DETERMINED AS A COUNTEROFFER AND MAY RESULT IN THE BID BEING REJECTED FOR NON-RESPONSIVENESS

- I. **GENERAL:** It is the intent of this specification to describe the minimum requirements for Uniform Shirts to be purchased by the City of Milwaukee for the Police Department.

All items, details of construction, services or features not specifically mentioned which are regularly furnished in order to provide Uniform Shirts shall be furnished at the bid price and shall conform in strength, quality and workmanship to that usually provided by the practice indicated in this specification.

- II. **DETAILED REQUIREMENTS:**

LONG AND SHORT SLEEVE SHIRTS/MALE & FEMALE
(OFFICER AND SERGEANT – DARK NAVY):

1. **STYLE:** The Shirt shall be standard military style with shirttails and permanent front and back creases.

2. **TAILORING:** This garment shall be constructed according to the principles set forth in the specifications. All stitches shall be of the proper tension and size so as to avoid puckering after the shirt has been laundered and to give best durable press performance.

All sewing shall be with polyester core thread to match the shirt fabric.

The collar shall be single stitched 1/4" from edge. The pockets, flaps and epaulets shall be edge stitched. The shirt sleeve bottom shall be finished with a 1" clean finished.

3. **FABRIC:** The primary shirt fabric shall be Spiewak **MicroWeatherpel™** twill designed for moisture and soil resistance, quick drying, breathability, excellent color retention and easy care. The fiber content shall be 100% texturized, specially treated polyester with permanent NANO technology by Burlington-Raeford. The weight shall be 4.8 oz/sq.yd. (8-8.5 oz/ per linear yard). The construction shall be 114 X 99 with 150 denier polyester yarns X 150 denier polyester yarns. The fabric shall be a twill weave with built in 4% - 6% mechanical stretch. The fabric shall provide UV Protection of UPF 40+ (Navy color).

The back shoulder yoke fabric shall be Spiewak **MicroWeatherdry™** twill designed for moisture absorption soil resistance, quick drying, breathability, excellent color retention and easy care. The fiber content shall be 100% texturized specially treated polyester with permanent NANO technology by Burlington-Raeford. The weight shall be 5 oz/sq.yd. (8-8.5 oz/ per linear yard). The construction shall be 114 X 97 with 150 denier polyester yarns X 150 denier polyester yarns. The fabric shall be a twill weave with built in 4% mechanical stretch.

4. **COLOR:** All field uniform shirts will be dark navy. Shirts must commercially match the color of the uniform trousers.

5. **COLLAR:**

A. **SHORT SLEEVE SHIRTS:** On short sleeve shirts, the collar points shall be medium spread approximately 3" in length. The outside edge of the collar shall be stitched with a 1/4" edge stitch. The Collar width at the back of the neck shall be 1 3/4" with a 2" collar band extension. The back of the stand shall measure 1-1/2". The inside collar stand shall be made of MicroWeatherDry™ fabric for comfort. There shall be collar stay tabs sewn along the length of each collar to hold the collar shape and still allow the attachment of collar brass. The collar shall be designed to wear with the collar points spread.

- B. **LONG SLEEVE SHIRTS:** On long sleeve shirts there shall be hidden triangle collar stay tabs sewn underneath each collar point approximately 1" wide (at the attachment point) and 7/8" long. These tabs shall attach to hidden durable ligne 14 buttons which to keep the collar secure.

6. SLEEVES:

- A. **SHORT SLEEVE SHIRTS:** On short sleeve shirts the sleeves shall be one piece sewn into the shoulder, and finished with a 1" clean turn-up with no loose threads. The sleeves and side closing seams shall be attached to the body of the shirt with a merrow and a safety stitch for reinforcement.
- B. **LONG SLEEVE SHIRTS:** On long sleeve shirts the sleeves shall be one piece sewn into the shoulder, tapering into the finished cuffs with pressed double pleats. The cuffs shall be attached to the sleeve with a 3/8" double needle stitch and shall be 2-5/8" in width; fastening with two durable ligne 20 4 hole 100% polyester buttons. The cuffs shall be made of two pieces of base shirt material with an interlining. There shall be a shirt cuff opening with a facing of shirt material 7" X 1" tapering to a point with a closure stitch across the facing 1 1/2" from the point. There shall be a buttonhole approximately 4" from the point to attach a ligne 16 durable 100% polyester button. The button shall be attached to the inside facing which shall be bound with 5/8" bias cut shirt material for reinforcement.

