



March 17, 2022

**STATE OF ALABAMA
COUNTY OF SHELBY**

Sealed Bids for BALLISTIC VEST

Sealed bids for BALLISTICK VESTS will be received in the office of the County Manager, Shelby County Administration Building, 200 West College St., Room 123, Columbiana, Alabama 35051, until April 5, 2022 **2:30 p.m.** at which time bids will be publicly opened and read. The Shelby County Commission reserves the right to reject any or all bids and to waive informalities in awarding this bid to the lowest 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. If you have any questions concerning this bid, please contact Jay Fondren at jfondren@shelbyso.com.

GENERAL INFORMATION

All bidders must use our form for submitting their bids. All bids must be sealed and marked in the lower left 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 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.

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.

DISQUALIFICATION OF BIDS

Bids may be disqualified before awarding 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.

All awarded vendors must provide Immigration Law Compliance Documents found on the Shelby County website at www.shelbval.com.

Please include one original bid response and two copies in your submittal.

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.


Chad Scroggins
County Manager

The undersigned offers these prices, terms and delivery as per stated specifications.

Name of Company: _____

Signature: _____

Print Name: _____

Address: _____

Phone: (Include area code) _____ Email: _____

Sworn to and subscribed before me this

The _____ day of _____, 2022

Notary Public

My Commission Expires: _____.



John Samaniego, Sheriff

Specifications for Ballistic Vest Bid
March 16, 2022

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022

Table of Contents

1.0	Scope	page 2
2.0	General Minimum Requirements	page 3
2.1	Quality Requirements	page 3
2.2	Origin of Manufacture	page 4
3.0	Design Requirements	page 4
3.1	General Design and User Coverage	page 4
4.0	Ballistic Panels	page 4
5.0	Ballistic Vest Carrier	page 4
6.0	Quality Control and Product Consistency	page 4
6.1	Product Consistency	page 4
6.2	Serialization	page 5
6.3	Fiber and Fabric Properties	page 5
6.4	Manufacturer Property Checks	page 5
6.5	Continued Performance	page 5
6.6	Plant Inspections	page 5
7.0	Product Warranty and Custom Fit	page 5
7.1	Custom Fit	page 5
7.2	Fit Guarantee	page 5
7.3	Packaging	page 6
7.4	Delivery	page 6
8.0	Insurance Requirements	page 6
9.0	Proof of Stability	page 6
10.0	References	page 6
11.0	Protest	page 6
12.0	Optional Design Requirements	page 6
	Hard Armor Plates	page 6
	Trauma Pads and Plates	page 6
	Bid Sheet	page 7
	Appendix #1- #5	page 8-18

1. O 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 II**

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022

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 II 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 titled "**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.

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022

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 (Level II). The bid specifications for ballistic panels are listed in appendix 1. The specifications for the hard trauma and soft panel plates are listed in appendix 4 and appendix 5.

5.0 BALLISTIC VEST CARRIER:

Bids for two ballistic vest carriers must be included by the successful bidder. The carriers are described as Safariland models M2, and V1 Side pocket/Front pocket. The bid specifications for these carriers are listed in appendix 2 and appendix 3.

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

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022

original certification for verification and/or inspection. **No substitutions will be allowed without the prior written approval of the Sheriff's Office.**

6.2 SERIALIZATION: All vests 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.

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022

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

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.

12.0 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.

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022

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 Level II	\$ _____
Safariland SX-02F (Female) Vest Level II	\$ _____
Safariland M2 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

APPENDIX #1

SPECIFICATIONS FOR: SAFARILAND BALLISTIC VEST SX BA-2000S-SX02/(F) LEVEL II

Shelby County Sheriff's Office
 Bid Specifications for Bullet Resistant Vests- 03/16/2022

