Section 1: Catalog Lines

This is a citywide contract, with many uniform requirements. The following is a comprehensive list of identified catalogues that various Departments will obtain their uniforms from. The selected Contractor must be the capable of providing the proposed items, products, and accessories as supplied from all the listed catalogues in this Specification. Purchasing from certain manufacturers requires the Contractor to become an authorized dealer/distributor/reseller. The Contractor must include proof of being an authorized dealer/distributor/reseller [for those noted manufacturers] with bid submission.

All catalogues must be from FY 2014 or more current.

Catalogue

1. Carhartt
2. Dickies
3. Duluth Trading Company
4. Galls
5. Grainger
6. 5.11 Tactical
   (online: [http://www.511tactical.com/](http://www.511tactical.com/))
7. FeatherLite Apparel
   online: [http://featherliteapparel.com/](http://featherliteapparel.com/)
8. VF Imagewear, Inc.
9. Under Armour
10. Cintas
11.
Section 2: Office of Emergency Management & Communications Uniforms

It is the intent of these described specifications to meet the required uniform dress code prescribed to the Office of Emergency Management and Communications.

Uniforms will be provided for all Police and Fire Communications Operations Personnel, Traffic Management Authority personnel and Emergency Management personnel. All uniforms must be furnished in standard sizes and must be tailored to fit in the event of a non-standard size.

A. Contractor Responsibilities
   1. The Contractor must provide Uniforms as described herein from stock inventory or within forty-eight (48) hours of receipt of the Department purchase order. If any back order or special order should occur, the Contractor must deliver the uniform to the Office of Emergency Management and Communications' personnel at no additional cost to the City. Deliveries must be made to the facility where the individual works.
   2. The Contractor must disburse requested Uniform items upon obtaining the following identification from the employee: Authorization from the Office of Emergency Management and Communications, the employee’s City identification badge with one (1) other piece of identification such as driver's license or major credit card.
   3. If there is a return or exchange of a defective Uniform or Accessory, the individual will return the Uniform garment to the Contractor and the Contractor must make the exchange accordingly.

B. Fit/Sizing
   1. All uniform items must be available in standard sizes. Well-fitting garments will be required. Reasonable fitness will be determined by the Executive Director of the Office of Emergency Management and Communications, or authorized representative.
   2. If any Individual requires uniform items exceeding standard sizes, the Uniform must be made or tailored to fit the Individual’s measurements. The unit prices for these articles must not exceed the proposed Contract price.
   3. Contractor is responsible for taking measurements of City personnel for the Uniform items either at the various City locations or at the Contractor’s location, whichever will be the most convenient to the City employee.

C. Packaging
   All Uniform items must be neatly pressed and packaged appropriately upon delivery to the individual.

D. Patches
   The Contractor must be responsible for providing and attaching all patches to the Uniform described herein for each individual as part of the Uniform standard requirement. Application of the patch must be at no additional cost to the City of Chicago.

E. Colors
   The Contractor must contact the Office of Emergency Management and Communications and supply them with samples of colors for embroidery for patches and samples of color of materials before proceeding with orders. The OEMC will work with the Contractor to identify the size and color scheme it requires for the specified article of clothing.
A. Male/Female Communications Operators

1. Police and Fire Communications Operator I
   1. Short Sleeve Shirt - Light Blue
   2. Trouser - Dark Navy Blue
   3. Sweater without lining - Dark Navy Blue
   4. Belt
   5. Name Plate w/Title Plate
   6. Patches

2. Police Communications Operator II/Fire Communications Operator II
   1. Short sleeve shirt - Dark Navy Blue
   2. Trouser- Dark Navy Blue
   3. Sweater w/out lining - Dark Navy Blue
   4. Belt
   5. Nameplate w/Title Plate
   6. Patches

3. Supervisors & Watch Managers
   1. Short sleeve shirt -White
   2. Trouser- Dark Navy Blue
   3. Sweater w/out lining - Dark Navy Blue
   4. Belt
   5. Name Plate w/Title Plate
   6. Patches

7. Required Uniform Items
   a. Shirts, short sleeves – Three (3)
   b. Trousers – Two (2)
   c. Belt – One (1)
   d. Sweater w/o lining – One (1)
   e. Nameplate w/Title Plate – One (1)
   f. Patches – Three (3) – Chicago Flag, Office of Emergency Communication, Breast Patch, and Shoulder Patch affixed to each shirt and sweater

8. Optional Uniform Items
   a. Long Sleeve Shirt - White, Dark Navy Blue, Light Blue #4532 (or equal)*, with patches. Must wear crisscross tie
   b. Skirt - Dark Navy Blue
c. Sweater with lining - Dark Navy Blue

d. Turtleneck/Mock Turtleneck - Black, White, Police Blue, Brown

NOTE: Mfg. J.P. Stevens color code No. #4532 or approved equal

B. Shirt, Short Sleeve, Male & Female

1. Fabric
   1. Prescribed: Klopman Uniform Fabric or equal, textured tropical weave 100% Dacron Polyester, 9 1/2 - 10 oz. per linear yard.
   2. Alternate fabric:
      Alternate fabric must include 65% Dacron Polyester/35% Avril Rayon, finest vat dye. Fabric must be Sanforized and mercerized with permanent press finish and a soil release finish. Various Using Departments will require their Department Badge on the sleeve. The Using Department will coordinate with the Vendor.

2. Design
   The style must be plain front coat-style, collar attached, full length tails, regular or full bodied fit. The shirt must have two (2) outside breast pockets and scalloped flaps having one (1) button each. Shoulder straps must also be placed on the shirt. The back must have a double yoke. The shirts must have one patch for both sleeves with the badge tab on per Using Department requirements.

3. Construction
   Collars must be die cut. Convertible collar must measure approximately 2-7/8" in length at points and top stitched 1/4" from edge. The interlining must be 100% Polyester, 250 Denier. Permanent collar stays of proper length must be sewn inside the collar so that no stitches are made through the bottom leaf.
   1. Male Yoke: Two ply yoke lined on the inside with Polyester satin with a 1/16" top stitch. Yoke must measure approximately 2-3/4" at bottom, center of collar and 2-1/2" at outside edge of yoke with 1-1/6" top stitch.
   2. Female Yoke: Two ply yoke lined on the inside With Polyester satin with a 1/16" top stitch.
   3. Male Front: The left front must have a self-fabric center pleat 1-1/2" wide extending from collar to bottom of shirt. It must have two (2) rows of stitching 7/8" apart. The center pleat must be lined with 100% Polyester. Right front must have an approximate 3" turnback extending from collar to bottom of shirt. The right front must have seven (7) buttons.
   4. Female Front: The right front must have a self-fabric center pleat 1-1/2" wide approximate 2-3/4" turn back extending from collar to bottom of shirt. It must have two (2) rows of stitching 7/8" apart. The left front must have an approximate 2-3/4” turnback which
extends from neckline to one (1) collar button. The right front must button over the left front.

5. **Male Sleeves:** Sleeves must be one piece, with a 7/8" hem and finish 9-1/2" to 9-3/4" long from the shoulder seam. Sleeve setting and closing must be done with an overedged safety stitch.

6. **Female Sleeves:** Sleeves must be one (1) piece with a 7/8" hem and finish approximately 8" from the shoulder seam. Sleeve setting and closing must be done with an overedge and safety stitch.

7. **Pockets:** Two (2) breast pockets finishing 4-1/2" wide and 5" long must have mitered corners. Both pockets must have a 1-3/8" box pleat stitched top and bottom to prevent spreading. Left pocket must have a sewn through pencil opening 1-1/4" wide. Velcro 3/8" wide and 1" long to be placed on each pocket to secure Velcro placed on each flap.

8. **Pocket Flap:** Must be die cut creased and scalloped; finishing 4-3/4" in width, 2-1/2" in length at the center and 2-1/4" at each side. Flaps to be placed 1/4" above the top of each pocket and have one (1) centered buttonhole with button. The left flap must have a pencil opening 1-1/4" in width. Velcro 3/8" wide and 1" long must be placed on edges of each flap to secure Velcro placed on pockets. Flaps must be lined with crease 'n' tack interlining.

9. **Buttons:** Must be 20 ligne, melamine button dyed to match the fabric color.

10. **Shoulder Straps:** Must be sewn into sleevehead seam and measure approximately 1-7/8" tapering to 1-1/2" with end pointed. Straps must be set approximately 1" from collar seam. They must be box stitched to shoulders with a row of cross stitching 2" from sleeve head and diagonally sewn from each end of the seam to the sleeve. Shoulder straps must be die cut, creased and lined with crease 'n' tack.

