



**STATE OF ALABAMA
COUNTY OF SHELBY**

SEALED BIDS – BALLISTIC VESTS

Sealed bids for will be received for **BULLISTIC VESTS** in the office of the County Manager, Shelby County Administration Building, 200 West College Street, Room 123 in Columbiana, Alabama 35051 until 2:30 p.m. on September 24, 2019 at which time bids will be publicly opened and read. The County Commission reserves the right to reject any or all bids and to waive informalities in awarding this bid to the lowest responsive bidder. Bidders are to state that bids submitted are firm and that no claims for errors will be made after bids are opened and subsequent thereof. Any entity of Shelby County Commission may purchase from this bid.

GENERAL INFORMATION

All bidders must use our form for submitting their bids. Bids must be submitted in triplicate. All bids must be sealed and marked in the lower left hand corner "**BID – BALLISTIC VESTS**" with opening date and time. Late bids will not be opened.

Records showing successful bidder(s) and prices quoted will be placed on file and may be examined upon request. If contract is awarded to someone other than lowest bidder, a note of explanation will appear in the bid file and Commission Minutes.

Use of trade names and numbers shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition.

Any entity of Shelby County Commission, Shelby County Board of Education or any municipality within Shelby County upon agreement and approval of both parties may purchase from this bid.

The County may cancel this contract at any time for any reason, provided a thirty day written notice is given.

CONTRACT PERIOD / PRICING

The period of this contract will be for one (1) year from date bid is awarded. This contract may be renewed for up to three (3) years from the initial award date upon the agreement of both parties with the pricing remaining the same as the initial bid.

Bids will not include State Sales Tax or Federal Excise Tax. **Bid price submitted shall include price "DELIVERED"(including surcharges, shipping charges, etc.)**

Shelby County requires a purchase order for all purchases/services. Copies of purchase order shall be required by vendor for orders to be processed and invoices paid.

DISQUALIFICATION OF BIDS

Bids may be disqualified before award of the contract for any of the following:

- A. Failure to mark envelope as required;
- B. Failure to sign or notarize the bid document;
- C. Failure to include requested information or other details of the bid.

METHOD OF AWARD

The award will be made to the lowest responsive bidder meeting specifications. It is not the policy of the Shelby County Commission to purchase on the basis of low bid only. Quality, conformity with specifications, purpose for which required, terms of delivery, and past service and experience are among the factors that may be considered in determining the responsive bidder.

The Shelby County Commission reserves the right to award separate contracts for each item, each product, or any combination of products if in the best interest of the Shelby County Commission. Shelby County Commission reserves the right to reject all bids.

No bid may be withdrawn after the scheduled closing time for the receipt of bids for a period of sixty (60) days.

Prices must be valid for a period of one (1) year from date of bid award. This contract may be renewed for up to three (3) years from the initial award date upon the agreement of both parties.

IMMIGRATION LAW

By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

OPEN TRADE

By signing this contract, vendor agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

Please provide your bid response in triplicate, one original and two copies.


Alex Dudchock
County Manager



John Samaniego, Sheriff

Specifications for Ballistic Vest Bid
September 12, 2019

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 09/04/2019

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1.0 SCOPE: The attached product specification details the style and quality of concealable soft body armor vests intended for use by male or female members of this agency. The vests shall be worn comfortably while being concealed under a shirt. All vests shall provide protection against labeled projectile penetration while reducing resultant blunt trauma and vest distortion to acceptable levels. The successful vendor shall be required to supply the individual vests with applicable options and colors as ordered for male or female personnel.

The concealable body armor shall be the Safariland SX Series that meets or exceeds the Federal Bureau of Investigations Body Armor Test Protocol and complies with National Institute of Justice (NIJ) Standard 0101.06 Ballistic Resistance of Personal Body Armor for Type IIIA

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classification. Bids based on body armor models made by manufacturers other than Safariland must be clearly identified as such; those bidders must include: a male and female sample, full product descriptions, drawings and/or photos, technical specifications, as well as a list of at least (10) law enforcement agencies currently using that model armor for reference with their bid.

Bidders failing to submit this supporting documentation will be rejected from the bid.

Where the apparent low bidder has proposed an alternate product, that bidder shall demonstrate product equivalency to the satisfaction of the Sheriff's Office. Evidence of equivalency shall be presented for each requirement of this specification, and the burden of such equivalency is entirely on the vendor. Any bidder may be required, at any time during the procurement process, to provide documentation proving compliance with any or all the terms of this specification.

