

BID NUMBER PA-01408

TO: CITY OF LONG BEACH
CITY MANAGER
ATTN: CITY CLERK
333 West Ocean Boulevard, Plaza Level
Long Beach, California 90802



INVITATION TO BID

UPDATED

**UNIFORMS, ACCESSORIES & MISCELLANEOUS
EQUIPMENT (POLICE DEPARTMENT)**

CONTRACT NO. 32483

1. COMPLETE CONTRACT:

This Invitation to Bid, together with THE NOTICE INVITING BIDS, the entire Bid (including Specifications), or any items(s) thereof, the signature page, Instructions to Bidders, General Conditions, Special Conditions, Bid Section, Addendums, and when required, CONTRACTOR'S BOND shall become the Contract upon its acceptance by the City Manager or designee on behalf of the City of Long Beach, Contractor will be provided with a copy of the executed Contract. All materials or services provided by the Contractor shall comply with the City Charter, and all applicable Federal, State and City Laws.

2. SERVICES TO BE PROVIDED BY THE CONTRACTOR:

Contractor shall upon acceptance of this Bid by the City, furnish the goods and services herein specified according to the terms and conditions set forth herein.

3. AMOUNT TO BE PAID:

The City shall pay Contractor for the goods or services as described in the section entitled "PAYMENT" in the Instructions to Bidders.

4. CHOICE OF ALTERNATE PROVISIONS; OPTIONS; NOTIFICATION:

When alternative provisions are requested, or options are offered, Contractor will be notified as to which provision, or option, is being accepted at the same time that he is notified that he is the successful Bidder.

5. DECLARATION OF NON-COLLUSION:

The undersigned certifies or declares under penalty of perjury that this Bid is genuine and not sham or collusive, or made in the interest or on behalf of any person or entity not herein named; that the Bidder has not directly or indirectly induced or solicited any other Bidder to submit a sham bid, or any other person or entity to refrain from bidding, and that the Bidder has not in any manner sought by collusion to secure to himself any advantage over other Bidders.

BIDDER MUST COMPLETE AND SIGN BELOW:

(Signature of Corporate Officers or persons authorized to sign bids and contracts on behalf of the Contractor – refer to page 2 Instructions Concerning Signatures.)

EXECUTED AT: Long Beach, CA **ON THE** 14th **DAY OF** November, **20** 11
CITY STATE MONTH

COMPANY NAME: Galls, an ARAMARK Company, LLC **TIN:** [REDACTED]
(FEDERAL TAX IDENTIFICATION NUMBER)

STREET ADDRESS: 2789 Long Beach Boulevard **CITY:** Long Beach **STATE:** CA **ZIP:** 90806

PHONE: (562) 424-4646 **FAX:** (562) 424-4654

S/ [Signature] **President**
(SIGNATURE) (TITLE)

Larry Dismukes dismukes-larry@galls.com
(PRINT NAME) (EMAIL ADDRESS)

S/ _____
(SIGNATURE) (TITLE)

(PRINT NAME) (EMAIL ADDRESS)

**ALL SIGNATURES MUST BE NOTARIZED FOR ALL COMPANIES LOCATED OUTSIDE THE STATE OF CALIFORNIA.
NO OUT-OF-STATE BID WILL BE CONSIDERED UNLESS A NOTARIAL ACKNOWLEDGMENT IS ATTACHED.
NOTARIES ARE NOT REQUIRED FOR CALIFORNIA BIDDERS.**

IN WITNESS WHEREOF the City of Long Beach has caused this contract to be executed as required by law as of the date stated below.

THE CITY OF LONG BEACH
BY [Signature]
Director of Financial Management

2/24/12
Date

APPROVED AS TO FORM February 22, 2012
ROBERT E. SHANNON
CITY ATTORNEY
[Signature]
Deputy

The City of Long Beach is committed to provide maximum opportunities for Disadvantaged, Minority, Women, Long Beach and Other Business Enterprises (DBEs, MBEs, WBEs, LBBEs and OBEs) to compete successfully in supplying our needs for products and services.

The following information is submitted regarding the Bidder:

Legal Form of Bidder:

- Corporation State of _____
- Partnership State of _____
- General Limited
- Joint Venture
- Individual DBA _____
- Limited Liability Company State of Delaware

Composition of Ownership (more than 51% of ownership of the organization):

OPTIONAL

Ethnic (Check one):

- Black Asian Other Non-white
- Hispanic American Indian Caucasian

Non-ethnic Factors of Ownership (check all that apply):

- Male Yes - Physically Challenged Under 65
- Female No - Physically Challenged Over 65

Is the firm certified as a Disadvantaged Business: Yes No

Has firm previously been certified as a minority-owned and/or woman-owned business enterprise by any other agency?

- Yes No

Name of certifying agency: _____

INSTRUCTIONS CONCERNING SIGNATURES

Please use the proper notary form, which applies to your type of organization on all Bid documents, attachments and bonds requiring a signature by officers of your company.

NOTE: FAILURE TO COMPLY MAY RESULT IN DISQUALIFICATION OF YOUR BID.

INDIVIDUAL (Doing Business As)

- a. The only acceptable signature is the owner of the company. (Only one signature is required.)
- b. The owner's signature must be notarized if the company is located outside of the state of California.

PARTNERSHIP

- a. The only acceptable signature(s) is/are that of the general partner or partners.
- b. Signature(s) must be notarized if the partnership is located outside of the state of California.

CORPORATION

- a. Two (2) officers of the corporation must sign.
- b. Each signature must be notarized if the corporation is located outside of the state of California.

