SUBJECT: PROTECTIVE GEAR FOR FIREFIGHTING

BID #: SC-0402-17 **OPEN DATE:** 02/15/2017

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT:
SUPPLY CONTRACT – ONE (1) YEAR FROM DATE OF AWARD WITH TWO (2) ONE (1) YEAR RENEWAL OPTIONS

AGENCY: FIRE/RESCUE

BASIS OF AWARD: BY GROUP TO THE LOWEST RESPONSIVE, RESPONSIBLE BIDDER

NUMBER OF BIDS INVITED: 5 **NUMBER RECEIVED:** 3 **NO BID:** 2

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval of award to Fisher Scientific Co., LLC for Groups 1, 4 and 5 in the amount of $157,298.50 and Municipal Equipment Co., LLC for Groups 2, 3 and 6 in the amount of $568,243.30. Period of service is one (1) year from date of award with two (2) one (1) year renewal options. Total estimated annual expenditure not to exceed $725,541.80.

Funding for this award to be encumbered by account FRFO011FO-05207 to be executed by purchase order(s).

Attachments: Recommendation Memo; Bid Tabulation Sheet; Terms and Conditions; Specifications

Analyst: _____
STEVEN BURAKOWSKI

RESPECTFULLY SUBMITTED: _____
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: **David S. Castleman, Chief of Rescue**

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

OFFICE OF THE CHIEF OF RESCUE

February 16, 2017

TO: Steven Burakowski, Buyer

FROM: David S. Castleman, Chief of Rescue

RE: **BID SC-0402-17 PROTECTIVE GEAR FOR FIREFIGHTING**

After reviewing the bids submitted for SC-0402-17 Protective Gear for Firefighting, we recommend awarding the bid as follows:

Group 1——Award to Fisher Scientific Company, LLC as the lowest conforming bidder.

Group 1 Total: $75,248.50

Groups 2—Award to Municipal Equipment Company, LLC as the lowest conforming bidder.

Group 2 Total: $58,240.00

Group 3—Award to Municipal Equipment Company, LLC as the lowest conforming bidder.

Group 3 Total: $494,203.30

Group 4—Award to Fisher Scientific Company, LLC as the lowest conforming bidder.

Group 4 Total: $16,050.00

Group 5—Award to Fisher Scientific Company, LLC as the lowest conforming bidder.

Group 5 Total: $66,000.00

Jacksonville
Where Florida Begins.

515 N. Julia Street | Jacksonville, FL 32202-4128 | Phone: 904.630.7055 | Fax: 904.630.4660 | davids@coj.net

Group 6—Award to Municipal Equipment Company, LLC as the lowest conforming bidder.

Group 6 Total: $15,800.00

Total Award: $725,541.80

Funding Code: FRFO011-05207
FO

If you have any questions, please let me know.

DSC/scm/tjh/af

515 N. Julia Street | Jacksonville, FL 32202-4128 | Phone: 904.630.7055 | Fax: 904.630.4660 | davids@coj.net

SC-0402-17 PROTECTIVE GEAR FOR FIREFIGHTING

TITLE:	PROTECTIVE GEAR FOR FIREFIGHTING
BID NO.:	SC-0402-17
OPEN DATE:	FEBRUARY 15, 2017 @ 2:00 P.M.
BUYER:	STEVEN BURAKOWSKI, ANALYST
No. Invited: (5)	No. Received (3) No Bids: (2)
Recorded By:	GAIL SAMPSON