Only body armor models which have been tested by the National Institute of Justice (NIJ) National Law Enforcement Technology Center (NLETC) utilizing the methodology found in the Federal Bureau of Investigations Body Armor Test Protocol and complies with National Institute of Justice (NIJ) Standard 0101.06 Ballistic Resistance of Personal Body Armor for Type IIIA classification, **no exceptions. Models certified under earlier standards and grandfathered into compliance will be rejected.**

Bidders offering a product other than Safariland with multiple models as alternatives **will be rejected.** Those bidders offering products other than Safariland must provide test results of any and all rounds that exceed National Institute of Justice (NIJ) Standard 0101.06 Ballistic Resistance of Personal Body Armor. This NIJ abbreviated testing is commonly known as "Special Threat" testing; testing of such rounds must be conducted by an NIJ approved laboratory. Failure to provide such documentation at time of bid **will be cause for rejection.**

2.0 GENERAL MINIMUM REQUIREMENTS:

The requirements in this specification describe **minimum** acceptable standards for concealable body armor for the Sheriff's Office. The intent is to purchase state-of-the-art concealable body armor with optimum protection with a high degree of wearability. All bidders shall adhere strictly to the requirements stated herein. Compliance, warranties, and/or deviations from this specification are to be noted; a complete justification for any and all deviations is to be furnished in a separate document "**Deviations from Specifications**" and submitted with the bid package. Only products of manufacturers that meet or exceed these specifications will be considered. **Bids from manufacturers other than the specified model must demonstrate product equivalency by submitting full product descriptions, technical specifications, test reports, a complete bid sample - male and female - as well as other requested information set forth in the following specifications. The Sheriff's Office reserves the right to reject any and all bids, to waive any informality in bids and to accept any item in the bid.**

2.1 QUALITY REQUIREMENTS: All materials are to be clean, brand new and free of any defects. All workmanship is to be of first quality. No defect that may affect the performance, wearability, or durability of the vest will be tolerated. The Sheriff's Office shall have the sole right to determine if this and all other requirements have been met.

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2.2 ORIGIN OF MANUFACTURE: Only vests assembled entirely by United States citizens or persons who have legally immigrated and/or applied for United States citizenship will be considered for purchase.

3.0 DESIGN REQUIREMENTS:

The concealable soft body armor described herein is intended for primary use as an undergarment-worn concealably under a uniform or other type of shirt. The ballistic vest shall consist of two primary components- the BALLISTIC PANELS which consist of the ballistic panels enclosed by a protective BALLISTIC PANEL COVER and the BALLISTIC VEST CARRIER or "outer-shell".

3.1 GENERAL DESIGN and USER COVERAGE:

The soft body armor must provide maximum practical protective coverage for male and female officers for everyday wear. However, it must not bind or restrict user mobility or wearability. The intent is to provide full wrap or overlap protection of the torso - coverage is to be the maximum available consistent with wearability needs. This is defined as a vest with "full wrap" side panels that "butt fit" at the sides, with no more than 1" gap or overlap design in which the side panel overlaps for the highest degree of coverage. Suitable relief 1-2" should be allowed between the bottom edge of the vest and the duty belt while standing so that no binding occurs when the officer is in a sitting position. Ample relief must be provided in the armpit region for maximum mobility and a 2"-3" scoop neck must be provided to maintain concealability and prevent the armor from showing when worn under a shirt with an open collar.

4.0 BALLISTIC PANELS:

This bid is for Safariland ballistic vest model SX Series SX02 and SX02F. The bid specifications for ballistic panels are listed in appendix 1.

5.0 BALLISTIC VEST CARRIER:

Bids for three ballistic vest carriers must be included by the successful bidder. The carriers are described as Safariland models M1, P1 and V1 Side pocket/Front pocket. The bid specifications for these carriers are listed in appendix 2, appendix 3 and appendix 4.

6.0 QUALITY CONTROL AND PRODUCT CONSISTENCY:

QUALITY CONTROL PROGRAM AND POLICY: Any manufacturer bid must have a comprehensive Quality Control Program, which includes a written Q.C. Policy and the minimum quality assurance steps shown in 6.2-6.6, below. The manufacturer must also be Quality Certified by an accredited Quality registrar to the ISO 9001 standard. All documents and data must be made available for inspection upon request. **A copy of both the quality control policy and the ISO 9001 certificate of registration must accompany this bid.**

6.1 PRODUCT CONSISTENCY: The manufacturer must warrant that all shipments of each certified model will be identical in design and constructions to that which was originally certified. The manufacturer and NIJ must have retained samples from the original certification for verification and/or inspection. **No substitutions will be allowed without the prior written approval of the Sheriff's Office.**

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6.2 SERIALIZATION: All vest must be serialized, 100% inspected, and traceable. All procedures and quality data must be available to the Sheriff's Office for inspection upon request.