11. **Sewing:** Collars, shoulder straps and flaps must be single stitched 1/4" from the edge. Sleeve insertion and side closing must be safety stitched. All sewing must be 100% Dacron matching threads.

12. **Nameplate Patch:** Two (2) eyelets, spaced 1-5/8" apart. Must be placed approximately 7/8" above the top edge of the pocket flap on the right breast and centered. Reinforcement maternal will not exceed 2-1/4" by 1/2". The thread for the eyelets must be of the same color and be colorfast.

13. **Interlining:** Collars and flaps must be interlined with Stabilized Mello Press interlining, or Dacron taffeta full count 250 denier in collar, and 150 denier in collar band.

14. **Creasing:** Pocket and pocket flaps must be die creased to give uniform shape and size.
15. **Permanent Creases**: Shirt must have five (5) permanent stitched in military creases. One (1) crease in each front extending from the hem to joining seam must be stitched in the shirt only not through pockets and flaps. There must be three (3) vertical creases in the shirt back; the middle crease must be on center line with side creases spaced equally from center crease.

16. **Stamping & Care Instructions**: Neck size must be stamped in collar with style and cut number. A permanent size tab must be sewn with label to the inside yoke. Care label must be attached to the tail of the shirt.

17. **Origins**: Made in the U.S.A.

18. **Size Markings**: Size must be marked with indelible ink on the inside of collar and on the outside of left front tail.

19. **Pressing**: Shirts must be carefully pressed in a first-class manner.

20. **Manufacturer’s Specification Guarantee**: No manufacturer may suggest that their product is an approved prescribed City of Chicago uniform item without prior inspection of a completed sample garment and written authorization by the Executive Director of the Office of Emergency Communications.

21. **Department Approved Manufacturer’s Labels**: Each manufacturer will position their respective label on the yoke (inside) of the garment. A label indicating that the garment is a City of Chicago approved item will be sewn on the underside left pocket flap. The label stitching will not be visible on the flap front.

22. **Patches**: A City of Chicago Flag shoulder patch must be sewn centered on the right sleeve ¾” below the shoulder seam (Illustration 1).

23. **OEMC Patches, Illustrations 2A through 2H**: Various OEMC shoulder patches will be sewn centered on the left sleeve, ¾” below the shoulder seam. Various breast patches must be sewn centered over the left pocket ¼” above the pocket flap seam. The OEMC patches include:

- Illustration 2A: 911 Operations
- Illustration 2B: 311 Operations
- Illustration 2C: Traffic Management Authority
- Illustration 2D: Internal Secure Communications Network
- Illustration 2E: Emergency6 Management
- Illustration 2F: OEMC full coloring
4. Sizes
   1. Male (Standard measurement range): S (14 – 14 1/2"), M (15 – 15 1/2"), L (16 – 16 1/2"), XL (17 – 17 1/2"), XXL (18 -181/2"), XXXL (19 -191/2")
   2. Female (Standard size measurement): Chest size 30" – 48".

5. Colors
   White – Supervisor/Watch Manager, Dark Navy Blue – Communications Operator II, and Light Blue – Communications Operator I.

C. Shirt, Long Sleeve, Male & Female
   1. Fabric
      Prescribed: Klopman Uniform Fabric or equal, 100% Dacron Polyester textured tropical weave, 9-1/2 - 10 oz. per linear yard.
      Optional: 65% Dacron Polyester/35% Avril Rayon, finest vat dye. Fabric must be sanforized and mercerized with permanent press finish and a soil release finish.

   2. Design
      The style must be plain front coat style, collar attached, full length tails, regular or full bodied fit, long sleeves will have barrel cuffs. The shirt must have two (2) outside breast pockets and scalloped flaps having one (1) button each. Shoulder straps will also be placed on the shirt. The back is to have a double yoke.

   3. Construction
      Collars must be die cut, the back of the stand must be measure 1-1/2". The points are to be approximately 2-7/8" in length and top stitched 1/4" from the edge. The interlining must be 100% Polyester, 250 Denier. The inside collar band body fabric must be Polyester satin lined with crease-n-tack interlining. Permanent collar stays of proper length must be sewn inside the collar so that no stitches are made through the bottom leaf. The stand must fasten with one (1) button.
      2. Female Yoke: Two-ply yoke lined on the inside with Polyester satin with a 1/16" topstitch.
      3. Male Front: The left front must have a self-fabric center pleat 1-1/2" wide extending from neckline to bottom of shirt. It must have two (2) rows of stitching 7/8" apart. The center pleat must be lined with 100% Polyester. A self-lined button stand 7/8" wide must be placed on the right side and extend from collar band to bottom of shirt. There must be six (6) front buttons and one (1) collar button.
4. **Female Front**: The right front to have a self-fabric center pleat 1-1/2" wide extending from neckline to bottom of shirt. It must have two (2) rows of stitching 7/8" apart. The center pleat is to be lined with 100% Polyester. The right front must have six (6) button holes 3/4" from edge, 3-1/2" apart, buttons to be strongly attached through two (2) thicknesses of material forming left front. They must correspond to each button hole. There must be five (5) front buttons and one (1) collar button.

5. **Sleeves**: Each sleeve must have two (2) plackets 1-1/4" wide both top and bottom, with one (1) button placed on the placket approximately 2-1/2" above the top of the cuff. Sleeve setting and closing must be done with an overedge and safety stitched cuffs are to be approximately 2-7/8" wide, 1/4" top stitching on edge and closed with two (2) buttons. Cuffs must be lined with woven unbleached 100% cotton interlining.

6. **Male Pockets**: Two (2) breast pockets finishing 5-3/8" wide and 5-3/4" long to have mitered corners. Both pockets to have a 1-1/2" box pleat stretched top and bottom to prevent spreading. Left pocket to have a sewn through pencil opening 1-3/8" wide. Velcro 3/8" wide and 1" long to be placed on each pocket to secure Velcro placed on each flap.

7. **Female Pockets**: Two (2) breast pockets finishing 4-1/2" wide and 5" long to have mitered corners. Both pockets to have a 1-3/8" box pleat stitched top and bottom to prevent spreading. Left pocket to have a sewn through pencil opening 1-1/4" wide. Velcro 3/8" wide and 1" long must be placed on each pocket to secure Velcro placed on each flap.

8. **Male Pocket Flap**: Must be die cut creased and scalloped; finishing 5-1/2" in width, 2-3/4" in length at the center and 2-1/2" at each side. Flaps to be placed 1/4" above the top of each pocket and have one (1) centered buttonhole with button. The left flap to have a pencil opening 1-3/8" in width. Velcro 3/8" wide and 1" long to be placed on edges of each flap to secure Velcro placed on pockets. Flaps must be lined with crease-n-tack interlining.

9. **Female Pocket Flap**: Must be die cut creased and scalloped; finishing 4-3/4" in width, 2-1/2" in length at the center and 2-1/4" at each side. Flaps must be placed 1/4" above the top of each pocket and have one (1) centered buttonhole with button. The left flap must have a pencil opening 1-1/4" in width. Velcro 3/8" wide and 1" long to be placed on edges of each flap to secure Velcro placed on pockets. Flaps to be lined with crease-n-tack interlining.

10. **Buttons**: Must be 20 ligne, melamie button dyed to match the fabric color.

11. **Male Shoulder Straps**: Must be sewn into sleevehead seam and measure approximately 1-7/8" tapering to 1-1/2" with end pointed.
Straps to be set 1" from collar and fastened with one (1) button. They must be box stitched to shoulders with a row of cross stitching 2- 1/2" from sleeve head and diagonally sewn from each end of the seam to the sleeve. Shoulder straps must be die cut and die creased.

12. **Female Shoulder Straps**: To be sewn into sleevehead seam and measure approximately 2-1/4" tapering to 1-7/16" with end pointed. Straps must be set 1" from collar seam. They must be box stitched to shoulders with a row of cross-stitching 2-1/2" from sleeve head and diagonally sewn from each end of the seam to the sleeve. Shoulder straps must be die cut and die creased and lined with crease-n-tack.

13. **Sewing**: Collars, shoulder straps and flaps must be single stitched 1/4" from the edge. Sleeve insertion and side closing to be safety stitched. All sewing must be 100% Dacron matching threads.

14. **Nameplate Patch**: Two (2) eyelets, spaced 1-5/8" apart. Must be placed approximately 7/8" above the top edge of the pocket flap on the right breast and centered. Reinforcement material will not exceed 2-1/4" x 1/2". The thread for the eyelets must be of the same color and be colorfast.

15. **Interlining**: Collars and flaps must be interlined with Stabilized Mellow Press interlining, or Dacron taffeta full count 250 denier in collar, and 150 denier in collar band.