ITEM	DESCRIPTION	EST. QTY	UNIT	FISHER SCIENTIFIC COMPANY, LLC		TEN-8 FIRE EQUIPMENT		MUNICIPAL EQUIPMENT COMPANY, LLC					
				UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL
	GROUP 1: FIREFIGHTING HELMETS AND PARTS												
1	MORNING PRIDE HELMET RATCHET/HEADBAND	400	EACH	$ 16.64	$ 6,656.00		$ -		$ -		$ -		$ -
2	U BRACKET AND MOUNTING HARDWARE (H/W) KIT	50	KITS	$ 5.22	$ 261.00		$ -		$ -		$ -		$ -
3	MORNING PRIDE "D" RINGHANG-UP LOOP & HARDWAREREPLACEMENT KIT	100	EACH	$ 1.88	$ 188.00		$ -		$ -		$ -		$ -
4	MORNING PRIDE HELMET EAGLE	25	EACH	$ 22.94	$ 573.50		$ -		$ -		$ -		$ -
5	MORNING PRIDE, 4" FACE SHIELD	200	EACH	$ 40.53	$ 8,106.00		$ -		$ -		$ -		$ -
6	MORNING PRIDE REPLACEMENT EAR FLAPS	150	EACH	$ 20.00	$ 3,000.00		$ -		$ -		$ -		$ -
7	MORNING PRIDE HELMET CHIN STRAP REPLACEMENTS	50	SETS	$ 10.99	$ 549.50		$ -		$ -		$ -		$ -
8	MORNING PRIDE FACE SHIELD BRACKET REPLACEMENT KITS	50	EACH	$ 10.44	$ 522.00		$ -		$ -		$ -		$ -
9	BEN 2 PLUS FIRE HELMET, MORNING PRIDE	250	EACH	$ 219.29	$ 54,822.50		$ -		$ -		$ -		$ -
10	MORNING PRIDE BROW PAD LINER AND RATCHET COVER	100	KITS	$ 4.23	$ 423.00		$ -		$ -		$ -		$ -
11	MORNING PRIDE D RING HANG UP LOOP	100	EACH	$ 1.47	$ 147.00		$ -		$ -		$ -		$ -
	TOTAL GROUP 1			$	75,248.50	$	-	$	-	$	-	$	-
	GROUP 2: FIREFIGHTING GLOVES												
12	COMMANDER ACE FIRE GLOVES (VARIOUS SIZES AND REGULAR AND CADET FINGER LENGTHS) #LPG928BK	800	PAIR		$ -		$ -	$ 72.80	$ 58,240.00		$ -		$ -
	TOTAL GROUP 2			$	-	$	-	$	58,240.00	$	-	$	-

TITLE:	PROTECTIVE GEAR FOR FIREFIGHTING			FISHER SCIENTIFIC COMPANY, LLC		TEN-8 FIRE EQUIPMENT		MUNICIPAL EQUIPMENT COMPANY, LLC					
BID NO.:	SC-0402-17												
OPEN DATE:	FEBRUARY 15, 2017 @ 2:00 P.M.												
BUYER:	STEVEN BURAKOWSKI, ANALYST												
No. Invited: (5)	No. Received (3)	No Bids: (2)											
Recorded By:	GAIL SAMPSON												
ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL
TITLE:	PROTECTIVE GEAR FOR FIREFIGHTING												
BID NO.:	SC-0402-17												
	GROUP 3: BUNKER COATS AND PANTS												
13	BUNKER PANT, WHITE NOMEX (VARIOUS WAIST SIZES AND INSEAM LENGTHS FROM 27" TO 33")	10	EACH		$ -	$ 773.64	$ 7,736.40	$ 572.20	$ 5,722.00		$ -		$ -
14	BUNKER COAT, WHITE NOMEX (VARIOUS CHEST SIZES AND ARM/TORSO LENGTHS FROM 27" TO 38")	10	EACH		$ -	$ 1,063.10	$ 10,631.00	$ 984.88	$ 9,848.80		$ -		$ -
15	BUNKER PANT (VARIOUS WAIST SIZES AND INSEAM LENGTHS FROM 27" TO 33")	250	EACH		$ -	$ 946.92	$ 236,730.00	$ 714.35	$ 178,587.50		$ -		$ -
16	BUNKER COAT (VARIOUS CHEST SIZES AND ARM/TORSO LENGTHS FROM 27" TO 38")	250	EACH		$ -	$ 1,253.65	$ 313,412.50	$ 1,168.95	$ 292,237.50		$ -		$ -
17	SUSPENDERS (VARIOUS LENGTHS FROM 36" TO 54")	250	EACH		$ -	$ 35.29	$ 8,822.50	$ 31.23	$ 7,807.50		$ -		$ -
	TOTAL GROUP 3			$ -		$ 577,332.40		$ 494,203.30		$ -		$ -	
TITLE:	PROTECTIVE GEAR FOR FIREFIGHTING												
BID NO.:	SC-0402-17												
ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL
	GROUP 4: LEATHER HELMET FRONTS												
18	SHIELD OF VALORK, GOLD LEAF SHIELD	10	EACH	$ 165.00	$ 1,650.00		$ -		$ -		$ -		$ -
19	SHIELD OF VALOR, LEATHER FRONT, W/ACCOUNTABILTY INSERTS	200	EACH	$ 54.00	$ 10,800.00		$ -		$ -		$ -		$ -
20	ACCOUNTABILITY INSERT REPLACEMENT	200	EACH	$ 18.00	$ 3,600.00		$ -		$ -		$ -		$ -
	TOTAL GROUP 4			$ 16,050.00		$ -		$ -		$ -		$ -	