6.3 FIBER AND FABRIC PROPERTIES: Each lot's critical fiber properties (denier, # of filaments, fiber type, tenacity, and elongation at break) must have been certified by the fiber manufacturer. Each lot's critical fabric properties (weave, warp & fill ends/inch, basis weight, thickness, yarn and fabric tensile properties, 9mm and .357 Mag. V-50 ballistic limits) must have been certified by the fabric manufacturer.

6.4 MANUFACTURER PROPERTY CHECKS: The vest manufacturer must also recheck critical fabric properties (fiber/fabric property certifications, weave type, warp and fill ends/inch, basis weight, and 9mm/357 Mag. penetration resistances) of each shipment received prior to its use in manufacturing ballistic vests.

6.5 CONTINUED PERFORMANCE: The manufacturer must warrant that the NIJ certified model will continue to perform at its established V-50 Ballistic Limit levels, as demonstrated by independent laboratory tests, within a normal variation of +/-3%, throughout the five year service life of the vest.

6.6 PLANT INSPECTIONS: The manufacturer must allow unannounced plant and data inspections if the Sheriff's Office wishes to conduct them, at any time during or after the production of the Sheriff's Office's vests. (Note: All Sheriff's Office plant visits and/or ballistic tests will be paid for by the Agency.)

7.0 PRODUCT WARRANTY and CUSTOM FIT:

VEST PERFORMANCE WARRANTY: Assuming normal use and lack of abuse, each vest must be warranted to provide protection as stated on the protective panel label and to be free of defects in material and workmanship for a period of **five (5) years** from the date of purchase. Outer carriers must be guaranteed against defects in workmanship for **twelve (12) months** from date of purchase.

7.1 CUSTOM FIT: Each vest must be custom fit and made to measurements. All measurements must be performed by factory trained personnel. If a manufacturer is bidding directly, a detailed service plan for agency fitting and provisions for local customer service must be provided with this bid.

7.2 FIT GUARANTEE: The fit of custom-measured vests must be guaranteed. Bidder and/or manufacturer must agree to provide alterations or replacement free, until the wearer is satisfied. Note: Officer must request alterations within 2 weeks of issue and not mark on vest or carrier prior to satisfaction of fit. After 2 weeks an alteration fee applies.

7.3 PACKAGING: Each vest must be packaged individually in a protective plastic bag and shipped in a specially designed protective cardboard box.

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7.4 Delivery: Each ballistic vest ordered should be delivered to the Sheriff's Office by the manufacturer within eight weeks of date of order and no later than 12 weeks from the date of order.

8.0 INSURANCE REQUIREMENT:

8.1 PRODUCT LIABILITY: Qualified bidders shall agree to provide a minimum of \$10,000,000 (USD) in product liability insurance coverage on delivered vests. *A copy of the manufacturer's liability insurance showing proof of \$10,000,000 (USD) liability insurance must accompany this bid.*

9.0 PROOF OF STABILITY:

Qualified bidders must have an established store with regular business hours. Only manufacturers that have been in business at least three years are eligible.

10.0 REFERENCES:

Upon request, qualified bidders must furnish a list of other agencies that their brand has been supplied to over the past three years.

(Note: Manufacturers may submit this list directly to the Agency. All lists will be held confidential and returned at the end of the bidding process.)

11.0 PROTEST:

Any protest based on the selection and performance criteria of this specification will be disregarded. The agency retains the right to reject any bids based upon non-conformance of the aforementioned detailed specifications.

OPTIONAL DESIGN REQUIREMENTS:

Below are items that must be offered as options to be utilized in conjunction with the concealable body armor:

Ballistic Plates: The following optional, removable Special Threat Plates must be offered as optional items:

Optional **Hard armor plate-** Protech's Impac-HT. The specifications are listed in appendix 5.

Trauma Pacs: The following TRAUMA only insert must be offered as optional items:

Optional soft trauma insert- Safariland SBA-MAP. The specifications are listed in appendix 6.