16. **Creasing**: Pocket and pocket flaps must be dye creased to give uniform shape and size.

17. **Permanent Creases**: Shirt must have five (5) permanent stitched in military creases. One (1) crease in each front extending from the hem to jointing seam will be stitched in the shirt only not through pockets and flaps. There must be three (3) vertical creases in the shirt back; the middle crease must be on center line with side creases spaced equally from center crease.

18. **Stamping and Care Instructions**: Neck size must be stamped in collar with style and cut number. A permanent size tab must be sewn in with label to the inside yoke. Care label must be attached to the tail of the shirt.

19. **Pressing**: Shirts must be carefully pressed in a first-class manner.

20. **Origins**: Made in the U.S.A.

21. **Manufacturer’s Specification Guarantee**: No manufacturer may suggest that their product is an approved City of Chicago uniform item without prior inspection of a completed sample garment and written authorization by the Executive Director of the Office of Emergency Management & Communications.
22. **Department Approved Manufacturer’s Labels:** Each manufacturer must position their respective label on the yoke (inside) of the garment. A label indicating that the garment is a City of Chicago approved item must be sewn on the underside left pocket flap. The label stitching must not be visible on the flap front.

23. **Patches:** An Emergency Communications 911 or 311 breast patch must be sewn centered over the left, pocket 1/4" above the pocket flap seam (**Illustration 2A or 2B**). A City of Chicago 911 shoulder patch must be sewn centered on the left sleeve 3/4" below the shoulder seam A City of Chicago Flag shoulder patch must be sewn centered on the right sleeve 3/4" below the shoulder seam (**Illustration 1**).

4. **Sizes**
   1. Male: Neck size and sleeve length measurements are used to determine sizing.
   2. Female: Chart size 30” – 48” for body measurement and sleeve length are medium or long.

5. **Colors**
   White - Supervisor/Watch Manager, Dark Navy Blue- Communications Operator II, Light Blue- Communications Operator I.

D. **Trousers, 75% Dacron Polyester/25% Wool, Men’s & Women’s**
   1. **Fabric**

   2. **Design**
      1. **Male:** The trouser must be made using a uniform pattern. They must be plain front with two (2) straight, on-seam, side or two (2) quarter top pockets, one (1) watch pocket, two (2) back pockets and 1" wide belt loops.
      2. **Female:** The trouser must be made using a ladies' uniform pattern, having a plain front with two (2) quarter top front pockets, two (2) back pockets and•1" belt loops and an elastic back.

   3. **Construction**
      1. **Pockets:** The front pockets on male trousers must have a minimum opening of 6-1/2" x 6" deep from the bottom of the opening. Female trousers must have a minimum opening of 6" and be 5-1/2" deep from the bottom of the opening. They must be stitched, turned, and restitched. The back pockets must have a minimum opening of 5-1/2" x 6" deep. They must be made with a "Reeses" PW Automatic machine (or equal) and must be finished on the outside with an exposed top and bottom cord. The left back pocket must have a button tab. The watch pocket must have a minimum
opening of approximately 3" to the front of the right side seam at
the waistband. The watch pocket and each front pocket must have a
straight bartack. Each back pocket must be bartacked by a bartack
machine.

2. **Pocketing**: All pocketing must be black 75% Polyester/25% Cotton
with a minimum thread count of 90 x 50, the weight must be 3.0 on
female trousers. The male trouser must be black 75%
Polyester/25% Cotton with a minimum thread count of 90 x 56, the
weight must be 3.0. All pocketing must harmonize with the outer
fabric.

3. **Waistband**: continuous closed waistband must be 2" wide and must
close with a crush-proof hook and eye. The waistband curtain must
be 65% Polyester/35% Cotton, black twill, with permanent press
finish, and must be attached with a rocap machine. "Banrol"
waistband stiffener 3/4" in width must be sewn into the waistband
on the front of the trouser from side seam to side seam. The
waistband curtain must have "snugtex".

In addition to the above specification, female trousers must include a special
elastic back using the closed covered method. The relaxed finished waist
measurement must be 1-1/2" smaller than the ticket size. The waistband must
be set on and stitched below the lower edge through the outer fabric and
waistband curtain.

4. **Belt Loops**: Male trousers must have a minimum of five (5) lined
belt loops on waist sizes 28, 29, 30, and a minimum of seven (7) on
all sizes over 30. Female belt loops must have a minimum of five
(5) lined belt loops on waist sizes up to size twelve (12) and a
minimum of seven (7) on all sizes over fourteen (14). Each loop is to
be lined and 1" wide with stitching on the face side 1/8" from each
edge. Except for the back loop which must be tacked on, all loops
must be sewn into the bottom of the waistband and into the rocap.
They must accommodate a 2" belt.

5. **Zipper**: The trouser must be closed with a molded nylon memory
lock zipper and have a brass bottom stop at the base of the zipper
chain. A straight bartack must be sewn through from the outside of
the garment to the inside at the bottom of the fly. It must be sewn
through the zipper tape, the right and left fly and the right fly lining.
The right and left fly must be joined by an additional bartack located
below the bottom zipper stop on the inside of the trouser.

6. **Creasing**: The front and rear crease in the trouser legs must
incorporate a permanent modified silicone crease by the "Lintrak
System" or equal.

7. **Seaming**: The entire trouser is to be seamed with polyester core
and the seat seam must be stitched a tandem needle seat seaming
machine. Thread color must match the fabric.
8. **Inside Trim**: The right fly lining and crotch lining must be of the same fabric and color as the waist curtain. The right fly lining must be sewn to the left fly below the zipper. The inside left and right fly must be fused with an interlining for stability. The crotch lining must be serged to each front. A separate French fly made of the outer fabric must be sewn to the inside right fly.

9. **Size Tag**: The trouser must have a sewn in label giving care instructions and an outside waistband label which must be marked with lot number, size, fiber content and WPL number. A permanent size label must be sewn inside on the hip pocket.

10. **Special Instructions to Cutter**: The finished width of the straight leg (bottom) trouser will be proportionate with the size of the trousers but must not be less than 16" wide.

11. **Finishing and Pressing**: The trousers must be made in a first-class manner with all loose threads removed. The hem of the trousers must be finished in accordance to the measured height of the individual. They must be completely and properly pressed. Pressing instructions must be in accordance with mill recommendations to ensure a longer lasting crease and proper wrinkle resistance.

12. **Manufacturer’s Specification Guarantee**: No manufacturer may suggest that their product is an approved prescribed Office of Emergency Management and Communications uniform item without prior inspection of a completed sample garment and written authorization by the Executive Director of the Office of Emergency Management and Communications.

13. **Department Approved and Manufacturer’s Labels**: Each manufacturer must position their respective label to the inside of the garment. The label will indicate that the garment is a Department approved item.

4. **Sizes**

5. **Colors**
   Dark Navy Blue.

E. **Trousers, 65% Polyester/35% Cotton Twill**
   1. **Fabric**
      65% Polyester/35% Cotton Twill, 7 8 oz. per square yard, post cured finish.
   2. **Design**
      Trouser must be manufactured from a men's uniform trouser pattern. The trouser must incorporate a plain front, two (2) quarter top front pockets and two (2) hip pockets. Trouser must be straight leg style.
3. **Construction**

1. **Pocketing**: The pocketing must be 70% Polyester/30% Cotton, 2.9 oz. per square yard (60" width) with a minimum 78 x 64 count. Pocketing must have a durable press finish and the color of the pocketing must be black. The front pockets must be double tipped.

2. **Pocket Design**: The two (2) front pockets must be quarter top style with a minimum opening of 6" and a minimum depth of 5 ¾ " measured from the bottom of the pocket opening. Pockets must be constructed using the stitch, turn, and topstitch method. Pocket facings must be made of the basic fabric and must measure a minimum of 3" in width. The two (2) hip pockets must have a minimum opening of 5 ½" and a minimum depth of 5 ½ " measured from the bottom of the pocket opening. Hip pockets must be constructed using the double welt method on a REECE PW Machine or equal and the welts must be finished in such a manner that there is not top stitching (top stitched hip pockets will be cause for rejection). The corners of the hip pocket openings must have firm straight bartacks for reinforcing strength (triangle bartacks are unacceptable). The left hip pocket must have a button and buttonhole.