OR

- a. The signature of one officer or the signature of person other than an officer is acceptable if the Bid is accompanied by a certified corporate resolution granting authority to said person to execute contracts on behalf of the corporation.
- b. Signature(s) must be notarized if the corporation is located outside of the state of California.

LIMITED LIABILITY COMPANY

- a. The signature on the Bid must be a member or, if the Articles provide for a manager, must be the manager. (Only one signature is required.)
- b. Signature must be notarized if the company is located outside of the state of California.

THIS INFORMATION IS AVAILABLE IN AN ALTERNATIVE FORMAT BY CONTACTING 562-570-6362.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of Kentucky

County of Fayette

On Nov 14, 2011 Before me, Nancy Faulconer, Notary Public
DATE NAME/TITLE OF OFFICER - E.G. "JANE DOE, NOTARY PUBLIC"

Personally appeared LARRY Dismukes
NAME(S) OF SIGNER(S)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy Faulconer - 5/3/14
SIGNATURE OF NOTARY

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

DESCRIPTION OF ATTACHED DOCUMENT

- INDIVIDUAL
- CORPORATE OFFICER
- PARTNER(S) TITLE(S)
 - LIMITED
 - GENERAL
- ATTORNEY-IN-FACT
- TRUSTEE(S)
- GUARDIAN/CONSERVATOR
- OTHER:

TITLE OR TYPE OF DOCUMENT

NUMBER OF PAGES

DATE OF DOCUMENT

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES):

SIGNER(S) OTHER THAN NAMED ABOVE

INSTRUCTIONS TO BIDDERS

1. PREPARATION OF BID:

The preparation of the Bid, including visits to the Site prior to submittal of the Bid, shall be at the expense of Bidder. All prices and notations must be typewritten or written in ink. Any markings in pencil shall not form part of the Bid and shall be disregarded by the City. Any changes or corrections in the Bid must be initialed in ink by the person signing the Bid. Bidder shall state brand name or make of each item bid. If not bidding on item as described, the manufacturer's name and catalog number of the substitute must be given. Bidder shall also attach specifications and furnish other data to establish the suitability of the substitute. Bidder shall quote separately on each item. Bidder shall quote his lowest price and best delivery date as no changes are permitted after the bid opening. Cash discounts offered for payment within fourteen (14) days or less will not be considered when evaluating bids. No telephonic, telegraphic or fax Bids are acceptable.

NOTE: ALL PAGES OF THE INVITATION TO BID MUST BE RETURNED.

2. EXAMINATION OF BID:

Bidder is responsible for examining the Invitation to Bid and submitting its Bid complete and in conformance with these instructions.

3. CONDITIONS OF WORK:

Bidder shall carefully examine the Site to become fully informed regarding all existing and expected conditions and matters, which could affect performance, cost or time of the Work.

4. DISCREPANCIES IN BID DOCUMENTS:

If Bidder finds discrepancies in or omissions from the Invitation to Bid, if the intent of the Invitation is not clear, or if provisions of the Specifications restrict Bidder from bidding, he may request in writing that the deficiency(s) be modified. Such request must be received by the City Purchasing Agent at least five (5) working days before bid opening date. Bidders will be notified by Addendum of any approved changes in the Invitation to Bid.

5. ORAL STATEMENTS:

The City of Long Beach shall not be bound by oral statements made by any employee or agent concerning this Invitation to Bid. If Bidder requires specific information, Bidder must request it in writing and obtain a reply in writing from the City.

6. BRAND NAMES AND SPECIFICATIONS:

The detailed specifications and/or brand names stated are descriptive only and indicate quality, design and construction of items required. **Offers will be considered to supply articles substantially the same as those described herein but with minor variations. Bidders must describe variations in the Bid.** Substitute items must be equal in quality, utility and performance. **The phrase "or approved equal" throughout the specifications means that the City in its sole and absolute discretion shall make the final determination whether or not the substitute items are equal.**

7. AWARD:

Bid shall be subject to acceptance by the City for a period of three (3) months unless a lesser period is prescribed in the quotation by Bidder. The City reserves the right to award all items to one Bidder, or to award separate items or groups of items to various Bidders, or to increase or decrease the quantities of any item. Bidder may submit alternate prices or name a lump sum or discount conditional on two or more items being awarded to him.

The City's purchases of goods and services are based on the City's actual needs and requirements. The City is obligated under this contract/purchase order to purchase and pay for only those goods and services that the City needs and requires, and that the City actually orders and receives. Any dollar amount identified as a "not to exceed:" amount in any City document is not a guaranteed payment amount to any contractor or service provider. Furthermore, the City may determine that its needs and requirements may be met by City labor or by a second contractor or service provider, even after an award is made to one contractor or service provider. An award is not a promise or guarantee of exclusivity.

Bidders are cautioned that comments and statements, whether oral or written, made by City employees regarding the validity of Bids, the waiver of deviations from Specifications, the possibility or probability of an award being made to a particular Bidder, and other similar matters are NOT binding on the City. Bidders should not order materials, obtain financing or take other actions based on such comments and statements. Only authorization of a Contract by the City Council or issuance of a Purchase Order is conclusive and binding on the City with respect to this Bid and its resulting Contract or Purchase Order. However, prior to authorization by the City Council or issuance of the Purchase Order, Bidders may rely on: (1) approval of an "equal" or "substitute" item which will be issued in writing, and (2) written notice of intent to award by the City Council, which is often issued prior to the authorization by the City Council so that a Bidder can order materials that have a long lead time.