TITLE:	PROTECTIVE GEAR FOR FIREFIGHTING														
BID NO.:	SC-0402-17														
OPEN DATE:	FEBRUARY 15, 2017 @ 2:00 P.M.														
BUYER:	STEVEN BURAKOWSKI, ANALYST														
No. Invited: (5)	No. Received (3)	No Bids: (2)													
Recorded By:	GAIL SAMPSON														
				FISHER SCIENTIFIC COMPANY, LLC		TEN-8 FIRE EQUIPMENT		MUNICIPAL EQUIPMENT COMPANY, LLC							
ITEM	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL		
TITLE:	PROTECTIVE GEAR FOR FIREFIGHTING														
BID NO.:	SC-0402-17														
	GROUP 5: FIRE BOOTS														
21	HONEYWELL FIRE FIGHTING BOOTS, BT1000 (BOTH MEN'S AND WOMEN'S VARIOUS SIZES)	400	PAIR	$ 165.00	$ 66,000.00		$ -		$ -		$ -		$ -		
	TOTAL GROUP 5			$	66,000.00	$	-	$	-	$	-	$	-		
	GROUP 6: PROTECTIVE HOODS														
22	HOOD, MAJESTIC FIREWEAR, P-84, #MAJPACIIP84	800	EACH	$ 19.84	$ 15,872.00		$ -	$ 19.75	$ 15,800.00		$ -		$ -		
	TOTAL GROUP 6			$	15,872.00	$	-	$	15,800.00	$	-	$	-		
	GRAND TOTAL			$	173,170.50	$	577,332.40	$	568,243.30						
	TERMS:			30 DAYS		NOT LSTED		30 DAYS							
	DELIVERY			15 DAYS		30 DAYS		7-48 BUS. DAYS							
	CONFLICT OF INTEREST			YES		YES		YES							
	ACKNOWLEDGEMENT OF ADDENDUMS (1)			YES		YES		YES							

SOLID COLOR INDICATES NO BID

TERMS AND CONDITIONS

PROTECTIVE GEAR FOR FIREFIGHTING

SCOPE

The Jacksonville Fire and rescue Department of the City of Jacksonville, Florida, is currently accepting bids to obtain source(s) of supply for the item(s) as outlined in the bid documents provided. The purpose of this bid invitation is to obtain information about your firm and its ability to provide the item(s) and to obtain pricing commitments for the Protective Gear & Equipment as listed in the bid documents.

AWARD

Award will be BY GROUP to the lowest responsive, responsible bidder. Bidders must bid on all items in a group to be considered for award of that group. All awards are subject to the availability of funds.

TERM OF AGREEMENT

The term of this agreement is for one (1) year from date of award with two (2) one (1) year renewal options. Renewal Options will be exercised at the discretion of the City based on supplier performance and adherence to the terms and conditions set forth in the bid documents.