3. **Waistband**: The waistband must be constructed using the "closed method" and must measure 1-3/4" Wide when finished. The waistband curtain must be made of the same fabric and color as the pocketing material and must be attached to the trouser with a Rocap Machine or equal. The waistband must contain 3/4" wide Ban-Rol prevent roll over and have three (3) strand Snugtex to keep shirts tucked in. The waistband closure must be accomplished with a crush-proof hook and eye. The hook and eye must be reinforced with stays made of non-woven fabric that are anchored by the topstitching for the fly facing and curtain. This topstitching must be to the top of the waistband. The waistband must be topstitched 1/16" below the waistband seam for added strength.

4. **Fly**: Trouser must have a metal memory lock zipper. There must be a buttonhole on the inside right fly. The right fly must be lined with the same fabric as the waistband curtain and pocketing. The fly lining must be sewn to the left fly below the zipper in a neat and durable manner. A button must be located on the left fly corresponding with the buttonhole. There must be a firm straight bartack at the bottom of the fly going through the Zipper tape.

5. **Belt Loops**: There must be a minimum of seven (7) belt loops ¾ " in width of double thickness. Each loop must have a non-woven interlining. All loops must be "dropped" with the bottom of the belt loop tacked to the trouser. The top of all belt loops (except for the center back loop) must be caught into the waistband curtain seam with a Rocap Machine, or equal. The top of the center back loop must be tacked to the waistband.
6. **Stitching, Pressing & Finishing**: Trouser must be stitched with matching thread and all stitching must be 100-11 stitches per inch. Trouser must be neatly pressed on Hothead Presses, or equal and properly shaped. Outseams and Inseams must be pressed open. Trouser must be oven baked after pressing. Trouser must be cleaned and finished to eliminate loose threads.

7. **Labels**: Trouser must have a care label permanently affixed that also indicates the size. A paper ticket showing the size, fabric content, cut number, and Registered Identification Number or Business name, whichever applies, must be on the outside of the waistband. Garment must be made in the U. S. A.

4. **Sizes**
   1. Regular Rise: 28 – 54 (Even Only over 38).

5. **Colors**
   Navy Blue

F. **Skirt, 80% Dacron Polyester/20% Wool**

1. **Fabric**
   Approximately 11-1/2 oz. twill, 80%, Dacron Polyester/20% Wool. Raeford Uniform Fabrics Company, Fabric #3930 or approved equal.

   **Alternate Materials**: 14 oz. (All wool - stock dyed), Style #386-14 Metcalf Bros. or equal

2. **Construction**
   Slightly flared skirts with four (4) kick pleats, two (2) in front and two (2) in back, pleats to be 14" to 16" long. Skirts to have seven (7) gores, the seventh (7th) gore being formed at the center back.

   1. **Seams**: Pipe seams of 120 count rayon, also binding around hem.
   2. **Closure**: Zipper closure to be at the center back seam or side seam.
   3. **Waistband**: Waistband to be 1-1/2" wide and to be cut in one (1) piece. Waistband to fasten by means of one (1) button and buttonhole. Skirt to have ample outlets for alteration.
   4. **Length**: Length of skirt will be just below the knee-cap, with sufficient material to allow for alteration.
   5. **Label**: A care label will be sewn in the inside of the garment by the manufacturer or retail uniform establishment.
   6. **Maker’s Specification Guarantee/Identification Tags**: The fabric/mill label as approved by the Department. They are to be sewn in close proximity to the aforementioned label.

3. **Sizes**
   Women standard sizes: 4 – 24.
4. **Colors**
   Dark Navy Blue #610 or an approved equal.

G. **Sweater, Lined Zipper Front, Commando Style**

1. **Fabric**
   Windproof breathable laminate fabric. It must be designed and attached so as to allow for full freedom of movement when worn over a uniform shirt.

2. **Design**
   **Commando Style**: Must be zipper front style, wool, non-rib throughout, with a straight body and set in sleeves. Extra-long body length with knitted Welt and turnback cuff design for adjusting sleeve length. Durable cloth patches must reinforce shoulders and elbows. Cuffs and waistband to be approximately 4" wide. The front welt to be 1-1/2" wide. The body and sleeve welts must be knit with a non-raveling edge. The sweater must be lined with the Gore Windstopper (XCR) lining or equal. Fabric content to be 70% Acrylic/30% Wool.

3. **Construction**
   1. **Knitting**: The garment must be knitted from plain construction throughout, using .54" of yarn per stitch, except the bottom welt which is to be .46" of yarn per stitch, commencing with a knitted Welt. The body 6" below the armpit, when stretched by hand, is to extend without damage to a width of at least 38" (size medium).

   2. **Seam Construction**: All sweater seams must be stitched using an overlock machine, except for the shoulder and sleeve cuff seams which must also be sewn over with a seam cover using a wool cover thread for neat appearance and comfort. All seams must be straight and neat with thread ends trimmed. Zipper ends must be back locked.

   3. **Tape Reinforcement**: The shoulders and underarms must be reinforced with 5/8" cotton tape, to prevent underarm seam from coming apart under stress. The tape must measure approximately 4" in length under the arm and the entire length of the shoulder seam, and must match (approximately) the color of the sweater.

   4. **Requirements for Lining**: The sweater must be lined completely with a separate Gore Windstopper (XCR) or equal.

   5. **Pressing**: The knit must be washed and steamed before seam construction. The sweater and patches must be pressed for a second time before shipping, insuring a neat, unwrinkled appearance when issued.

   6. **Patches**: The sweater must have re-enforcing patches on each shoulder and sleeve. When the sweater is laid flat, the bottom of each shoulder patch must meet when a straight line is drawn from
patch to patch, insuring a uniform appearance. The patches must match the color of the sweater.

The patches with raw edges turned in, are to be secured by a double needle lock stitch, except for the edge incorporated into the sleeve seam. There must be no puckering, gathering or distortion, where the patches are sewn to the sweater. No glue may be used to fold patches before stitching. The shoulder patch must measure approximately 9" X 5" (size med).

The sleeve patch must be contoured to fit the arm, measuring approximately 10" x 4-1/4" (size medium).

7. **Badge Patch:** There must be a badge patch on the left breast measuring approximately 3" x 4" attached to the sweater using a double needle lock stitch.

8. **Emblems:** Specified emblem(s) must be sewn to one or both sleeves as is required by the Department.

9. **Name Plate Patch:** There must be a name plate patch on the right breast measuring approximately 1-1/2" x 3-3/4" attached to the sweater using a double needle lock stitch.

4. **Measurements**
The length of a size 42 sweater from shoulder seam to the bottom welt must be approximately 27" (± 3/4").

5. **Sizes**
XS (32-34), S (36-38), M (40-42), L (44-46), XL (48-50), XXL (52-54), 3XL (56-58) to fit men and women.

6. **Colors**
Dark Navy Blue.

H. **Sweater, V-Neck, Unlined Zipper Commando Style**

1. **Fabric**
High-Performance 70/30 pill control blend of low pill acrylic fiber and long staple wool. Color matched fabric shoulder and elbow patches.

2. **Design**
Commando Style: The sweater must be a V-neck, full front zipper style, jersey knit with straight body, knitted welt, and set-in sleeves with turn-back cuffs for adjusting sleeve length. The body and sleeve welts must be knelt with a non-raveling edge. Durable cloth patches as specified must reinforce shoulders and elbows. The V-neck must be constructed of a rib knit band doubled over, overlocked stitched to the body.

3. **Construction**

   1. **Knitting:** The garment is to be knitted in a plain jersey stitch throughout using 0.54" of yarn per stitch with an integral 1 x 1 rib knit bottom and cuff using 0.46" of yarn per stitch commencing with a knitted welt. The V-neck band must be 1 x 1 rib knit to match the bottom rib and cuff.
2. **Seams**: All sweater seams must be stitched using an overlock machine with two (2) ends of yarn and one (1) end of the specified thread for strength and a neat appearance. All threads and yarns must match the color of the sweater. All seams must be straight and clean with thread ends trimmed.

3. **Tape Reinforcement**: The shoulders and underarms must be reinforced with the specified tape to prevent these seams from coming apart under stress. The tape must measure approximately 5” in length under the arm and run the entire length of the shoulder seam.

4. **Shoulder and Elbow Patches**: The sweater must have reinforcing patches on each shoulder and sleeve. When the sweater is laid flat, the bottom of each shoulder patch must meet when a straight line is drawn from patch to patch, insuring a uniform appearance. The patches and the thread used to stitch them on must match the color of the sweater. The patches, with raw edges turned in, are to be secured by a double needle lock stitch except for the edge incorporated into the sleeve seam which must be overlocked. There must be no puckering, gathering or distortion where the patches are sewn to the sweater. No glue may be used to fold patches before stitching. The shoulder patch must measure approximately 9-3/4 x 5-1/2” finished (size medium) and must be graded for smaller and larger sizes. The sleeve patch must be contoured to fit the arm, measuring approximately 11” x 5” finished (all sizes).