The sleeves and side closing seams shall be attached to the body of the shirt with a merrow and a safety stitch for reinforcement.

7. EPAULETS: The epaulets shall be sewn onto the shoulder seam and shall extend to within 1/2" of the collar seam. The epaulet shall button at point 1" from the collar seam. The Epaulet shall be 2 1/8" wide at the shoulder seam and taper to 1 5/8", then to a point. The overall length of the epaulet shall be approximately 8". The epaulet shall be double thickness with a single edge stitch on the perimeter. . The epaulets shall be box stitched to shoulders with row of cross-stitching 2 1/2" from sleeve head seam. There shall be a hidden button 1 3/8' from the epaulet attachment button on each side under each epaulet to attach a unique microphone sling (patent applied for) to insure that the radio microphone is in the proper place to be deployed.

8. FRONT: The front shall have a center facing 1-1/2" wide placket extending from the collar stand to the bottom of shirt. The placket shall have an interlining for stability and a neat appearance and shall be 1/4" top stitched on each side.

The center front shall contain six (6) vertical buttonholes placed 3/4" from edge and 3-1/2" apart. There shall be a button at the neck corresponding with the top buttonhole, which shall be set horizontally.

There shall be an inside facing of self-material on the button side 3 1/4" wide extending from the collar stand to bottom of shirt. The buttons shall be securely attached shall correspond to the buttonholes on the center facing. There shall be a spare line 20 button

sewn into the inside button facing.

There shall be 4 bands of silicone 3 1/8" X 9/16" sewn into the bottom of the shirt 2" from the bottom and 1/4" on the inside of the outer creases designed to work with the corresponding SPDU pant waistband for maximum shirt retention (**SRS™ shirt retention system- patent applied for**)

9. NAMEPLATE PATCH:

Name strip with metal eyelets 1/2" wide x 3" cut length. Round metal eyelets centered on name strip and spaced 1 1/4" apart center to center. Stitch count for eyelets is 35. Finished name strip measurements after attaching to garment 1/2" wide x 2 1/4" long. Fabric and color to be similar to garment. To be placed 1/2" above the top edge of the pocket flap on the right breast and centered.

10. BACK: The garment shall have a straight yoke back located approximately 4 1/4" below the collar seam. There shall be an inside yoke composed of a MicroWeatherDry™ for maximum absorption.

11. POCKETS:

A. MALE SHIRTS: Male shirts shall have two Military-styled box pleated, breast patch pockets with 3-point button down flaps. The breast pocket shall be 5 5/8" wide X 6 3/8" long. The center pleat shall be 1 1/2" wide. The bottom corners of the pocket shall be cut on a 40 degree angle and shall be 1 1/4" long. The pocket flaps shall be slightly tapered and shall be 6" wide at the top and 6 1/4" wide at the outside points on the bottom of the flap.

The flaps shall be attached to the shirt body 1/4" above the top of the pocket, resulting in a complete pocket measurement of 6 3/8" long. The pocket shall be edge stitched around the perimeter and shall finish with a 3/8" turn down. The pocket corners shall be reinforced with a triangle stitch in each corner. There shall be a pencil opening on both the left and right flap. The two outside points of each pocket flap shall have concealed Velcro closures. The left breast pocket shall have a sewn pencil compartment approximately 1-5/8" wide. Each flap shall have a ligne 20 button sewn to a false buttonhole on the surface of the flap.

B. FEMALE SHIRTS: Female shirts shall have two Military-styled box pleated, breast patch pockets with 3-point button down flaps. The breast pocket shall be 5 1/4" wide X 5 3/8" long. The center pleat shall be 1 1/8" wide. The bottom corners of the pocket shall be cut on a 40 degree angle and shall be 1 1/4" long. The pocket flaps shall be slightly tapered and shall be 5 3/8" wide at the top and 5 1/4" wide at the outside points on the bottom of the flap.

The flaps shall be attached to the shirt body 1/4" above the top of the pocket, resulting in a complete pocket measurement of 6" long. The pocket shall be edge stitched around the perimeter and shall finish with a 3/8" turn down. The pocket

corners shall be reinforced with a triangle stitch in each corner. There shall be a pencil opening on both the left and right flap. The two outside points of each pocket flap shall have concealed Velcro closures. The left breast pocket shall have a sewn pencil compartment approximately 1-5/8" wide. Each flap shall have a ligne 20 button sewn to a false buttonhole on the surface of the flap.