PRE-BID CONFERENCE

Not applicable

COMPLIANCE WITH SPECIFICATIONS

The bidder, by affixing their signature to the bid form submitted, agrees to provide items(s) in accordance with the bid documents provided. Bid only a single offering for each bid item. Multiple offerings, alternates (unless stated) and or stipulations may be cause for bid rejection. Bid only on forms provided herein unless otherwise stated. Bid submissions shall be in ink or typewritten. All corrections must be initialed.

STATE CONTRACTS

The City reserves the right to utilize contracts established by the State of Florida and or other governmental agencies for item(s)/service(s) covered under this bid. The City reserves the right to cancel this contract in whole or in part for such item(s)/service(s).

QUANTITES

Quantities indicated reflect the estimated quantities to be purchased throughout the contract period and are subject to fluctuation in accordance with the actual requirements. The City reserves the right to purchase more than the estimated quantities listed or not make any purchase against this bid if it so deems necessary anytime during the contract period.

PRICES

Prices shall include all freight, delivery and handling charges to and from the delivery location as outlined in the bid documents.

ESCALATION/DE-ESCALATION

All pricing submitted shall remain firm for the initial period. Upon renewal (if applicable), a supplier may submit in writing a request for price escalation/de-escalation for the percentage of change as listed in the Consumer Pricing Index (CPI) and/or documentation notifying of an industry wide increase. The City reserves the right to decline any price increase request.

DELIVERY

Jacksonville Logistical Support Facility located at 515 North Julia Street, Jacksonville, FL 32202. Attn: Captain D. Williams or Tami Hertlein. A packing list shall accompany all shipments, which shall indicate, at a minimum, the following; purchase order number, item number and description, date of shipment, quantity ordered and shipped, unit prices and unit of measure.

PICK UP AND RETURNS

The City reserves the right to return an order in whole or in part if the merchandise is not in compliance with the bid specifications. The City or its agencies will determine compliance with bid specifications. Pick up and returns will be made within 48 hours of notification at no charge to The City or its agencies.

SUPPLIER ACCESSIBILITY

The City or its representative must be able to contact, during normal business hours, by telephone or email any supplier providing goods or services to the City or its agencies. Any supplier accessibility requirements outlines in the specifications supersede this section.

REPORTING

The City may request, during the term of this bid, reports including but not limited to; usage, pricing and delivery. Suppliers will be required to provide reports requested in hard copy and electronic format as required.

INVOICING

Invoices will be issued once supplies/services are delivered and/or rendered to the City of Jacksonville or its agencies. At a minimum, invoices must include the purchase order number, item number and description, date of shipment, quantity ordered and shipped, unit prices, unit of measure and extended totals. Payment terms are Net 30 days. All original invoices shall be submitted to: City of Jacksonville, General Accounting Division, 117 West Duval Street, Suite 375, Jacksonville, Florida, 32202.

INSURANCE / INDEMNIFICATION

Each supplier shall maintain, for the entire term of this bid, current insurance coverage as stated in the bid documents. All insurance certificates shall list the City of Jacksonville as an additional insured

BID SPECIFICATIONS: PROTECTIVE GEAR FOR FIREFIGHTERS

If a vendor submits any price for an alternative or equivalent product, all item must meet or exceed the specifications listed. Exceptions to the specifications are acceptable with a fully detailed explanation. Is it the prerogative of the Jacksonville Fire and Rescue Department to determine if the exceptions given meet or exceed the current specification.

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SPECIFICATIONS

Jacksonville Fire and Rescue Department
Technical Specifications for
Traditional Style Structural Firefighter's
Protective Helmet

Applicable Documents

NFPA 1500
NFPA 1971 (2013 Edition)
NFPA 1851

Legal right to specify as determined by the United States Supreme Court decision in the case of Whitten Corporation vs. Paddock, by the United States Court District Court of Massachusetts, First Federal District court.

For purpose of this document, FR means "Fire Resistant".