5. **Badge Patch**: There must be a badge patch on the left breast measuring approximately 3" x 4" attached to the sweater using a double needle lock stitch.

6. **Emblems**: Specified emblems must be sewn to both sleeves as required by the Department.

7. **Name Plate Patch**: There must be a name plate patch on the right breast measuring approximately 1-1/2 x 3-3/4” attached to the sweater using a double needle lock stitch. There must be two (2) black painted size #00 aluminum eyelets set 1-5/8” center to center set horizontally and centered on the patch.

8. **Measurements Size**: The length of a size 42 sweater from shoulder seam to the bottom welt must be approximately 27” (± 3/4”).

4. **Sizes**

   XS (32-34), S (36-38), M (40-42), L (44-46), XL (48-50), XXL (52-54), 3XL (56-58) to fit Men and Women.

5. **Colors**

   Dark Navy Blue.

I. **Sweater, V-Neck, Unlined Pullover Commando Style**

   1. **Fabric**
High-Performance 70/30 pill control blend of low pill acrylic fiber and long-staple wool. Color matched fabric shoulder and elbow patches.

2. Design
The sweater must be a V-neck, pullover style jersey knit with straight body, knitted welt, and set-in sleeves with turn-back cuffs for adjusting sleeve length. The body and sleeve welts must be knit with a non-raveling edge. Durable cloth patches as specified must reinforce shoulders and elbows. The V-neck must be constructed with a rib knit band doubled over, joined at the bottom, overlock stitched to the body and reinforced stitched at the bottom of the V-neck.

3. Construction
   1. **Knitting**: The garment is to be knitted in a plain Jersey stitch throughout using 0.54" of yarn per stitch with an integral 1 x 1 rib knit bottom and cuff using 0.46" of yarn per stitch commencing with a knitted welt. The V-neck band must be 1 x 1 rib knit to match the bottom rib and cuff.
   2. **Yarn**: Type: 70% Monsanto S-63 long staple low-pill acrylic, 30% long staple wool, pre-washed and softened. Count: worsted 201y118.5-. Color: Navy.
   3. **Seam**: All sweater seams must be stitched using an overlock machine with two ends of yarn and one (1) end of the specified thread for strength and a neat appearance. All threads and yarns must match the color of the sweater. All seams must be straight and clean with thread ends trimmed.
   4. **Thread**: Type: 100% Polyester size #50
   5. **Tape Reinforcement**: The shoulders and underarms must be reinforced with the specified tape to prevent these seams from coming apart under stress. The tape must measure approximately 5" in length under the arm and run the entire length of the shoulder seam. 100% Polyester woven tape, ¼" wide. Color: Black.
   6. **Interlining**: Cloth type: 50% polyester, 50% nylon fusible cloth conforming to class 3 of MIL-C-29365, weight 1.7 oz. to 2 2 oz. Per square yard. Warp: less than 1% filling: less than 1%, Color: Grey.
   7. **Shoulder and Elbow Patches**: The sweater must have reinforcing patches on each shoulder and sleeve. When the sweater is laid flat, the bottom of each shoulder patch must meet when a straight line is drawn from patch to patch, insuring a uniform appearance. The patches and the thread used to stitch them on must match the color of the sweater. The patches, with raw edges turned in, are to be secured by a double needle lock stitch except for the edge incorporated into the sleeve seam which must be overlocked.

There must be no puckering, gathering or distortion where the patches are sewn to the sweater. No glue may be used to fold patches before stitching. The shoulder patch must measure approximately 9-3/4” x 5-1/2” finished (size medium) and must be graded for smaller and larger sizes. The sleeve patch must
be contoured to fit the arm, measuring approximately 11” x 5” finished (all sizes).

8. **Badge Patch**: There must be a badge patch on the left breast measuring approximately 3” x 4”, attached to the sweater using a double needle lock stitch.

9. **Emblems**: Specified emblems must be sewn to both sleeves as required by the User Department.

10. **Name Plate Patch**: There must be a name plate patch on the right breast measuring approximately 1-1/2” x 3-3/4” attached to the sweater using a double needle lock stitch. There must be two (2) black painted size #00 aluminum eyelets set 1-5/8” center to center set horizontally and centered on the patch.

11. **Measurements Size**: The length of a size 42 sweater from shoulder seam to the bottom welt must be approximately 27” (±3/4”).

4. **Sizes**
   S (36-38), M (40-42), L (44-46), XL (48-50), XXL (52-54), 3 XL (56-58) to fit Men and Women.

5. **Colors**
   Dark Navy Blue.

J. **Turtleneck & Mock Turtleneck**

1. **Fabric**
   92% Cotton/8% Lycra blend fabric with 4-way stretch performance. 10.5 oz. jersey knit.

2. **Construction**
   Collar and cuffs must use the same fabric as the body for color matching. Collar and cuffs must be reinforced with stretch fusible interlining. Extra-long tail style tucked in. Tape reinforced shoulder seams and OEMC logo. Style: Blauer #8110 or approved equal.

3. **Embroidery**:
   Collar embroidered lettering in white or gold (Department specified).

4. **Sizes**
   S, M, L, XL, 2XL, 3XL, 4XL, 5XL.

5. **Colors**
   Light Blue, Dark Navy Blue, Black, Brown, White, White with Gold Embroidery.

K. **Jacket, Polartec, Full Zip**

1. **Fabric**
   Polartec 200 polyester non-pilling fleece.

2. **Construction**

3. Sizes
S, M, L, XL, 2XL, 3XL.

4. Colors
Lite Blue, Dark Navy Blue, Black, Brown, White

L. Belt, Trouser/Skirt

1. Material
Leather.

2. Construction
Plain, select cut cowhide leather, without design, ornamentation, carving or tooling, 1-1/2" to 2" in width. An integral leather loop 1/2" in width must be sewn to the belt to permit the free end of the belt to be passed through and held in place. All edges must be properly burnished to a smooth finish.

3. Buckles:
Plain, skeletal shaped polished silver metal, not to exceed 2-1/2" x 2-1/2" in width. The buckle will incorporate a single silver metal belt prong. The buckle will be securely attached to the belt by means of either unexposed metal rivets or black thread.

4. Sizes
Belt must fit all sizing according to the Trouser Detailed Specifications for male and female.

5. Color
Black, low to moderate gloss, dyed with a high quality commercial dye.

M. Nameplate

1. Material
Base Metal; Brass, half-hard.

2. Design
Hot nickel plating must be placed over a base metal and heavy gold plating must be placed over the hot nickel finish. A heavy coat of clear flat backing enamel must be placed over the gold plating. All corners and edges must have a 1/64" radius. All edges must be polished smooth and blemish free. The face surface must be grease buffed to a smooth finish and removed of all sharp edges. The entire nameplate must have a satin finish.

3. Construction
Dimensions: The nameplate must have an overall length of approximately 5/8"H x 2 1/2" W with a thickness of approximately .062". Each end must have a 1/8" radius.

4. Name Title Plate
1. Attaching Device: A clutch stud must be attached to the base of the nameplate by the swagging method to ensure hardness of the base
and the strength of the stud. The stud length may vary from a minimum of 5/16" to a maximum of 1/2" with three (3) position grooves. Clutch studs must be centered on the reverse side of the plate 1-5/8" apart.

2. **Lettering**: Individual last names will be "Pantograph" engraved in Gothic block, medium style, .250" in height, .012" deep and .017" to .020" line width. The lettering must be filled with air dry flat black lacquer prior to an application of a clear flat baking enamel which must be applied to the face of the entire plate. The nameplate will be worn in the eyelets which are centered above the right hand shirt pocket.

3. The attached device must have a printed title plate to designate each level of position as follows:
   a. Police Communications Operator I, II
   b. Fire Communications Operator I, II
   c. Supervising Police Communications Operator
   d. Watch Manager
   e. Police Operations Manager
   f. Supervising Fire Communications Operator
   g. Fire Communications Coordinator

N. **Nameplate**
   1. **Material**
      Base Metal; Brass, half-hard.
   2. **Design**
      Hot nickel plating must be placed over a base metal and heavy gold plating must be placed over the hot nickel finish. A heavy coat of clear flat backing enamel must be placed over the gold plating. All corners and edges must have a 1/64" radius. All edges must be polished smooth and blemish free. The face surface must be grease buffed to a smooth finish and removed of all sharp edges. The entire nameplate must have a satin finish.
   3. **Construction**
      Dimensions: The nameplate must have an overall length of approximately 2 ½ inch by 1 inch engraved with horizontal line separating name from title.