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Name of Bidder _____

Address of Bidder _____

Phone Number _____ Facsimile Number _____

Contact Information _____

E-Mail Address _____ Federal Tax ID# _____

Brand of Body Armor Bid _____

Male Model Description _____ Female Model Description _____

Note any deviations from specifications (if none write "None"): _____

check here if additional sheets are attached otherwise it is understood that no other documentation is relative.

Individual Item Bid Pricing

Safariland SX-02 (Male) Vest	\$ _____
Safariland SX-02F (Female) Vest	\$ _____
Safariland M1 concealed carrier	\$ _____
Safariland P1 concealed carrier	\$ _____
Safariland V1 Side Pocket/front pocket external carrier	\$ _____
Pro-Tech Impac-HT ballistic plate	\$ _____
Safariland soft Trauma Insert	\$ _____

I certify that the information furnished in this bid package and all accompanying information is truthful and representative of the facts as I understand them. Bid prices are effective immediately upon acceptance by Shelby County and remain in effect for one year.

The County of Shelby, Alabama, reserves the right to extend this contract for two (2) additional 12 month periods if agreed upon by both parties (Shelby County and the supplier or manufacturer awarded the bid).

Printed Name

Signature

Date

Title

BIDS SUBMITTED ARE FIRM AND NO CLAIMS FOR ERRORS WILL BE MADE
AFTER BIDS ARE OPENED AND SUBSEQUENT THEREOF.

Sworn to and subscribed before me this

the _____ day of _____, 2019.

_____, Notary Public

My Commission Expires: _____



**SX™ Series SX02 & SX02F (Level II)
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to The Safariland Group Model (NIJ Model # BA-2000S-SX02 and BA-2000S-SX02F) that is compliant with National Institute of Justice (NIJ) Standard 0101.06 Ballistic Resistance of Personal Body Armor for Type IIIA classification and manufactured by The Safariland Group (Safariland®).

2. Research, Development, and Manufacturing:

The manufacturer (Safariland®) of the armor model, as listed on the NIJ's Compliant Product List (CPL), solely performs the research, development, and manufacturing capabilities described below. Other manufacturers of armor models listed on the CPL that have outsourced similar capabilities shall be deemed as inferior.

Capabilities	Internal	Out Sourced
Soft Armor Research and Development	X	
Hard Armor Research and Development	X	
Soft and Hard Armor Ballistic, Stab and Fragmentation Testing	X	
Soft and Hard Armor Non-Destructive and Destructive Testing	X	
Carrier Research and Development	X	
Domestic Soft and Hard Armor Manufacturing Facilities	X	
Domestic and International Carrier Manufacturing Facilities	X	

3. Armor Design – Construction:

The SX02 (Type II) model has the following armor design characteristics:

Feature(s)	Definition(s)	Benefit(s)
Hybrid Technology	The use of multiple types of ballistic, stab, fragmentation and blunt trauma resistant materials in an armor design.	Provides the perfect balance between blunt trauma reduction and ballistic resistance against a wide array of bullets
Honeywell Spectra® 5128	Spectra Shield® II SA-5128 is a Four ply Uni-Directional Polyethylene. It is made from Polyethylene fibers cross-piled at 0°/ 90° / 0°/ 90° orientation and impregnated with a resin matrix to form a fabric of material.	Spectra Shield® II SA-5128 Utilizes a fiber that is 10 times the strength of steel. Provides reduction in blunt trauma, increased ballistic and fragmentation resistance, and high degree of flexibility. Cross-piled fibers increase the transfer of energy following a ballistic event. Spectra Shield® II SA-5128 was designed for increased flexibility and comfort.
Honeywell Spectra Shield 5352	Spectra Shield® 5352 is a Two ply Uni-Directional Polyethylene. It is a pre-consolidated sheet material made from unidirectional Spectra® fiber pre-impregnated in a resin matrix, cross-piled in a 2-ply 0°/ 90° orientation. It is sold exclusively to Safariland™.	Spectra Shield® 5352 provides strong protection against the NIJ .06 threats and alternate threats. It has excellent fragmentation protection as well as substantial reduction of blunt trauma in a ballistic event. Spectra Shield® 5352 was designed for increased flexibility and comfort.
Honeywell Spectra Shield® 5358	Spectra Shield® 5358 is a Four ply Uni-Directional Polyethylene. It is a pre-consolidated sheet material made from unidirectional Spectra® fiber pre-impregnated in a resin matrix, cross-piled in a 4-ply 0°/ 90° / 0°/ 90° orientation. It is sold exclusively to Safariland™.	Spectra Shield® 5358 provides strong protection against the NIJ .06 threats and alternate threats. It has excellent fragmentation protection as well as substantial reduction of blunt trauma in a ballistic event. Spectra Shield® 5358 was designed for increased flexibility and comfort.
Woven DuPont™ Kevlar® Aramid fiber	The use of DuPont™ Kevlar® products made from Aramid fibers in various size yarns (dtex) that are woven together to form a fabric of material. All ballistic plies are made from 100% DuPont™ Kevlar® KM2+ fibers.	Provides a high level of ballistic resistance with high impact properties, excellent thermal stability and chemical resistance. The addition of coatings and micro-laminates enhance the chemical and mechanical properties for durability in various conditions
Advanced Stitching (Single Perimeter, Shoulder Tack)	The use of a single ballistic stitch pattern along the entire perimeter of the armor subsets as necessary. A small center stitch line or 'Center Tack' is used in subsets. Sewn only with Spectra thread	Provides a reinforced area along the perimeter of the armor panel for increased performance during edge shots. Small shoulder stitch lines provide protection by securing ballistic materials together and increasing flexibility and comfort.