1.0 Scope

1.1 The specifications herein is written with the intent to define the minimum requirements, details, design features, materials and construction techniques for a traditional style structural firefighters helmet. The purpose of the helmet is to provide the Jacksonville Fire and Rescue Department (JFRD) with superior impact and thermal protection to the top and sides of head and neck area.

1.2 Firefighting is recognized as ultra-hazardous therefore the right to specify "no exception" or "no substitute" can be exercised. It is not the intent to arbitrarily eliminate any manufacturer. Safety of firefighters will prevail as final deciding factor.

2.0 Certifications and Warranties

2.1 Helmet must meet all NFPA 1971 (2013 Edition) certification for helmets.

2.2 The manufacturer shall be registered to ISO 9001, Quality Management Systems Requirements, 2000.

2.3 Helmet assembly must be third party certified by Underwriters Laboratory (UL) and have a label proving certification permanently affixed.

2.4 Copies of certifications must be provided by manufacturer to JFRD upon request.

2.5 The manufacturer must provide a lifetime warranty against defects in materials and workmanship which shall not be voided by any firefighting activity including but not limited to training fires including flashover simulators, exterior flammable liquid training fires or any other type of firefighting activity.

3.0 **Proof of Manufacturer's Ownership and Patents**

3.1 JFRD requires manufacturer to provide proof of ownership of design of helmet. Also a letter of patent(s) shall be provided upon request form JFRD as to guarantee helmet is made in accordance with these specifications. All materials used in the manufacturing process will be American Made (Made in USA).

4.0 **Helmet Shell Material**

4.1 The helmet shell material shall consist of the highest quality fiberglass composite material (FYR-Glass) high pressure molded to a minimum thickness of 0.070".

4.2 All coloring and pigments will be FR rated and shall be molded throughout the shell directly into the manufacturing process. Exterior paint coatings will not be accepted because of chipping and durability. Shell colors shall be made available in black, yellow, red, green, blue, or white.

4.3 Brim shall not "Flex" where it meets the dome for purpose of strength and durability. Shell cracking in this area will not be accepted and will be considered a manufacturer defect and covered by warranty.

5.0 **Suspension Assembly Material**

5.1 All internal suspension parts shall be made of highest quality FR material. All padding shall be made of highest quality self-extinguishing closed cell foam. All ratchet assembly parts shall be injection molded FR material of a one piece design. All padding covering shall be high quality FR material.

6.0 **Helmet Design**

6.1 The helmet will be of the American Fire Department traditional shape, to include the dome and brim. The dome will have a major longitudinal raised ridge and a major transverse raised ridge. Four minor diagonal ridges will also be included diagonally intersecting at the top of the dome. All raised ridges will be made an integral part of the shell by the high pressure molding techniques for the purpose of strength. A raised circumvention ridge where the dome meets brim will be present for strength. Brim shall be of the watershed design with an upward angle on the sides and a downward slope on the rear. The brim shall be a minimum width of 1.25" on the sides and front and shall be a minimum of 2.75" in length on the rear downward sloping rear. Top side of brim will have decorative "simulated leather tooling".

6.2 The brim of the helmet will have an FR protective edge beading applied with a high temperature adhesive permanently bonding edge protector to brim of helmet. Beading shall not be removable or shall not dislodge when exposed to heat or chemicals, no exception. Black, yellow and red helmets will use black color edging. White helmets will use white edging. Measured from front to rear the helmet will be a minimum of 15.25". Measured from side to side the minimum will be 12".

6.3 Use of metal wire for reinforcing the protective brim edge will not be acceptable.

6.4 Helmet shall exhibit superior impact resistance, thermal protection and puncture resistance without the addition of an impact/thermal liner inside the dome, no exception.

6.5 The internal suspension system shall be permanently bonded to the shells so as to form an integral unit to produce the aforementioned protection in 6.04. The suspension shall consist of at least a six (6) point strap system and allow for the lowest ride on wearer's head as possible while still providing the accepted height requirement for impact protection.