**Uniforms for OEMC Traffic Management Authority (TMA)**

I. **Hi Visibility Raincoat**
   The high visibility raincoats must be able to address a wide range of lighting and environmental conditions encountered in the work zone to include twilight, overcast, rain, snow, daylight and nighttime. Uniforms for TMA will have the TMA logo printed on the uniform (see Illustration 2C). The Contractor will work with the OEMC on logo placement with different garments.
   1. **General**
The coat will be a minimum of 48" long with adjustment for various sizes. The garment is constructed with a single ply polyvinyl chloride (PVC) coated polyester.

2. **Construction**
   Detachable hood with drawstring. Two (2) slash through pockets. Snap front closure with interlocking storm flap. Underarm vents. Vented back. Take up snaps on the sleeves. 2" Silver reflective film around the cuffs, sweep, down the front and across the back.
   
   a. **Seams:** All seams are electronically welded together making the garment 100% waterproof. There will be no raw edges on any hem of the garment.
   
   b. **Fabric Specifications:** Fabric weight (Total): 5.8 oz. /yd.2
      - i. Coating: Polyvinyl chloride (PVC)
      - ii. Base Fabric: Polyester
      - iii. Thickness: 15 mils - 35mm

3. **Style**
   Neese #NV1870C or equal.

4. **Sizes**
   S – 6XL.

5. **Color**
   High-visibility Lime Green.

II. **Rain Cap**

   1. **Fabric**
      200-Denier Nylon.

   2. **Design**

   3. **Sizes**
      One size fits all.

   4. **Style**
      Neese #107 or approved equal.

   5. **Colors**
      Black - Reverses to orange and hi visibility green.

III. **Headwear, Faux Fur Cap**

   1. **Construction**
      Trooper style with a crown of Vinyl and matching SYNTHETIC earflaps and visor covering. Strap to have snaps for adjustment. Material must NOT contain fur. Proof of non-fur material must be provided upon request of the City.
2. **Colors**
   Navy Blue, Black, Brown

3. **Sizes**
   All caps must be made in the following sizes: S, M, L, and XL.
   All caps must bear a size label and workmanship must be first class in all respects.

IV. **Hi-Visibility Safety Vest**

1. **Fabric**
   100% Polyester, 4.75 oz. breathable. Contrasting Lycra piped neckline, armholes, placket and bottom.

2. **Design**

3. **Sizes**
   S – 5XL.

4. **Colors**
   Lime/Yellow.

V. **Hi-Visibility, 3-in-1, Safety Jacket**

1. **Fabric**
   9 oz. breathable, 100% Polyester oxford shell with wind proof PU coating. Taffeta lining and elasticized snap-down cuffs.

2. **Design**

3. **Sizes**
   S – 5XL.

4. **Style**
   HV21104 or approved equal.

5. **Silk Screening**
   Double back logo: 5.5" x 15" upper logo and 3" x 16" lower logo.

6. **Embroidery**
   1.5" x 4" left chest logo.

7. **Colors**
   Lime/Yellow.

VI. **Hi-Visibility Acrylic Hat**
1. **Fabric**
   100% Acrylic Knit Shell, Thermal acrylic fibers.

2. **Design**
   Reflective knit stripe.

3. **Embroidery**
   2" x 3" embroidered logo.

4. **Sizes**
   Adjustable sizes.

5. **Colors**
   Lime/Yellow.

**VII. Hi-Visibility Gloves (Winter Gloves)**

1. **Fabric**
   100% Nylon Shell, 100% Polyester Lining; 40 g Thinsulate™ Insulation 65% Olffin/35% Polyester.

2. **Design**
   Hi-Vts Waterproof Taslon Contrasting black palm and fingers Thinsulate™ Lining. Elastic closure.

3. **Sizes**
   S – XXL.

4. **Style**
   Fashion Fingers #HV460-Y or approved equal.

5. **Color**
   Lime.

**VIII. Long Sleeve Polo Shirts**

1. **Fabric**
   8.2 oz., 60%/40% polyester pique knit

2. **Design**

3. **Sizes**
   S, M, L, XL, 2XL, 3XL, 4XL, 5XL.

4. **Style**
   Tri-Mountain #608 or approved equal.

5. **Colors**
   Black, Khaki, Navy Blue.

**IX. Cargo Pants (TMA & Various Divisions)**

1. **Fabric**
   65% Polyester/35% Cotton, 8 oz. twill weave.

2. **Design**

3. Sizes

4. Style
   Horace Small #2344 or approved equal.

5. Colors
   Dark Navy Blue.

X. High Pitch Whistle

1. Material
   Durable black plastic.

2. Design
   Black colored plastic. No ball-like device in sound chamber. Metal ring at opposite end of mouth piece for chain attachment.

3. Style
   Acme-623 or approved equal.

4. Color
   Black.

XI. Flashlight with Wand

1. Design

2. Style
   Bright Star #2498 or approved equal.

3. Colors
   Black/Orange.

b. Uniforms for OEMC Emergency Management Division

i. Duty Jacket

1. Fabric
   Shell: 100% Nylon. Lining: 100% Polyester. Zipout: 100% Polyester. Interlining: 65% Olefin/35% Polyester.

2. Design
   Waterproof, windproof, breathable lining. High performance sleeves. Waterproof breathable three-piece drop-in hood. Front and back rainshed yokes with mesh linings. Removable composite liner of warm nan- pill microfleece and Thinsulate™ quilted to nylon. Storage pockets on both linings. Zippered side vents with inside storm flaps. Two way front fleece lined bellows pockets. Double storm fly flap with full zip to the neck collar. Hidden flaps to accommodate logo, front and back with
reflective lettering. Optional nameplate and badge tab holders. Full zip to collar.

3. **Style**
   Spiewak #3465 or approved equal.

4. **Sizes**

5. **Color**
   Navy Blue.

ii. **Tactical Uniform Pants**
   1. **Fabric**
      100% Cotton, 8.5 ounces.
   2. **Design**
   3. **Sizes**
      Men's Sizes: 28 – 44; Length: 30 - 36 even. Women's Sizes: 2 – 16.
   4. **Style**
      Mfr. 511 #74251/74251L or approved equal.
   5. **Color**
      Khaki.

iii. **Tactical Shorts**
   1. **Fabric**
      100% Cotton, 8.5 ounces.
   2. **Design**
   3. **Sizes**
   4. **Style**
      Mfr. 511 #73285/73285L or approved equal.
   5. **Colors**
      Khaki.

iv. **Panda Fleece Jacket**
   1. **Fabric**
      100% spun Polyester, 10.5 ounce heavyweight.
   2. **Design**
Anti-Pilling Panda Fleece. Two (2) front pockets with zippers. Full Zipper front. Elastic waistband and cuffs.

3. **Sizes**  
S – 6XL.

4. **Style**  
Tri-Mountain #7600 or approved equal.

5. **Embroidery**  
Lettering left chest.

6. **Color**  
Black.

v. **Fleece Vest**

1. **Fabric**  
10.5 oz. heavyweight 100% spun polyester.

2. **Design**  
Anti-Pilling Panda Fleece. Two (2) front pockets with zippers. Full zipper front. Elastic waistband.

3. **Sizes**  
XS – 6XL.

4. **Style**  
Tri-Mountain #8350 or approved equal.

5. **Color**  
Black.

vi. **V-Neck Sweater**

1. **Fabric**  
100% Cotton.

2. **Design**  
Interlock knit body. High V-neck Armholes. Tubular hemmed cuffs and bottom.

3. **Sizes**  
S – 4XL.

4. **Style**  
School Apparel #902 or approved equal.

5. **Colors**  
Black, Khaki, Navy.

vii. **Sweatshirt with Zip Front (Various Divisions)**

1. **Fabric**  
95/5 Cotton, 20 oz., heavy weight.

2. **Design**  
3. **Sizes**
   S – 5XL.

4. **Style**
   Ruben Brothers #10070 or approved equal.