	for improved strength and performance. Female front panel (SX02F) will have a structured design that will be cut and stitched.	The structured female front panel is designed for increased comfort.
Grip Loc Integrated Suspension System	Velcro®Hook Tabs are adhered to the exterior of the cover material for added support to ensure proper placement within the carrier system.	This provides an integrated suspension system that transfers the weight of the armor panel through the cover material and carrier to the shoulder straps. The suspension system prevents the armor panel from bunching at/on the bottom of the carrier and forming horizontal set wrinkles, therefore, increasing the life cycle of the ballistics and adding additional protection in a ballistic event.
Water Resistant Cover with Heat-sealed Edges	The use of Milliken 70 denier nylon. Armor panel has edges heat-sealed through an ultrasonic bond process with a minimum of a .25" wide seal.	Provides a durable protective cover around the armor panels that resists environmental contaminate(s). All packages are NIJ tested and compliant with TPU for waterproofing.

4. Armor Design – Ballistic Performance:

The SX02 (Type II) model has the following armor design characteristics:

Feature(s) – BA-2000S-SX02	Data
Areal Density (lbs per square foot)	0.59 lbs/ft ² (2.88 kg/m ²)
Thickness (inches)	0.160 in (4.06 mm)
9mm Estimated V-50 (New) (feet per second)	1817 ft/s (554 m/s)
9mm Estimated V-50 (conditioned) (feet per second)	1757 ft/s (536 m/s)
.357 Mag Estimated V50 (NEW) (feet per second)	1699 ft/s (518 m/s)
.357 Mag Estimated V-50 (conditioned) (feet per second)	1575 ft/s (480 m/s)
9mm Average Backface Signature (New) (millimeters)	30.40 mm
.357 Mag Average Backface Signature (NEW) (millimeters)	34.80 mm
9mm – RPI	3080
.357 Mag – RPI	2880
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Backface Signature (P-BFS)	<ul style="list-style-type: none"> Meets/Exceeds Requirements of FBI Body Armor Test Protocol Winchester 9 mm 127 gr. +P+ SXT (RA9TA) – 1300 ± 30 ft/s Winchester .40 S&W 165 gr. SXT (RA40TA) – 1230 ± 30 ft/s Speer .357 Sig 125 gr. GDHP (23918) – 1465 ± 30 ft/s Federal 9 mm 124 gr. +P HST (P9HST3) – 1300 ± 30 ft/s FN 5.7x28 mm 40 gr. SS197 Sporting Round, Blue Tip Hornady V-Max Bullet – 1750 ± 50 ft/s