6.6 The entire internal suspension system shall be bonded to the shell using a high heat resistant adhesive and stainless steel screw placed on the underside of brim in the front and rear longitudinal ridge and also held in place by the chinstrap retainers.

6.7 The suspension system shall be adjustable by the use of a ratcheting adjustable type to accommodate a wide range of head sizes. Easily replaceable by trained field personnel. Shall have adjustable height risers easily adjusted by field personnel so as to provide a custom fit to each wearer. Suspension assembly shall not consist of a "break away" feature, no exception. A non-adjustable, at least six (6) point strap assembly to maintain proper clearance with head to inside top of shell will be provided. A floating FR foam pad will be an integral part of the strap assembly attached to the straps at the top of the suspension straps to provide comfort. The entire assembly shall maintain proper clearance while the lowest ride on wearer's head. All padding covering will be removable for the sake of cleaning.

7.0 **Chinstrap Assembly**

7.1 Chinstrap shall be made of ¾" wide black Nomex. Shall be of a two (2) piece design. Shall have postman's type non-corrosive slide buckle mounted on the wearer's right. A FR type two (2) piece buckle mounted on the wearer's left to allow separation of strap.

7.2 All buckles will be mounted into chinstrap so that no unprotected metal or thermoplastic material contacts wearer's face or neck. FR hook and loop fasteners will be provided to stow the loose end of the chinstrap. Chinstrap shall be mounted to helmet shell by FR rated retainers so they can be easily repaired or replaced. Shall be mounted to shell by bolts and acorn nuts. Rivets are not acceptable, no exception.

8.0 **Hanger Loop Assembly**

8.1 A hanger loop assembly consisting of a "D" ring of at least 1" I.D. width and bracket to allow "D" ring to swivel shall be mounted with a bolt and acorn nut. Rivets are not acceptable, no exception. "D" ring and bracket shall be made of gold anodized aluminum. Bolt and nut shall be brass.

9.0 **Face/Eye Protection**

9.1 Helmet will be provided with a 4" NFPA approved face/eye shield or "Easy-Flip Bourke Style" eye protection as specified by JFRD at the time of purchase. Face/eye shield brackets will be mounted to helmet with bolts and acorn nuts. Rivets are not acceptable, no exception. Tension adjustable thumb wheels shall be sued to retain the faceshield to the brackets. Retention thumb wheels shall be easily replaced in the field by FD personnel.

9.2 Helmet must be able to accept a goggle retention system that can be mounted to helmet so as not to interfere with front piece I.D. system.

10.0 Front Piece I.D. Shield Holders

10.1 Upper shield holder shall be a high quality brass carved style American eagle design. Eagle shall mount directly to the front major longitudinal ridge by means of threaded rods and acorn nuts. Eagle shall be adjustable to accept different size front pieces. The holes that allow the eagle to mount to the helmet shall be slotted to allow for adjustment.

10.2 Lower shield holder will be a "U" shaped glass reinforced thermoplastic bracket mounted to front of helmet by means of bolts and nuts. No part of fastener will be allowed to come in contact with wearer's head. Holes that front piece will mount to shall have brass threaded inserts to accept brass threaded rods and acorn nuts.

11.0 Ear and Neck Protection

11.1 Earn and neck flap shall be a minimum of 6.5" in length when measured from underside of brim to bottom of hem. Shall be an integral part of helmet assembly. Flap will cover all of ratchet and suspension assembly when properly worn. Shall be installed at factory and be easily removed in field for purpose of laundering. Shall be mounted to height adjusters inside of suspension by the means of a FR strap, which fits over the height adjusters. The use of Velcro to attach the earflap to helmet is not acceptable. Shall be made of 7.5 oz. rip-stop black PBI/Kevlar on the outside and stitched to FR flannel on the inside.

12.0 Hardware

12.1 All hardware used in the manufacture of the helmet will be corrosion resistant stainless steel, brass or anodized aluminum. Any exposed bolts will be covered with acorn style nuts and lock washers for wearer protection.