8. PAYMENT:

Payment terms are NET/30 unless Bidder otherwise quotes. All Cash Discounts shall be taken and computed from the date of delivery or completion and acceptance of the material, or from date of receipt of invoice, whichever occurs last. Invoices must be submitted as specified at the time of shipping authorization. Partial payments may be made by the City on delivery & acceptance of goods and on receipt of goods and on receipt of Contractor's invoice.

In the event the Contract to be awarded hereunder, including specifications and other documents incorporated therein by reference, provides for the withholding of moneys by the City to ensure performance of such Contract, Contractor may deposit with the City, as a substitute for said withheld moneys, securities listed in Section 16430 of the California Government Code or bank or savings and loan certificates of deposit, or both, equivalent to the amount withheld, provided Contractor requests permission to make such substitution and bears all expenses in connection therewith.

9. SAFETY APPROVAL:

Where required by City Regulations, any items delivered must carry Underwriters Laboratories Approval or City of Long Beach City Safety Officer approval. Failure to so comply will be cause to reject Bid. Also, any equipment must conform with the Safety Orders of the California Division of Industrial Safety and OSHA regulations.

INSTRUCTIONS TO BIDDERS

10. PUBLIC WORK AND PREVAILING WAGES:

In the performance of public work under any Contract, Contractor shall comply with the provisions of Standard Specifications for Public Works Construction, latest edition, and City of Long Beach Amendments thereto. Where labor is required for public work as part of this Contract, Contractor shall pay no less than the prevailing wages set by the Director of the Department of Industrial Relations of the State of California. A copy of the wage schedule can be obtained from the City Engineer.

The Director of Public Works of the City by and on behalf of the City Council has obtained from the Director of the Department of Industrial Relations of the State of California the general prevailing rate of per diem wages and the general prevailing rate of holiday and overtime work in the locality in which the public work is to be performed for each craft, classifications or type of workers needed to execute the Contract, and the same is on file with the City Engineer, 9th floor, City Hall, 333 W. Ocean Boulevard, Long Beach, California 90802. It shall be mandatory upon the Contractor to whom the Contract is awarded, and his Subcontractors to pay not less than the said prevailing rate of wages to all workers employed by Contractor or said Subcontractors in the execution of the Contract.

11. RIGHT TO REJECT:

The City reserves the right to reject at any time any or all Bids, or parts thereof, and to waive any variances, technicalities and informalities which do not impair the quality, utility, durability or performance of the items.

12. SAMPLES:

Samples of items when requested or required must be furnished to the City free of expense to the City and, if not destroyed by tests, will upon request be returned at Bidder's expense.

13. PRICES:

Prices shall be in accordance with those extended to other governmental agencies. In case of error in extension of prices, unit price will govern. All prices must be firm for the Contract term unless the City specifically provides for adjustment.

14. CITY'S POLICY FOR MINORITY AND WOMEN-OWNED BUSINESSES:

The City of Long Beach is committed to providing maximum opportunities for Disadvantaged, Minority, Women, Long Beach and Other Business Enterprises (DBEs, MBEs, WBEs, LBEs, and OBEs) to compete successfully in supplying our needs for products and services.

Please visit <http://www.longbeach.gov/diversity> for more information on the City's Diversity Outreach Program.

SUBCONTRACTORS

To assist the City in maintaining records of its Minority and Women Outreach Program, Bidder is requested to provide the following information. Answers are optional, and failure to answer will not disqualify Bid. If additional space is required, Bidder shall attach a separate sheet.

The following Minority- or Woman-owned subcontractors are to be utilized to provide equipment, material, supplies and/or services for this Contract requirement:

Company Name: _____

Address: _____

Commodity/Service Provided: _____

Circle appropriate designation: MBE WBE

Ethnic Factors of Ownership: (more than 51%)

Black () American Indian ()
Hispanic () Other Non-white ()
Asian () Caucasian ()

Certified by: _____

Valid thru: _____

Dollar value of participation: \$ _____

15. BID SUBMITTAL AND WITHDRAWAL OF BIDS:

Each Bid must be delivered to the location and received on or before the due date and time stated herein. Bids will not be accepted after the date and time stated herein. Bids may be withdrawn without prejudice providing the written request is received by the City Clerk no later than the time set for opening Bids. Withdrawals will be returned to Bidder unopened. Failure to respond to three (3) Invitations to Bid without reason may constitute cause to remove Bidder's name from the bidding list.

SUBMIT TO:
CITY OF LONG BEACH
CITY CLERK
333 W OCEAN BLVD/PLAZA LEVEL
LONG BEACH CA 90802

BID DUE DATE: November 3, 2011

TIME: 11:00 am

IF BIDDER HAS ANY QUESTIONS REGARDING THIS INVITATION TO BID PLEASE CONTACT THE FOLLOWING CITY PERSONNEL.

A. COMMERCIAL (TERMS AND CONDITIONS, ETC)

REGINA BENAVIDES (562) 570-6164
BUYER TELEPHONE NUMBER

B. TECHNICAL (SPECIFICATIONS, DRAWINGS, ETC.)

BILLY QUACH (562) 570-5890
KAREN OWENS (562) 570-7310
DEPARTMENT CONTACT TELEPHONE NUMBER

16. BID OPENING PROCEDURES:

All Bids will be publicly opened and read at the date and time specified in Instructions to Bidders, item 15.