Feature(s) – BA-2000S-SX02F	Data
Areal Density (lbs per square foot)*	0.61 lbs/ft ² (2.98 kg/m ²)
Thickness (inches)*	0.165 in (4.19 mm)
9mm Estimated V-50 (New) (feet per second) **	Front Panel: 1810 ft/s (552 m/s) / Back Panel: 1817 ft/s (554 m/s)
9mm Estimated V-50 (conditioned) (feet per second) **	Front Panel: 1704 ft/s (519 m/s) / Back Panel: 1757 ft/s (536 m/s)
.357 Mag Estimated V50 (NEW) (feet per second) **	Front Panel: 1699 ft/s (518 m/s) / Back Panel: 1699 ft/s (518 m/s)
.357 Mag Estimated V-50 (conditioned) (feet per second) **	Front Panel: 1707 ft/s (520 m/s) / Back Panel: 1575 ft/s (480 m/s)
9mm Average Backface Signature (New) (millimeters) *	30.40 mm
.357 Mag Average Backface Signature (NEW) (millimeters) *	34.40 mm
9mm – RPI	2967
.357 Mag – RPI	2785
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Backface Signature (P-BFS)	<ul style="list-style-type: none"> Winchester 9 mm 127 gr. +P+ SXT (RA9TA) – 1300 ± 30 ft/s Winchester .40 S&W 165 gr. SXT (RA40TA) – 1230 ± 30 ft/s Speer .357 Sig 125 gr. GDHP (23918) – 1465 ± 30 ft/s Federal 9 mm 124 gr. +P HST (P9HST3) – 1300 ± 30 ft/s FN 5.7x28 mm 40 gr. SS197 Sporting Round, Blue Tip Hornady V-Max Bullet - 1750 ± 50 ft/s

**In accordance with NIJ 0101.06 Female Testing, the front panel must be tested separately from the back panel.

*This is an average of both the front and back panels.

5. Availability:

The SX02 (Type II) model is available in accordance with the NIJ Compliance Product List (CPL) as follows:

Classification (s)	Current Status
NIJ Template Size Availability	NIJ C-1 through NIJ C-5
Gender Neutral Armor Model Design Availability	Yes
Gender Specific Shape and Grade for Male(s) Availability	Yes

2 May 2017

Rev. 6

These commodities, technology or software are controlled for export in accordance with the U.S Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

Gender Specific Shape and Grade for Female(s) Availability	Yes
Neutral and Female Ballistic Packages to be made of same materials	Yes

6. Support Programs:

Classification(s)	Current Status
Warranty	5 Years
Quality Assurance Program(s)	ISO 9001: 2008/ BA9000/ Vest Check Program
Safety Assurance Program(s)	OHSAS 18001
Environmental Assurance Program(s)	ISO 14001
Liability Insurance	Information Available Upon Request



BID SPECIFICATION - M1

1. Scope:

The scope of this product specification provides information relating to The Safariland® Model M1 concealable carrier manufactured by Safariland®.

2. Research, Development, and Manufacturing:

The manufacturer (Safariland®) solely performs the research, development, and manufacturing capabilities described below.

3. Carrier Design – Functionality:

The Safariland® model M1 has the following design features related to functionality:

Feature(s)	Definition(s)	Benefit(s)
Interior vertical double fold armor panel access	A non-zipper opening panel loading system allows for insertion of the armor panels from the interior of the carrier.	Provides the ability to insert / remove the armor panels quickly and easily, and allowing for cleaning the carrier and armor panels separately, as necessary.
Velcro® Brand channels	Strategically located ergonomic Velcro® Brand channels.	Provides adjustability with easy fastening and removal.
Colors	Black, Dark Navy, White, Olive, Tan	Choose between a variety of colors to suit individual operational needs.

4. Carrier Design – Upgradability:

The Safariland® model M1 has the following design features related to upgradability:

Feature(s)	Definition(s)	Benefit(s)
Front and Back external top loading dual plate pocket 5x8, 7x9	Multi-size plate pockets on the front of the carrier allow for the insertion of multi-size Safariland® special threat plates, including quick access high profile Velcro® Brand top loading feature.	Provides the ability to insert a wide variety of special threat plates and upgrade to the level of protection required.

5. Carrier Design – Adjustability:

The Safariland® model M1 has the following design features related to adjustability:

Feature(s)	Definition(s)	Benefit(s)
Removable and reversible contoured ergonomic straps with controlled stretch	Flexible and adjustable shoulder and reversible side closure system that allows for secure and snug fit.	Provides the ability to adjust and secure the shoulder straps from the front of the carrier, and from the sides to suit individual preferences and correct girth measurement.

6. Carrier Design – Durability:

The Safariland® model M1 has the following design features related to durability:

Feature(s)	Definition(s)	Benefit(s)
100% Nylon hexagon ripstop with DWR finish	A durable, tear, and water resistant shell fabric used for the exterior of the carrier with a durable water repellent finish.	Provides a durable, water resistant material to protect the armor panels and resists the negative effects of exposure to high temperatures and "dry-rotting."
X-STATIC®XT2TM	Silver antimicrobial odor control circular knit mesh	Provides flexible material with anti-bacterial odor control properties.
High Profile Velcro® Brand Hook and Loop	A durable, heavy duty fastening solution made of woven nylon, that delivers a strong hold with easy removal.	Provides a secure means of attaching the shoulder and side closure systems.