13.0 Labels and Required Reflective Trim

13.1 Helmets will have all NFPA, UL and any other required labels permanently affixed to either inside of dome or underside of helmet brim prior to shipping.

13.2 Helmets will be provided with NFPA approved reflective trim, in the form of 2" high Relexite tetrahedrons. Eight (8) markings will be provided on exterior of shell prior to shipping and applied at factory. Color shall be standard lime-yellow.

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JFRD
Technical Specifications for
Leather Front Shield
For the Traditional Style Firefighter's Helmet

1.0 Leather Front Shield

1.1 Shield Design

Shield will be a quality designed, durable, leather, accountability/passport style front piece. The shield will be the industry standard six inch (6") style. Colors will be available for frame in black, white and gold leaf. The frame will have two (2) panels, one at the top, which will arched and one at the bottom, which will be straight. The colors of the panels will be red. The letters printed on the panels will be available in white. Letters will be block style. Holes will be pre-punched to mount shield on Morning Pride Ben II Plus helmet. Holes will not be pre-punched in gold leaf shields.

1.2 Shield Insert Design

The accountability insert will be available in black, blue, green, orange, red, and yellow. The numbers and letters on the insert will be block style, leather, sewn on, raised and will be available in white and black. The insert will attach to the frame with FR hook and loop type fastener, so it can be removed and replaced. All stitching will be of a high quality FR thread. All workmanship and products will be guaranteed for a minimum of five (5) years.

2.0 Shield Styles

2.1 Shield Colors

The JFRD will use a black shield for all members below the rank of District Chief. The District Chief will use a white shield. The Division Chiefs will use a gold leaf, six inch (6") inch standard shield, not accountability/passport style. The gold leaf shield will be hand painted and custom designed for the JFRD. The Division Chiefs will have a custom gold leaf shield with lettering available for each Division: Operations, Rescue, Training, and Prevention. The Fire Chief will have Director/Fire Chief on the gold leaf shield.

2.2 Insert Colors

The insert color will reflect the division the firefighter is assigned. See below:

Combat- Black with white numbers/letters
Rescue – Blue with white numbers/letters
Training – Green with white numbers/letters
Haz-Mat – Red with white numbers/letters
Special-Ops – Orange with white numbers/letters
Fire Prevention/Probationary – Yellow with white numbers/letters
District/Division Chief – White insert with black numbers/letters

3.0 Warranties and Guarantees

All workmanship and products will carry at least a 5 (five) year guarantee. Manufacturer will correct any defects in workmanship without cost to the JFRD. Any mistakes in numbering/lettering made by the manufacturer will be corrected without cost to the JFRD. All materials will be of the highest quality available and use the industry standard assembling techniques.

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QWS3270X 2/16/2017 2:29 PM
FAML6350 V5.1 ** NW COJ FAMIS PRODUCTION ** 02/16/2017
LINK TO: ACCOUNT SUMMARY INQUIRY 2:29 PM

FISCAL MO/YEAR : 05 2017 CURRENCY CODE :
INDEX CODE : FRFO011FO FIRE OPERATIONS
SUBOBJECT : 05207 FIRE HOSE AND BUNKER GEAR
PROJECT :
PROJECT DETAIL :
GRANT :
GRANT DETAIL :
USER CODE :

S	FEB 2017	ANNUAL BALANCE	ALL YEARS BALANCE
ESTIMATED REVENUES	.00	.00	.00
REVENUES	.00	.00	.00
UNREALIZED REVENUES	.00	.00	.00
BUDGET	.00	749,135.36	749,135.36
EXPENDITURES	65,949.84	182,078.93	182,078.93
ENCUMBRANCES	45,297.72	260,567.36	260,567.36
PRE-ENCUMBRANCES	-37,939.00	.00	.00
REMAINING BALANCE	-73,308.56	306,489.07	306,489.07

F1-HELP F2-SELECT F4-PRIOR F5-NEXT
F9-LINK F10-PRIOR-MO F11-NEXT-MO

G014 - RECORD FOUND