It is our policy **not** to release price information on these Bids until the department has reviewed them and award has been approved by the City Council and the City Attorney. At that time, the information becomes public. You are welcome to review the results at that time by calling the buyer that handled that Bid and setting up an appointment. Due to the large volume of Bids received, Bid results will **not** be given out by phone and information will not be faxed.

After the Purchasing Division has analyzed the Bids, the name of the apparent low Bidder will be posted on the Internet for a period of one (1) month, together with the rankings of the top three Bidders. These rankings will not contain price information.

CAUTION: Only the City Council has authority to make an award, and a contract is not in effect until the City Council makes an award and contract documents (including insurance and bonds) are signed, submitted and approved.

Bid protest procedures may be obtained from the Buyer. Protests must be submitted within seven (7) calendar days after the date of

INSTRUCTIONS TO BIDDERS

the Bid opening.

17. INTER-AGENCY PARTICIPATION:

IF OTHER AGENCIES EXPRESS AN INTEREST IN PARTICIPATING IN THIS BID, WOULD YOU SUPPLY THE SAME ITEMS.

YES X NO

(If yes, any agency electing to participate in this Bid will order its own requirements without regard to the City of Long Beach. The City of Long Beach assumes no liability or payment guarantee on any units sold to participating agencies.)

18. AMERICANS WITH DISABILITIES ACT:

Contractor shall have and be allocated the sole responsibility to comply with the Americans with Disabilities Act of 1990 ("ADA") with respect to performance hereunder and contractor shall defend, indemnify and hold the City, its officials and employees harmless from and against any and all claims of failure to comply with or violation of the ADA as said claim relates to this Contract.

CONTRACT – GENERAL CONDITIONS

1. Acceptance of the offer contained in this Contract is expressly limited to the terms and conditions of such offer as herein stated.
2. No charges for taxes, transportation, boxing, packaging, crating or returnable containers will be allowed and paid by the City unless separately stated hereon. All sales, use, excise or similar taxes to be paid by the City must be itemized separately hereon and on invoices. The City is exempt from payment of Federal Excise Tax under Certificate No. 95-73 0502K and none shall be charged to the City.
3. The City's obligation to pay the sum herein stated for any one fiscal year shall be contingent upon the City Council of the City appropriating the necessary funds for such payment by the City in each fiscal year during the term of this Contract. For the purposes of this section a fiscal year commences on October 1 of the year and continues through September 30 of the following year. In the event that the City Council of the City fails to appropriate the necessary funds for any fiscal year, then, and in that event, the Contract will terminate at no additional cost or obligation to the City.
4. Contractor shall deliver the materials, equipment, supplies or services, or cause the work to be performed, within the time and in the manner specified in the Contract. Times and dates stated herein are of the essence. If at any time Contractor has reason to believe that deliveries will not be made as scheduled, written notice setting forth the cause of the anticipated delay shall be given immediately to the City. Deliveries must be prepaid. C.O.D. shipments will not be accepted.
5. The City reserves the right at any time to make changes in drawings and specifications, in methods of shipment and packaging and in place of delivery as to any articles covered by this Contract. In such event there will be made an equitable adjustment in price and time of performance mutually satisfactory to Contractor and the City; but any claim by Contractor for such an adjustment must be made within thirty (30) days of such change.
6. Contractor warrants that the goods, machinery or equipment delivered or the work performed hereunder shall conform to the specifications, drawings, samples or other description specified by the City and shall be fit and sufficient for the purpose intended, merchantable, of good material and workmanship, in good working order and free from defect or faulty workmanship for a period of ninety (90) days. When defective goods, machinery, or equipment or faulty workmanship is discovered which requires repair or replacement pursuant to this warranty, Contractor shall provide all labor, materials, parts and equipment to correct such defect at no expense to the City.
7. Contractor shall defend, indemnify and hold the City, its officials and employees harmless from any and all loss, damage, liability, demands, claims, causes of action, costs and expenses (including reasonable attorney' fees) for injuries to persons (including death) or damage or destruction of property connected with or arising from the negligent acts or omissions of Contractor, its officers, agents and employees in the performance of this Contract.
8. The City reserves the right to terminate this Contract at any time in whole or in part even though Contractor is not in default hereunder. In such event there will be made an equitable adjustment of the terms that is mutually satisfactory to the City and Contractor. Upon receipt of any notice of such termination, Contractor shall, unless such notice otherwise directs, immediately discontinue all work on the Contract and deliver, if and as directed, to the City all completed and partially completed articles, work in process and materials purchased or acquired for performance of the Contract. The provisions of this section shall not limit or affect the right of the City to terminate this Contract immediately upon written notice of breach.
9. The City reserves the right to cancel this Contract or any part thereof and reject delivery of goods if delivery is not undertaken and completed when specified and in accordance with specifications. Contractor shall be charged for any direct losses, but not any consequential damages, sustained by the City by reason of such delay or failure, excepting losses caused by a delay for reasons beyond Contractor's reasonable control. Direct losses shall include any costs to the city in excess of the Contract price of obtaining goods from other sources similar to those cancelled or rejected hereunder.
10. The City shall pay to Contractor the price(s) specified in the Contract on delivery of the materials, equipment, supplies or services and acceptance thereof by the City Manager or his designee, or upon completion of the work to be performed and accepted thereof, as specified in the Contract. Defective articles or articles not in accordance with the City's specifications shall be held for Contractor's instructions at Contractor's risk, and if Contractor so directs will be returned at Contractor's expense.
11. No return or exchange of material, equipment or supplies shall be permitted without written approval of the City Purchasing Agent.
12. All royalties for patents, or changes for the use of patents, which may be involved in any article to be furnished under this Contract shall be included in the Contract price.
13. In cases where a price subject to escalation has been agreed upon, the price escalation shall be shown as a separate item on the invoice. Unless an escalator clause has been shown as a specific part of this Contract Contractor shall not be entitled to reimbursement for costs incurred due to escalation.