There shall be a #3 YKK invisible zipper 6" long in the right side seam of the shirt to conceal a hidden pocket 6" long X 6 1/2" deep.

12. SHOULDER PATCHES:

There shall be one regulation Milwaukee Police Department shoulder patch (supplied by the department) to be sewn on the left upper sleeve. (See instructions for the attachment of official Department insignia).

13. BADGE TAB: The badge tab is to be reinforced on inside of the shirt by means of a strip of material 1" wide edge stitched and folded so that no raw edges show. The reinforcement strip is to extend from the flap setting stitch to the joining seam at the front of the yoke. There shall be two small (horizontal) buttonholes, 1-1/4" apart sewn through the left front and the reinforcement strip with the bottom buttonhole located 1-1/4" above the top of left flap.

14. CREASING: Pockets and pocket flaps shall be uniform in shape and size. The front and back creases shall incorporate a permanent resin bonded silicone crease produced by the Creaset™ System. The crease shall be properly cured to insure that the crease is permanent so that no amount of home laundering shall remove the crease

BACK: The shirt shall have 3 permanent creases, 1/16" wide on the back panel. One crease shall be located at the center back and shall start at the center of the yoke and continue straight down to the bottom edge of the shirt. Each of the other two creases shall be located at the midway point between the center crease and the shoulder seam on both the left and right sides of the center crease.

FRONT: The shirt shall also have two permanent 1/16" wide military creases produced by the Creaset™ system down each side from the shoulder seam to the bottom of the shirt centered through each front pocket and pocket flap.

15. BUTTON: All buttons shall be 100% Polyester and shall pass ASTM 5171-1191.84 kg mass dropped from a height of 67mm.

16. PRESSING AND PACKING:

Shirts shall be carefully pressed by hand in first class manner and individually packed in polyethylene bags. Shirts shall be shipped in boxes help prevent damage in shipment. Shirts shall be packed two to a box with the sizes marked on the outside of the box at the one end.

CARE INSTRUCTIONS:

Do not have commercially laundered. Machine wash – warm. Wash darks separately. Rinse thoroughly. In order to maintain the Nano-Pel performance, do not dry clean and do not use either liquid or sheet fabric softeners. Use only non-chlorine bleach when needed. Tumble-dry completely – Medium heat – remove promptly. For best performance, use steam iron, low setting.

SHIRT SIZES: Men’s stock sizes on short sleeve shirts shall be S – 5XL
Men’s long sleeve stock sizes shall be 14 ½” to 20” neck and 32” to 37” sleeves.
Women’s stock Chest sizes on all shirts: 30 – 48 (even sizes)

BRAND:	Spiewak Short Sleeve	SPDU 10 (Men)
		SPDU 11 (Women)
	Spiewak Long Sleeve	SPDU 15 (Men)
		SPDU 16 (Women)

**LONG AND SHORT SLEEVE SHIRTS/MALE & FEMALE
(LIEUTENANT AND ABOVE - WHITE):**

SAME AS ABOVE EXCEPT ALL SHIRTS TO BE WHITE IN COLOR.

III. ALTERNATE PRODUCT VENDOR/ MANUFACTURER REQUIREMENTS

Vendors bidding items other than the specified product must provide the following information with their bid package. Failure to provide all information will result in immediate disqualification.

1. Manufacturer must be ISO9001:2000 certified at time of bid opening. A copy of the manufacturer's certification must be submitted with the bid.
2. A list of 5 agencies including contact names, phone numbers, and addresses of agencies larger than 100 officers that are currently wearing the alternate product being bid. These agencies must also have been wearing the alternate product for a minimum of 1 year at time of bid opening.
3. Bidders must provide a current manufacturers catalog of the alternate product being bid showing that at the time of bid opening the product is currently a stock item. Special made or custom programs for industry standard sizes will not be accepted.
4. Bidders must provide at time of bid opening the following samples of alternate products being bid.
 - A. Mens S/S shirt - 1 size Small and 1 size 3XL
 - B. Womens S/S shirt – 1 size 32 and 1 size 46
 - C. Mens L/S shirt - 1 size 14-1/2 x 33 and 1 size 20 x 37
 - D. Womens L/S shirt – 1 size 34 and 1 size 44
 - E. Mens Internal Cargo pocket trouser – 1 size 36
 - F. Womens Internal Cargo pocket trouser – 1 size 16
5. Must provide one professionally produced DVD which details all features, benefits, performance characteristics and care instructions of both the shirts and pants.

If you are bidding the specified product none of the items above are required, as they have already been complied with.

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