5. **Color**
   Navy Blue.

viii. **Shirt with Zip Front, Micro Fleece (Various Divisions)**
   1. **Fabric**
      100% spun Polyester, 8.4 oz. medium weight.
   2. **Design**
   3. **Sizes**
      S – 4XL.
   4. **Colors**
      Black, Tan, Navy Blue.

ix. **Zip Off Pants, Nylon**
   1. **Fabric**
      Nylon w/Teflon shell. Flex vent mesh knee.
   2. **Design**
   3. **Sizes**
   4. **Style**
      Mocean #2058 or approved equal
   5. **Colors**
      Black, Navy Blue.

x. **Cargo Short, Dickies or Equal**
   1. **Fabric**
      65% Polyester/35% Combed Cotton.
   2. **Design**
   3. **Sizes**
      Sizes 28 and up.
4. Colors
   Dark Navy Blue, Black, Khaki.

c. Uniforms for City Operations Division

i. Jacket, Three Season
   1. Fabric
      12 oz. Polyester Lining.
   2. Design
   3. Sizes
      XS – 5XL.
   4. Style
      Tri-Mountain #501 or approved equal.
   5. Colors
      Navy Blue, Black, Khaki.

ii. Jacket, Heavyweight Nylon
   1. Fabric
      Windproof/water resistant polyurethane-coated. Heavyweight textured nylon shell. Fully lined with nylon and mesh.
   2. Design
   3. Sizes
      S – 6XL.
   4. Style
      Tri-Mountain #2120 or approved equal.
   5. Colors
      Black, Navy Blue.

iii. Windshirt, Microfiber
   1. Fabric
      Microfiber polyester shell; lightweight nylon lining.
   2. Design
   3. Sizes
      S – 6XL.
   4. Style
      Tri-Mountain #2500 or approved equal.
   5. Colors
iv. **Jacket, Micro Fleece (Various Divisions)**

1. **Fabric**
   100% spun Polyester, 12.5 oz. heavyweight.

2. **Design**

3. **Sizes**
   XS – 4XL.

4. **Style**
   Tri-Mountain #7150 or approved equal.

5. **Colors**
   Black, Tan, Navy Blue.

v. **Sweater, Cardigan, Button Front**

1. **Fabric**
   Jersey knit in resistant acrylic yarn.

2. **Design**
   Five (5) buttons. Two (2) large trim pockets. Rib knit cuff. Elastic waist and cuff.

3. **Sizes**
   Unisex: S – 5XL.

4. **Style**
   San Francisco Knitting Mills #6300 or approved equal.

5. **Colors**
   Black, Red, Navy, White, Wine

**d. Uniforms for Internal Secure Communications Network Division**

i. **Safety Vest, Hi-Visibility Mesh**

1. **Fabric**
   Vinyl Mesh.

2. **Design**
   1 ½” vertical reflective stripe front to back. Velcro front closure. Side elastic.

3. **Style**
   SAF VEST2 or approved equal.

4. **Sizes**
   S, M, L, XL.

5. **Colors**
   Fluorescent orange, safety green

ii. **Reflective Tape (Various Divisions)**
1. **Design**
   2" high Intensity reflective tape applied to garment.

2. **Color**
   Varies, Using Department will identify color to be provided.

iii. **Cargo Trousers, OEMC Operations**

   1. **Fabric**
      75% Polyester/ 25% Wool Insert.

   2. **Design**
      Low Profile, no drag cargo pockets.

   3. **Sizes**
      Up to size 42; 42-48.

   4. **Colors**
      Dark Navy Blue, Black, Khaki.
Section 3: Department of Finance Street Operations Division

A. Shoe Cleats: Anti-Slip Winter Traction Aids Performance Requirements:
   
i. Prevent slips and falls on snow and ice
   
ii. Lightweight
   
iii. Fits over the footwear that personnel already own
   
iv. Tungsten carbide spikes, or other durable rust-proof material
   
v. Provides superior traction
   
vi. An over-sole made of natural rubber, or other similar material which remains flexible in the most extreme cold temperatures.
Section 4: Patches, Embroidery, Silk Screening, Name Plate

The Vendor will provide City of Chicago patches, as shown in the attached illustrations. There must be no additional cost to the City of Chicago to have a City of Chicago patch affixed to any Uniform Item listed on the Proposal Pages. The cost to have any patch affixed to Uniform Items must be a part of the price of the patch offered to the City of Chicago by the Contractor. It will be the responsibility of the Contractor to provide the patches and to affix them properly to the Uniform item as requested by the various Using Departments.

e. All patches will be subject to the approval of the various Using Departments prior to them being affixed to the specified garments. Patch, City of Chicago Flag (Illustration 1)

City of Chicago flag patch is used by all Using Departments participating on this Contract. The Using Departments will notify the Contractor of which garments will require the City of Chicago flag patch be attached.

f. Patch, Department of Water Management (Illustrations 3A, 3B, and 3C)

Patches are to be attached to each shirt or coverall as follows:

i. BUREAU OF WATER SUPPLY with Water Tower is to be attached to each shirt or coverall on the left sleeve. It is to be centered in the left sleeve, approximately 1" from the shoulder seam

ii. CHICAGO DEPARTMENT OF WATER MANAGEMENT is to be attached to each shirt or coverall on the right sleeve. It is to be centered in the right sleeve approximately 1" from the shoulder seam, as determined by Department.

The Swiss woven emblems will be two (2) colors, utilizing Pantone matte coated (PMS) 280 BLUE for the background and PMS 109 GOLD for the lettering, Water Tower insignia and trim. Patches must be 3-3/4" overall length, 2-1/2" overall height with 1/8" gold trim and 1/4" R for all corners. Designs for the patches will be furnished to the Contractor by the Department of Water Management.

g. Patch, City of Chicago Department of Aviation – Emergency Communications for Short/Long Sleeve Shirts and Sweaters (Illustration 4A)

i. Design

A City of Chicago Department of Aviation – Emergency Communication shoulder patch must be sewn centered on the left sleeve 3/4" below the shoulder seam. White background with gold trimming. “City of Chicago Dept. of Aviation” and “Emergency Communications” also with gold letters, royal blue left and right emblems, red center emblem. Buildings in black, airplane in gray with black outline. “Chicago Airport System” and small airplane in black.

h. Patch, Aviation Special Police (Illustrations 4B and 4C)

i. All Police shirts must have a Department of Aviation Police, City of Chicago patch attached on left shoulder. Patch has a black background with white trimming. The words "Dept. of Aviation Police" and "City of Chicago" shall
have lettering in yellow. White airplane w/black outline. Center globe has blue water, green continent, and black meridian lines.

ii. The City of Chicago Department of Aviation patch must be attached on the right shoulder. Patch has a white background with light powder blue stripes and royal blue trimming.

iii. “City of Chicago Department of Aviation” in royal blue letters, City seal in center of patch with a globe on left and right side. Globe has light Blue Ocean, green continent and black meridian lines. Stars are red.

i. Patch, Office of Emergency Management and Communications – Fire Communication Operators and Police Communication Officers (Illustrations 2A or 2B)
   i. A “911 Operations” or “311 Operations” breast patch must be sewn centered over the left pocket 1/4” above the pocket flap seam. A “911 Operations” or “311 Operations” shoulder patch must be sewn centered on the left sleeve 3/4” below the shoulder seam. A City of Chicago Flag shoulder patch must be sewn centered on the right sleeve 3/4” below the shoulder seam (Illustration 1).

j. Patch, Chicago Police, Polyester/Cotton (Illustrations 5A and 5B)
   Fabric
   i. Chicago Police Department shoulder patch; 65% Polyester/35% Cotton, permanent press, white. Simpson #202 or an approved equal.
   ii. Viscose rayon (Schiff), 150 denier, 2-ply special twist, continuous filament, prise quality thread (embroidery). All colors must be vat dyed to withstand laundering and dry cleaning. There must be no running, bleeding or fading of color.
   iii. The underside (back) of the shoulder patch must be laminated to ensure stiffness. Laminated polyester/cotton shoulder patches must have at least one (1) layer of Crinoline (01c), or equal. Heat seal laminations are not acceptable. Wool/rayon patches must have one (1) layer of Crinoline (55X), or equal, starch/ sized or laminated. There must be no puckering or bunching of the exposed side of the patch.

Construction
   iv. A rectangle is drafted with the vertical dimension of a 4” by a horizontal dimension of 4-3/8”. This rectangle establishes the vertical and horizontal planes for the octagonal shape. Each set of vertical and horizontal planes, two (2) each, will be 2-3/16” in length. The end points of the vertical and horizontal line segments are to be equally divided and located at right angles upon the X and Y axis of a rectangular coordinate (Cartesian). The diagonal planes of the octagon are then developed by intersecting the end points of each adjacent vertical and horizontal line segment.
v. The City of Chicago Seal will be embroidered on center of the octagonal shape and will measure 2-1/4” in diameter. This dimension will include a 1/16” circular border.

vi. The letters of the words CHICAGO and POLICE must be embroidered bold print and well underplayed. The word CHICAGO must be positioned within the upper portion of the patch and the letter C will be equidistant from the merrowed border and the outer edge of the City of Chicago Seal arc. The remaining letters of the word CHICAGO are to be read from left to right on the arc which is parallel to the City of Chicago Seal circular border. Each letter will be spaced approximately 1/8” apart.