CONTRACT – GENERAL CONDITIONS

14. All materials, supplies and equipment provided under this Contract shall be in full compliance with the Safety Orders and Regulations of the Division of Industrial Safety of the State of California, Title 8, California Code of Regulations (CAL/OSHA) and all applicable OSHA regulations as well as all other applicable California Code of Regulations. Contractor shall indemnify and hold the City, its officials, and employees harmless for, of and from any and all loss, including but not limited to fines, penalties and corrective measures, the City may sustain by reason of Contractor's failure to comply with said laws, rules and regulations in connection with the performance of this Contract.
15. Contractor shall keep confidential and not disclose to others or use in any way to the detriment of the City confidential business or technical information that the City may disclose in conjunction with this Contract or Contractor may learn as a result of performing this Contract.
16. This Contract shall not be assigned in whole or in part, nor any duties delegated without the City's prior written approval.
17. The remedies herein reserved shall be cumulative and additional to any other remedies at law or in equity. The waiver of any breach of this Contract shall not be held to be a waiver of any other or subsequent breach. The City's failure to object to provisions contained in any communication from Contractor shall not be deemed an acceptance of such provisions or a waiver of the provisions of this Contract.
18. This Contract shall not be amended or modified, except by written agreement signed by the parties and expressly referring to this Contract.
19. Contractor shall indemnify, hold harmless and defend the City, its officials and employees from any damage, claim, loss, cost, liability, cause of action or expense, including reasonable attorney's fees, whether or not reduced to judgment, arising from any infringement or claimed infringement of any patent, trademark or copyright, or misappropriation of confidential information or trade secrets of any third party and based on the manufacture, sale or use of goods, machinery or equipment supplied hereunder.
20. Contractor shall furnish further itemization and breakdown of the Contract price when requested by the City.
21. Contractor, in the performance of any work or the furnishing of any labor under this Contract, shall be considered as an independent contractor. Contractor, his agents and employees shall not be considered as employees of the City.
22. Contractor and subcontractor(s) shall not discriminate against any person in the performance of this Contract and shall comply with applicable federal, state and city equal employment opportunity laws, ordinances, rules and regulations. Contractor and subcontractor(s) shall not discriminate against any employee or applicant for employment or against any subcontractor on the basis of race, color, religion, national origin, sex, sexual orientation, AIDS, HIV status, age, disability, or handicap, subject to federal and state laws, rules and regulations.
23. Contractor shall comply with all applicable federal, state and local laws pertaining to the subject matter hereof.
24. Contractor shall submit samples of all documents that Contractor may require the City to execute to complete this transaction. By accepting these samples as part of the bid or by awarding the Contract to a Contractor who has submitted said samples, the City does not agree to the terms stated in said samples. This Invitation to Bid and Contractor's bid shall take priority over said samples and this Invitation and Contractor's bid shall become the Contract between the City and the Contractor.
25. All quantities stated herein are only ESTIMATES. The City reserves the right to increase or decrease these estimated quantities based on its actual needs and funds available.
26. The City reserves the right to exercise, at its option, an increase in expenditures by ten (10) percent annually, but the City does not guarantee such an increase.
27. Contractor shall cooperate with the City in all matters relating to taxation and the collection of taxes, particularly with respect to the self-accrual of use tax. Contractor shall cooperate as follows: (i) for all leases and purchases of materials, equipment, supplies or other tangible personal property totaling over \$100,000 shipped from outside California, a qualified Contractor shall complete and submit to the appropriate governmental entity the form in Appendix "A" attached hereto; and (ii) for construction contracts and subcontracts totaling \$5,000,000 or more, Contractor shall obtain a sub-permit from the California Board of Equalization for the Work site. "Qualified" means that the Contractor purchased at least \$500,000 in tangible personal property that was subject to sales or use tax in the previous calendar year.

In completing the form and obtaining the permit(s), Contractor shall use the address of the Work site as its business address and may use any address for its mailing address. Copies of the form and permit(s) shall also be delivered to the Purchasing Agent. The form must be submitted and the permit(s) obtained as soon as Contractor receives a notice of award. Contractor shall not order any materials or equipment over \$100,000 from vendors outside California until the form is submitted and the permit(s) obtained and, if Contractor does so, it shall be a material breach of the Agreement. In addition, Contractor shall make all purchases from its Long Beach sales office and the Long Beach sales office of its vendors if those vendors have a Long Beach office and all purchases made by Contractor under this Agreement which are subject to use tax of \$500,000 or more shall be allocated to the City of Long Beach. Contractor shall require the same form and permit(s) from its subcontractors.

CONTRACT – GENERAL CONDITIONS

Contractor shall not be entitled to and by signing this Contract waives any claim or damages for delay against City if Contractor does not timely submit these forms to the appropriate governmental entity. Contractor may contact Eugene Fong at 562-570-5023 for assistance with the form.