SAFARI LAND
 ARMOR



SX™ BA-2000S-SX02 - Technical Specification

Test Standard	NIJ Standard: 0101.06
Threat Type	Ballistic Level II
Model	BA-2000S-SX02
Design	Neutral
Configuration	
Armor Material	Honeywell® Spectra®, DuPont™ Kevlar®, SAATI
Armor Panel Covering	Dual Covered, 2 Ply, 70 Denier Textured Nylon Ripstop with TPU Lamination System
Performance	
Areal Density	0.59 lbs/ft ² (2.86 kg/m ²)
Thickness	0.160 in (4.06 mm)
New V50 – 9 mm FMJ RN 124 gr.	1817 ft/s (554 m/s)
Conditioned V50 – 9 mm FMJ RN 124 gr.	1757 ft/s (536 m/s)
New V50 – .357 Mag JSP 158 gr.	1699 ft/s (518 m/s)
Conditioned V50 – .357 Mag JSP 158 gr.	1575 ft/s (480 m/s)
Backface Average – 9 mm FMJ RN 124 gr.	30.4 mm
Backface Average – .357 Mag JSP 158 gr.	34.80 mm
RPI - 9 mm FMJ RN 124 gr.	3080
RPI - .357 Mag JSP 158 gr.	2880

Additional Special Threats

- Meets/Exceeds Requirements of FBI Body Armor Test Protocol
- Winchester Ranger T-Series, 9mm, 127 gr. +P+SXT (RA9TA) – 1300 ± 30 ft/s (396 ± 9 m/s)
- Winchester Ranger T-Series, 40 S&W 165 gr. SXT (RA40TA) – 1230 ± 30 ft/s (374 ± 9 m/s)
- Speer .357 Sig, 125 gr. GDHP (23918) – 1465 ± 30 ft/s (446 ± 9 m/s)
- Federal 9mm, 124 gr. +P HST (P9HST3) – 1300 ± 30 ft/s (396 ± 9 m/s)
- FN 5.7x28mm, 40 gr. SS197 Sporting Round, Blue Tip Hornady V-Max Bullet – 1750 ± 50 ft/s (533 ± 9 m/s)

Special threats tested at an independent certified NIJ laboratory in accordance with Modified / Abbreviated NIJ 0101.06 Standard IAW Sec. 7.8.1 unless otherwise specified.

2 May 2017

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.

Rev. 0

SAFARI LAND

APPENDIX #2

SPECIFICATIONS FOR: M-2 (6713M) Carrier

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022



M-2 (6713M) Technical Specification

Brand	SBA
Model	M2 (6713)
Color	Black, Navy White, Tan, Olive, Light Blue, Grey
Sizes	Custom Sizes
Configuration	Male
Armor Panel Access	Bottom Front Zipper
Outer Material	100% Nylon Hex Ripstop and 100% Nylon Loop
Inner Material	Ant-microbial Wicking Mesh Liner of 100% Nylon Tricot Knit Mesh
Type of Plate Pocket	5x8 7x9
Strap System	Removable Elastic Straps
Tails	Yes
Armor Features	<ul style="list-style-type: none">• New removable welded elastic strap kit system• Strategically located ergonomic medium profile hook and loop channels for easy fastening and removal• External top loading front and rear plate pockets• No binding "Zero Edge" for improved comfort and reduce bulk around perimeter of carrier• Zipper opening for easy installation of ballistic panels• 100% nylon hex ripstop and 100% nylon loop materials• Antimicrobial moisture wicking mesh liner of 100% nylon tricot knit mesh

1 of 2

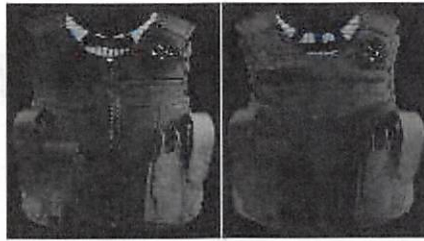
These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

APPENDIX #3

SPECIFICATIONS FOR: V-1-Side-PKT /V-1-Front-Pkt Carrier

Shelby County Sheriff's Office
 Bid Specifications for Bullet Resistant Vests- 03/16/2022

SAFARILAND
ARMOR



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 Laser cut webless MOLLE pouches (Mag, Radio, OC Spray, Baton/Flashlight)
Pockets/Pouches	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 well 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

10 April 2017

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.