The letters of the word POLICE will be correspondingly positioned in an upright position within the lower portion of the patch, and it will be centered and arced in a similar fashion as the letters of the word CHICAGO. All letters of both words are to be approximately 9/16” in height. The width of the embroidery (letters) will be 1/8”.

A 1/8” rolled merrowed border must be stitched on the outer edge of the octagonal patch. A 3/4” overlap will complete the merrowed border and the loose ends of the stitching will be secured to the back side of the patch.

Design
The shape of Chicago Police Department shoulder patches must be OCTAGONAL (eight sides and eight angles). An embroidered multicolored City of Chicago Seal must be centered within the octagonal shape. The words CHICAGO and POLICE will be respectively embroidered within the upper and lower portions of the patches in an area between the seal arc and the outer merrowed borders.

The shoulder patch background (white) and color scheme of the City of Chicago Seal will be the same for all shoulder patches. However, embroidered letter colors for the words CHICAGO, POLICE and MERROWED BORDERS are as follows:

Exempt Personnel: Dark gold letters and dark gold merrowed borders.
Captain, Lieutenant and Sergeant: Dark Blue letters and dark gold merrowed borders.
Police Officer: Dark Blue letters and dark blue merrowed borders

Embroidery
Embroidery/color details of the City of Chicago Seal are as follows:

Note: The words "URBS IN HORTO" within the red banner are to be replaced with Light gold stitching. Embroidered colors are to be approved by the Chicago Police Department, Research and Development Division, if they do not match the following: Robinson-Anton Textile Co., or approved equal.
Colors
Dark Gold        FD-B73
Light Gold       FD-78
Dark Blue        FD-3
Light Blue       FD-9
Red              FD-17
Green            FD-113

Note: Where applicable, only light gold is to be utilized in the embroidery of the City of Chicago Seal.

Samples
Contractor must submit sample patches to the Research and Development Division for approval before production may commence.

Authorizations/Restrictions
Unless otherwise specified, the Chicago Police Department shoulder patches must be sewn on shirts and other uniform outer garments (with the exception of the raincoat).
All patches must be centered on the left sleeve ¾” below the outer shoulder sleeve seam and must be sewn on with thread that closely resembles the outer border of the patch.
Wool/felt shoulder patches must be sewn on the wool overcoat, wool reefer and wool blouse only.
The polyester/cotton shoulder patch must be sewn on the other outer garments (including shirts).

k. Nameplate
Nameplate must be 2-1/4” x 1/2” x .062 brass nameplate with clutch screw, or safety pin back; brushed satin finish with black lettering; available in silver and gold.

l. Silk Screening
i. Two (2)- part "Flash Ink" system using heavy opaque white ink flash pointed; garments must be run through machine twice to avoid shrinkage. Silk screening will be required to be applied on the front of various garments and also on the back of various shirts, sweatshirts, jackets, coveralls, and parkas. Silk Screen includes all required colors.

ii. Subsequent orders using the same design will not be subject to additional set up fees. Unless otherwise stated in the line item description or detailed specifications, the cost of applying the silk screen to the garments will be charged separately in addition to the cost of the garment. In the event the line item description includes a garment with a silk screen, the Contractor must include the silk screening as part of the bid price.
iii. The Contractor will not dispose of any screens or designs used by the City of Chicago without prior written approval from the department’s designated person. All silk screening will become property of the City of Chicago upon completion of termination of contract. The Contractor must submit all plates to the respective departments.

m. Embroidery
   i. The Contractor may charge the City of Chicago an initial embroidery design and makeup charge per design.
   ii. Contractor is responsible for embroidering various garments including shirts, sweatshirts, jackets, coveralls and parkas.

   City of Chicago Streets and Sanitation Traffic Services Security Identification, Iron-on Patch (Illustration 7). The patch is 3 ½” diameter, blue lettering on white background, with the City of Chicago seal centered in the middle of the patch. The Patch shall be attached to the left sleeve of all shirts (3” from top stitch to top of patch and centered) and the right sleeve of all coats (3” from top stitch to top of patch and centered).

o. Silk Screening, Printing
   Printing the silk screen direct onto the garment.

p. Flag Patch, Department of Finance – Street Operations (Illustration 6A)
   All shirts, jumpsuits and insulated overalls must have a City of Chicago Flag patch attached to their right sleeve. City of Chicago Flag Patch is 2-1/2” long by 1-1/2” wide, gold trim with blue stripes and red stars on white background. The Patch shall be attached to the right of all shirts (3” from top stitch to top of patch and centered) and the right sleeve of all coats (3” from top stitch to top of patch and centered).

q. Patch, City of Chicago Booting (Illustration 6B)
   City of Chicago Booting Patch is 3-1/2” diameter, blue trim and lettering on white background, with the City of Chicago seal centered in the middle of the patch. The Patch shall be attached to the left sleeve of all shirts (3” from top stitch to top of patch and centered) and the right sleeve of all coats (3” from top stitch to top of patch and centered).

r. Patch, City of Chicago Parking Enforcement (Illustration 6C)
   City of Chicago Parking Enforcement Patch is 3-1/2” diameter, blue trim and lettering on white background, with the City of Chicago seal centered in the middle of the patch. The Patch shall be attached to the left sleeve of all shirts (3” from top stitch to top of patch and centered) and the right sleeve of all coats (3” from top stitch to top of patch and centered).
Section 5: Rainwear (Jackets, Trousers, Coats, Boots, and Shoes)

s. General

It is the intent of these specifications to describe in detail the fabrication and furnishing of Rainwear issued to employees of the Department of Water Management and Office of Emergency Management and Communications. The Rainwear must be designed and manufactured to include all specifications described here with and provide the user a safe and functional waterproof garment.

i. Jacket/Coat Features: Tuck-away hood with 2” hook and loop closure. Raglan shoulder design. Two (2) patch pockets with hook and loop closure. Snap front closure with storm flap. Underarm vents Vented back Inner sleeves. The jacket length must be a minimum of 30” long with adjustments for various sizes. 1.5” silver 8710 3M (or equal) reflective film on the sleeve cuff and back vent. Must be constructed with polyurethane coated 210-denier nylon fabric. Must be compliant with fire retardant standards as listed in NFPA 701. Must be compliant with Class 2 high visibility background and retroflective material standards as listed in ANSI 107-1999.

ii. Seam Sealing & Stitching: All stitching, except hems and pockets, must be double needle stitched. All seams on the garment, except hems and pockets, must be sealed on the coated side of the fabric with a clear 7/8” wide ST180 urethane tape making the garment one hundred percent (100%) waterproof.

iii. Fabric: Must be polyurethane coated Nylon. Fabric must be one hundred percent (100%) waterproof.

iv. Weight (ASTM 03776): 4.74 average oz. per sq. yd. (3 oz. nylon, 1-% oz. urethane coating).

t. Silk Screen Imprint and Logo (Illustration 8)

City Seal must be silk screened with Mayor’s name, Rahm Emanuel, between reflective trim. Streets and Sanitation printed on center of back below horizontal reflective trim. Includes various lettering sizes (custom print) Logo and Seal at no charge to the City of Chicago. The Department of Streets & Sanitation Imprint will be with the following letters on back of vest. Letters should be horizontal on back of vest on lower trim.

u. Miscellaneous

Note that the sizes, shapes and colors of the Departmental logos in the attached Exhibit may be adjusted if the Using Department requires the revision. Standard setup fees in accordance with the Proposal Lines.
EXHIBIT 4: WORK AND BUSINESS UNIFORMS ILLUSTRATIONS
EXHIBIT 4: ILLUSTRATIONS

ILLUSTRATION 1: CITY OF CHICAGO FLAG
ILLUSTRATION 2A: OEMC
ILLUSTRATION 2C: OEMC

CITY OF CHICAGO

OEMC
TRAFFIC MANAGEMENT AUTHORITY
ILLUSTRATION 2D: OEMC
ILLUSTRATION 2G: OEMC
ILLUSTRATION 2H: OEMC
ILLUSTRATION 3A: WATER MANAGEMENT
ILLUSTRATION 3B: WATER MANAGEMENT
ILLUSTRATION 3C: WATER MANAGEMENT
ILLUSTRATION 4A: AVIATION
ILLUSTRATION 4C: AVIATION
ILLUSTRATION 6A: FINANCE PATCH
ILLUSTRATION 6B: FINANCE PATCH
ILLUSTRATION 6C: FINANCE PATCH
ILLUSTRATION 7: STREETS AND SANITATION
ILLUSTRATION 8: CITY OF CHICAGO SEAL