28. The California Integrated Waste Management Act (Public Resources Code, Sec. 40000 et seq.) requires governmental entities to achieve fifty (50) percent diversion of waste. In conjunction with the City's Integrated Resources Bureau, the City is currently developing an Environmentally Preferable Product (EPP) procurement plan. These guidelines enable the City Purchasing Agent to greatly expand procurement programs by moving beyond a singular consideration of "recycled-content". EPP procurement facilitates the purchase of products that qualify within a broad range of "environmentally preferable" criteria, such as: minimal packaging; energy savings; non-toxic; manufactured from sustainably-harvested materials. Contractor shall monitor products that fall within the EPP guidelines and document all criteria that qualifies the product as an EPP. Documentation from the manufacturer will be acceptable and may be required during the term of the Contract.

29. NOTICE TO BIDDERS REGARDING THE PUBLIC RECORDS ACT:

Responses to this Invitation to Bid become the exclusive property of the City of Long Beach. All Bids submitted in response to this Invitation to Bid are a matter of public record and shall be regarded as public records. Exceptions will be only those elements in each Bid that are defined by the Bidder as business or trade secrets and are marked as "Trade Secrets", "Confidential" or "Proprietary".

The City shall not be liable or responsible in any way for disclosure of any records not marked as "Trade Secrets", "Confidential" or "Proprietary". The City shall not be liable or responsible in any way for disclosure of any records so marked if disclosure is deemed to be required by law or by a court order.

30. THE FOLLOWING ADDITIONAL CONDITIONS APPLY ONLY IN CASES WHERE CONTRACTOR IS TO PERFORM WORK ON CITY PROPERTY:

A. If at any time during the progress of the Work, Contractor shall allow any indebtedness to accrue for labor, equipment or materials, or which may become a claim against the City, Contractor shall immediately upon request from the City pay such claim or indebtedness or cause such lien to be dissolved and discharged by giving a bond or otherwise and, in case of his failure so to do, the City may withhold any money due Contractor until such claim or indebtedness is paid or may apply such money toward the discharge thereof; or in such event the City may, at its option, declare this Contract to be terminated, take possession and control of the Work, and complete the same or cause the same to be completed according to the specifications. Contractor shall pay to the City the difference between the Contract price and the actual cost to the City in completing or causing the Work to be completed.

B. Contractor shall carry on the Work at its own risk until the same is fully completed and accepted and shall, in case of any accident, destruction or injury to the Work or materials before its final completion and acceptance, repair or replace the Work or materials so injured, damaged and destroyed, at his own expense and to the satisfaction of the City. When materials and equipment are furnished by others for installation or erection by Contractor, Contractor shall receive, unload, store and handle same at the Site and become responsible therefore as though such materials and equipment were being furnished by Contractor under the Contract.

C. Contractor shall procure and maintain at Contractor's expense for the duration of the Contract the following insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the Contract by Contractor, its agents, representatives, employees or subcontractors:

- (1) Comprehensive General Liability: \$1,000,000 combined single limit for each occurrence or \$2,000,000 General Aggregate for bodily injury, personal injury and property damage, including products and completed operations coverage.

The City, its officials, employees and agents shall be named as additional insureds as respects: liability arising out of activities performed by or on behalf of Contractor; products and completed operations of Contractor; and premises owned, leased or used by Contractor.

- (2) Automobile Liability: \$500,000 combined single limit per accident for bodily injury and property damage covering owned, non-owned and hired vehicles.

- (3) Workers' Compensation as required by the California Labor Code and Employers Liability limits of \$1,000,000 per accident.

Any self-insurance program and self-insured retention must be separately approved in writing by the City.

Each insurance policy shall be endorsed to state that coverage shall not be cancelled by either party or reduced in coverage except after thirty (30) days prior written notice to the City.

CONTRACT – GENERAL CONDITIONS

Contractor shall maintain at its expense, until completion of performance and acceptance by City, from an insurer:

- a. Admitted (licensed) in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of V (capital surplus and conditional surplus funds of greater than \$10 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager, or
- b. Non-admitted in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of VIII (capital surplus and conditional surplus funds of greater than \$100 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager.

All coverages for Subcontractors shall be subject to the requirements stated herein and shall be maintained at no expense to the City.

Contractor shall furnish the City with certificates of insurance and original endorsements providing coverage as required above. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

Before any of Contractor's or Subcontractor's employees shall do any Work on the City's property, Contractor shall furnish the City with the required certificates evidencing that such insurance is being maintained. Such certificates shall specify the date when such insurance expires. Such insurance shall be maintained until after the Work under the Contract has been completed and accepted.

Such insurance as required herein or in any other documents to be considered a part hereof shall not be deemed to limit Contractor's liability under this Contract.

- D. Contractor shall defend, indemnify and hold harmless the City, its officials and employees from and against any and all liability for claims for bodily injury and property damage arising out of negligent acts, omissions or errors of any employee of Contractor at the Site.
- E. Contractor shall list the name and location of the place of business of each Subcontractor who will perform work, labor or services for Contractor, or who specially fabricates and installs a portion of the Work or improvement in an amount in excess of one-half of one percent of Contractor's total contract cost. The Subcontractor list shall be submitted with Contractor's Bid.

SPECIFICATIONS SECTION

CONTRACT PERIOD

The Contract term shall be twelve (12) months from the date of award unless the City determines, in its sole discretion, that a later commencement date is necessary, in which case the City will notify the Contractor of such date upon award of the Contract.

FUTURE AMENDMENTS

The City reserves the right to change any portion of the work required, or amend such other terms and conditions that may become necessary. Any such revisions shall be accomplished by a written amendment to the contract and executed by the Contractor and the City.