Rev. 0

SAFARILAND

APPENDIX #4

SPECIFICATIONS FOR: ProTech IMPAC-HT Hard Armor Tactical Plate

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022


PROTECH
TACTICAL
TECHNICAL SPECIFICATION

IMPACT™ - HT
Handgun Threat



General

Test Standard(s)	Independently Tested
Description	Special threat plate against handgun threats
Part ID/Sizes (approx.)	<ul style="list-style-type: none">- 5" x 7" (12.7 cm x 17.8 cm) – 1001618- 5" x 8" (12.7 cm x 20.3 cm) – 1001628- 7" x 6" [Upper Arm] (17.8 cm x 15.2 cm) - 1156827- 7" x 8" [Upper Arm] (17.8 cm x 22.9 cm) – 1154466- 7" x 9" (17.8 cm x 22.9 cm) – 1001665- 10" x 12" (Rectangle) (25.4 cm x 30.5 cm) – 1030639- 10" x 12" (Shooters) (25.4 cm x 30.5 cm) - 1001635

Design –

Armor Material	Uni-directional polyethylene
Armor Plate Covering	Diamond Rip-stop Nylon (Bagged)

Shelby County Sheriff's Office
 Bid Specifications for Bullet Resistant Vests- 03/16/2022



TECHNICAL SPECIFICATION

IMPAC™ - HT Handgun Threat

Weight (approx.)	<ul style="list-style-type: none"> - 5"x7" - 0.25 lbs. (0.1 kg) - 5" x 8" - 0.3 lbs. (0.1 kg) - 7" x 8" - 0.45 lbs. (0.2 kg) - 7" x 9" - 0.5 lbs. (0.2 kg) - 10" x 12" Rectangle - 0.8 lbs. (0.4 kg) - 10" x 12" Shooters - 0.7 lbs. (0.3 kg)
Thickness (approx.)	0.25" (1.0 cm)
Curvature	Single
Cut	<ul style="list-style-type: none"> - 5"x7" - Rectangle - 5" x 8" - Rectangle - 7" x 6" - Rectangle (Upper Arm) - 7" x 8" - Rectangle (Upper Arm) - 7" x 9" - Rectangle - 10" x 12" - Rectangle - 10" x 12" Shooters

Performance - Threats tested on separate plates

Speer .357 Sig, 125 gr. FMJ	1470 ± 30 fps (448 ± 9 mps) - 3 impacts per plate
Speer .44 Mag, 40 gr. SJHP	1370 ± 30 fps (418 ± 9 mps) - 3 impacts per plate
Win. 9 mm +P+, 127 gr. SXT	1250 ± 30 fps (381 ± 9 mps) - 3 impacts per plate
Speer .357 Sig, 125 gr. GDHP	1375 ± 30 fps (419 ± 9 mps) - 3 impacts per plate
Norinco 7.62x25mm Tokarev, 85 gr. FMJ	1530 ± 30 fps (466 ± 9 mps) - 3 impacts per plate
FN 5.7x28mm, 28 gr. SS195LF (Belgium)	2092 ± 30 fps (638 ± 9 mps) - 3 impacts per plate
FN 5.7x28mm, 40 gr. SS197 (Blue Tip)	1712 ± 30 fps (522 ± 9 mps) - 3 impacts per plate

APPENDIX #5

SPECIFICATIONS FOR: Safariland Soft Trauma Insert

Shelby County Sheriff's Office
Bid Specifications for Bullet Resistant Vests- 03/16/2022

SAFARILAND
ARMOR
TECHNICAL SPECIFICATION STP

Test Standard	NIJ Standard: 0101.05
Description	Soft Trauma Insert 5x7 or 5x8
Model	SBA-STP
Design	
Configuration	Neutral
Armor Material	Kevlar / Ticon B40D Aramid Fabric
Armor Panel Covering	Gore-Tex
Performance	
Area Density	0.447 lb/ft ² (2.28 kg/m ²)
Thickness	~0.25" (5.4 mm)
New VBS - 9 mm FMJ FBI 124 gr.	>1000 lps (>304.6 m/s)

1 December 2016

Page 4

EXPORT CONTROLLED DATA.
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.

SAFARILAND