7. Availability:

The Safariland M1 model is available as follows:

Classification (s)	Current Status
Size (Number of standard sizes)	Custom Sizes

8. Support Programs:

Classification(s)	Current Status
Warranty	12 Months



BID SPECIFICATION - P1

1. Scope:

The scope of this product specification provides information relating to The Safariland® Model P1 concealable carrier manufactured by Safariland®.

2. Research, Development, and Manufacturing:

The manufacturer (Safariland®) solely performs the research, development, and manufacturing capabilities described below.

3. Carrier Design – Functionality:

The Safariland® model P1 has the following design features related to functionality:

Feature(s)	Definition(s)	Benefit(s)
Interior zipper with zipper garage	A zipper-opening panel loading system allows for insertion of the armor panels from the interior of the carrier.	Provides the ability to insert / remove the armor panels quickly and easily, and allowing for cleaning the carrier and armor panels separately, as necessary.
Velcro® Brand channels	Strategically located ergonomic Velcro® Brand channels	Provides angled channels, with multiple adjustability with easy fastening and removal
Colors	Black, Dark Navy, White, Olive, Tan	Choose between a variety of colors to suit individual operational needs.

4. Carrier Design – Upgradability:

The Safariland® model P1 has the following design features related to upgradability:

Feature(s)	Definition(s)	Benefit(s)
Front and Back external top loading dual plate pocket 5x8, 7x9	Multi-size plate pockets on the front of the carrier allow for the insertion of multi-size Safariland® special threat plates, including quick access high profile Velcro® Brand top loading feature.	Provides the ability to insert a wide variety of special threat plates and upgrade to the level of protection required.

5. Carrier Design – Adjustability:

The Safariland® model P1 has the following design features related to adjustability:

Feature(s)	Definition(s)	Benefit(s)
Removable and reversible contoured ergonomic straps with controlled stretch	Flexible and adjustable shoulder and side closure system that allows for secure and snug fit.	Provides the ability to adjust and secure the shoulder straps from the front of the carrier, and from the sides to suit individual preferences and correct girth measurement.

6. Carrier Design – Durability:

The Safariland® model P1 has the following design features related to durability:

Feature(s)	Definition(s)	Benefit(s)
85/15 Nylon6/Spandex lightweight 4-way stretch ripstop with DWR finish	A durable, tear and water resistant 4-way stretch high performance shell fabric used for the exterior of the carrier.	Provides a durable, water resistant material to protect the armor panels, and provides stretch for maximum comfort.
High Profile Velcro® Hook and Loop	A durable, heavy duty fastening solution made of woven nylon, that delivers a strong hold with easy removal.	Provides a secure means of attaching the shoulder and side closure systems.

7. Availability:

The Safariland P1 model is available as follows:

Classification (s)	Current Status
Size (Number of standard sizes)	Custom Sizes

8. Support Programs:

Classification(s)	Current Status
Warranty	12 Months



V1-SIDE-PKT / V1-FRONT-PKT – Technical Specification

Brand	Safariland
Model	V1-SIDE-PKT / V1-FRONT-PKT
Color	Black, Navy, Tan, Olive, Red, Royal Blue, Hi-Viz
Sizes	Custom Sizes
Configuration	Neutral (Male, Female), Structured
Armor Panel Access	Interior horizontal bottom loading zipper with zipper garage
Outer Material	100% Nylon 500 Denier INVISTA CORDURA® with PU coating
Inner Material	Thermoregulating ribbed channel spacer mesh liner
Type of Plate Pocket	Front loading, back top loading: 5x8, 7x9, 8x10 plates
Strap System	Clamshell High Profile Velcro® Brand hook and loop for adjustable shoulders and sides
Pockets/Pouches	Laser cut webless MOLLE pouches (Mag, Radio, OC Spray, Baton/Flashlight) Plus: 8 hidden pockets (Side Opening version) Plus: 9 hidden pockets (Front Opening version)
Armor Features	<ul style="list-style-type: none"> • Custom clean 1.75" laser cut MOLLE for large clips • Laser cut MOLLE allows for VIEVU camera, chest, shoulder placement • Laser cut webbing for mic attachment on shoulders • Laser cut webless MOLLE pouches (Mag, Radio, OC Spray, Baton, Flashlight) in lightweight durable construction • 100% Nylon 500 Denier INVISTA CORDURA® shell fabric • Removable ID pull down tabs • Custom configured embellishment options • Front left and right hidden side pockets with internal handcuff pouches • Two 5" Note book pockets • Quick access angled hidden gun welt pocket (Front Opening version) • Clamshell High Profile Velcro® Brand hook and loop for adjustable shoulders and sides • High Profile Velcro® Brand hook and loop throughout for extra strength and durability • Front loading plate pocket • Back top loading plate pocket • Discreet zippers for panel insertion, with zipper garage • Clean reverse zipper construction • Ribbed channel spacer cooling mesh liner throughout • Back neck hidden drag strap (total length 41 in), pull strength up to 393 lbs • Ergonomic textured zipper pulls • Medical grade soft flexible breathable detachable elastic cummerbund • Front zipper opening (convenient on and off) and traditional side opening available



IMPAC-HT [Handgun Threat] Plate Bid Specification

1. Scope:

The scope of this product specification provides information relating to the PROTECH® IMPAC-HT 5" x 8" [Handgun Threat] special threat plate manufactured by Safariland™.

2. Research, Development, and Manufacturing:

The manufacturer (Safariland™) of the special threat plate solely performs the research, development, and manufacturing capabilities described below. Other manufacturers of special threat plates that have outsourced similar capabilities shall be deemed as inferior.

Capabilities	Internal	Out Sourced
Soft Armor Research and Development	X	
Hard Armor Research and Development	X	
Soft and Hard Armor Ballistic, Stab and Fragmentation Testing	X	
Soft and Hard Armor Non-Destructive and Destructive Testing	X	
Carrier Research and Development	X	
Domestic Soft and Hard Armor Manufacturing Facilities	X	
Domestic and International Carrier Manufacturing Facilities	X	

3. Plate Design (Size/Weight/Ballistic Coverage Capability):

The PROTECH® IMPAC-HT [Handgun Threat] special threat plate measures 5" x 8" [12.7 cm x 20.32 cm] in size, is 0.25" [0.64 cm] thick, weighs 0.3 [0.14 kg] pounds, and offers 40 in² [258 cm²] (total area) of ballistic coverage. All numeric figures listed in the previous sentence are approximate.

4. Plate Design (Material Construction):

The PROTECH® IMPAC-HT [Handgun Threat] special threat plate has the following design features related to material construction:

Feature(s)	Definition(s)	Benefit(s)
Uni-Directional Polyethylene Material	A semi-rigid, advanced composite, uni-directional high performance fiber material used as the primary ballistic element of the special threat plate	Provides excellent ballistic (handgun) resistance properties during impact (energy absorption) and after the ballistic engagement (energy dispersion/back face deformation reduction)
Diamond Rip Stop Nylon Outer Cover Material (Bagged)	A durable, abrasion resistant, cut, tear, and water resistant material used for the exterior outer cover of the special threat plate.	Provides a durable, water resistant material to protect the ballistic resistant material - in addition, it resists the negative effects of exposure to high temperatures and "dry-rotting." Maintains color over time and resists discoloring when exposed to abrasion and wear.

4. Plate Design (Shape):

The PROTECH® IMPAC-HT [Handgun Threat] special threat plate has the following design features related to shape:

Feature(s)	Definition(s)	Benefit(s)
Rectangle Cut	A rectangular cut used as the shape design of the plate	Provides increased mobility and range of motion to the wearer's arms when situated in a shooting stance
Single-Curvature	A 14-degree radius, in the form of a top to bottom curvature, incorporated into the shaped design of the plate	Provides a more natural, comfortable fit to the wearer's body

SAFARILAND.

ARMOR

TECHNICAL SPECIFICATION MAP

Test Standard	NIJ Standard: 0101.06
Description	Soft Trauma Insert
Model	SBA-MAP
Design	
Configuration	Neutral
Armor Material	Kevlar / Twaron 840D Aramid Fabric
Armor Panel Covering	Gore-Tex
Performance	
Areal Density	0.467 lbs/ft ² (2.28 kg/m ²)
Thinness	~0.25" (6.4 mm)
New V50 – 9 mm FMJ RN 124 gr.	>1000 fps (>304.8 m/s)