It is agreed that if the City intends to renew this Contract, the City shall so notify the Contractor 90 days prior to the expiration date. If the Contractor proposes a price increase for a contract renewal, the Contractor shall be required to submit any price increases to the City Purchasing Agent for approval at least 60 days prior to expiration of the Contract. Said notice shall show item number, price, the Contract number, and purchase order number. The City reserves the right to accept or reject any price increase, and to cancel the renewal notice if price increases are not acceptable.

PRICE INCREASE:

- A. Shall not exceed 6 % during the first renewal period.
- B. Shall not exceed 6 % during the second renewal period.

No price increases will be allowed during the initial twelve-month contract period.

ADDENDUM

Bidders shall check the purchasing web page at www.lbpurchasing.org or contact the assigned buyer three (3) days prior to the bid closing date to inquire about and include any addenda incorporated into this bid. Failure to include any addenda with the bid will cause the bid to be rejected.

MANDATORY PRE-BID CONFERENCE

A Pre-Bid Conference shall be held for the purpose of answering questions. The meeting has been scheduled for **Wednesday, October 12, 2011, at 9:00 am**. Said conference shall be held at the Long Beach Council Chambers, located at Long Beach City Hall, Lobby Level, 333 W. Ocean Blvd., Long Beach, CA 90802. Failure to attend the Pre-Bid Conference will disqualify the vendor from the bidding process.

SPECIFICATIONS SECTION

BASIS OF AWARD

The City reserves the right to award portions of this bid to one or more Contractors.

Without limiting the power and authority with which it is vested, the City shall be the sole authority on determining the lowest responsible bidder, taking into consideration the experience of the bidder, references, operations, quality, fitness, capacity, and adaptability in respect to the requirements of these specifications for the services proposed by any bidder hereunder.

Award may be made to different Contractors for the categories listed below, or on an "all or none" basis to one Contractor. Bidder must provide a quote on all items within each section, or the bid for that section will be deemed not responsive.

Section F (Body Armor) may be bid independently of Sections A-E. [What does this mean? That a vendor can submit a bid only for Body Armor?]

- SECTION A – Basic Uniform Issue
- SECTION B – Shoes and Boots
- SECTION C – Leather Goods and Accessories
- SECTION D – Miscellaneous Equipment
- SECTION E – Alterations / Repairs
- SECTION F – Body Armor

The award will be based on the unit prices given.

BOND PROVISIONS

N/A

SUPPLEMENTAL INFORMATION

Bidder must present evidence indicative of its ability to provide and sustain the specified material to the satisfaction of the City. Failure to include any of the following information requested below may cause bid to be deemed non-responsive.

1. **Client References:** Bidder shall furnish on a separate sheet of paper a list of five (5) current customers, including company name, street address, telephone number and contact person, for whom Bidder has provided similar items. The City intends to contact these customers to determine reliability, Bidder's performance, service and other information.
2. **Contact:** Bidder shall provide emergency and non-emergency contact persons for both during regular business hours and after business hours on a 24-hour basis.

SPECIFICATIONS SECTION

3. **Facility Location:** Bidder shall provide the address of its store or distribution center, which must be located in Long Beach or within two miles of the city limits.

Bidder for Section F (Body Armor) may be located up to 40 miles away if vendor will be providing on-site fitting and delivery services at Police Department facilities.

Address of the nearest distribution center or store:

Store/Store Support Center (Distribution Center): 2789 Long Beach Blvd. Long Beach, CA 90806

4. **Subcontractor for Repairs and Alterations:** Bidder shall make available the services of a subcontractor for uniform and accessory repair and/or miscellaneous alterations, if necessary. Employees will be able to leave and pick up all repaired/altered items at Bidder's place of business.

Please provide subcontractor's name, address, phone and their contact person:

Galls Uniform Center 1249 W. Katella Ave. Orange, CA 92867

Contact Phone: (714) 633-3880 Contact Name: Mike Sirianni

5. **Illustrative and Technical Data:** Bidder shall submit illustrative and technical data on items to be furnished. If quoting an alternate, a data sheet must be submitted with bid. FAILURE TO PROVIDE SUCH DATA MAY DISQUALIFY BID.

6. **Catalogs and Miscellaneous Purchases:** Bidder shall submit one copy of its general or master catalog with bid. The Police Department shall be authorized to purchase miscellaneous items up to a maximum of \$1,000 per order. The catalog shall be used to purchase items that are not specifically listed in the bid.

Upon award of the Contract, the Contractor shall supply additional catalogs to various City departments as requested. Please specify percentage discount allowed the City: 5 - 20 %.

Catalog Dated: Galls Fall 2011 (Enclose Copy)

7. **On-Line Ordering and Tracking:** Bidder shall, at no additional charge, design an on-line ordering system to better facilitate individual employee and bulk purchasing, and better tracking of purchases and purchase data, to be provided to the Police Department. System shall allow for customized tracking by

SPECIFICATIONS SECTION

employee name and/or employee ID #, billing index code, division, product number, purchase order # and date range. System shall also allow for e-mail notification to employee when order is complete. Online system shall be operational within 90 days of award of contract. A demonstration of sample and/or proposed system will be requested as part of the bid process.

- 8. **Reporting:** Bidder shall provide complete purchase data reports to the City on a monthly, quarterly, and yearly basis with the ability to generate reports on demand. Report options shall include but not be limited to: the names and/or employee #s of individuals obtaining uniform items, quantities, manufacturer model and/or item numbers, pricing, cost totals, billing index codes, and other reasonable purchasing data reports as requested. This shall be provided at no additional charge. Copies of complete purchasing data from the commencement of the contract will be provided to the City if the contract is terminated. Sample reports and/or a live demo will be requested as a part of the bid process.

- 9. **Samples: Bidder** may be required to provide samples of uniforms and related accessories upon request by the City, for use as "Control Samples" throughout the duration of the Contract. The samples must be labeled with bidder's name, brand name and product number and must meet specification requirements. Materials and garments shall be subject to approval and acceptance by the City. **FAILURE TO SUBMIT REQUESTED BID SAMPLES WILL DISQUALIFY BID.**

Samples will be available for pick-up by Bidder 30 calendar days after bid due date, unless otherwise notified. Samples not picked up within 60 calendar days after bid due date will be discarded. The City shall not be held responsible for damage of samples due to testing or otherwise.

LICENSE

Bidder must have City of Long Beach Business License and must obtain all required permits.

Long Beach Business License Number: _____ Account: BU20335310 (1474)

*Required upon notification of award. _____

Signature: _____

SPECIFICATIONS SECTION

SCOPE OF SERVICE (Uniforms, Accessories, and Miscellaneous Equipment)

The City of Long Beach is seeking a supplier of uniforms, accessories and miscellaneous equipment. The selected Contractor shall provide uniforms, accessories and miscellaneous equipment for Police personnel.

The Contractor's bid for uniforms and accessories shall include the measurement, tailoring, alteration, fitting, sewing on of emblems and pressing by qualified personnel prior to delivery. The Contractor will conform its tailoring, fitting and alterations to standards provided by the Police Department.

All items listed in Bid Section shall be delivered and fitted on an "as needed" basis, pursuant to a written request from authorized personnel of the City of Long Beach. The City does not guarantee that all items listed herein will be ordered during the contract period.

All garments and accessories to be furnished hereunder shall be new and unused and fabricated from new materials, and meet the Long Beach Police Department's Uniform and Accessories Specifications and Requirements, as set forth below.

LONG BEACH POLICE DEPARTMENT'S UNIFORM AND ACCESSORIES SPECIFICATIONS AND REQUIREMENTS

- A. The Contractor shall provide trained personnel, when required, for measuring and fitting of uniforms at the Police Academy, 7290 E. Carson Blvd., Long Beach; Public Safety Building, 400 West Broadway, Long Beach, and/or other department locations in the City of Long Beach. A minimum inventory shall be maintained for each type of shirt and trouser in an assortment of sizes, plus a reasonable quantity of replacement items making up a complete uniform including leather goods, accessories and other equipment listed.
- B. Determination of the above qualifications and requirements shall be made by the Chief of Police, City Purchasing Agent or their designees. Their decision shall be final.
- C. [The Contractor shall provide quote(s) on specific brand name items and product numbers as referenced in the bid. Once the Contract has been awarded, any item substituted as an "approved equal" for a specified brand shall require prior written approval from the Police Department. The Contractor shall bear all expenses and costs related to delivery of unauthorized and unapproved items shipped, delivered, or received by the City. Substitution of an "approved equal" or any other unauthorized uniform or equipment item by the Contractor without specific approval from an authorized City Agent shall be grounds for immediate cancellation of the contract.

SPECIFICATIONS SECTION

- D. Upon the approval of the Chief of Police or his designee, the Police Department may add new items during the contract period to address issues such as changing operational needs, updated safety standards, and/or replacement of discontinued items. The Chief of Police, or his designee, shall provide new product specifications to the City Purchasing agent on a quarterly basis to be included in a contract amendment.
- E. For items listed in the "Summary of Bid Items" that require samples, such as patches, badges, emblems, and insignias, the Contractor shall provide quote(s) on industry standard design according to the specified description. All emblems shall be supplied by the Contractor. The City shall supply the Contractor with necessary artwork.

Attachment A contains photocopied sample emblems.

- F. Where any discrepancies exist between these specifications and the "Long Beach Police Department's Uniform and Accessories Specifications and Requirements," the specified brands stated in the bid shall be the City's standard for quality, function and durability.
- G. Questions regarding the Long Beach Police Department Uniform, Accessories and Miscellaneous Equipment Specifications and Requirements shall be directed to:
- | | |
|---------------------------|----------------|
| Commander Billy Quach | (562) 570-5890 |
| Administrator Karen Owens | (562) 570-7310 |
- H. Questions regarding bid requirements and other items in the bid shall be directed to:
- | | |
|------------------|----------------|
| Regina Benavides | (562) 570-6164 |
|------------------|----------------|

SPECIFICATIONS SECTION

DELIVERY/SHIPPING

DELIVERY

Delivery shall include all delivery and unloading charges to the various Departments of the City. Delivery is desired in accordance with the specifications. The City reserves the right to make award based on delivery time quoted. Delivery shall be made within five (5) working days after receipt of order for uniforms, accessories and miscellaneous equipment normally stocked. If the primary vendor fails to provide regularly stocked items within the above timeline, the secondary vendor may be utilized for procurement of the items requested. Special Order uniform items (excluding body armor) shall be provided within 30 days of request and written/e-mail notice must be provided to the Police Department for tracking purposes. Delivery for Special Order items exceeding 30 days may be grounds for utilization of secondary vendor.

WILL CALL

The Contractor shall be available during normal business hours, Monday through Friday, for delivery and will call. During the term of the Contract, purchases may be considered an emergency and, therefore, "Will Call" provisions and Overnight/Next Day Delivery must be provided by the Contractor. Due to the 24/7 work schedule within the Police Department, the Department may periodically request pre-arranged dates/times outside of normal business hours for "After Hours" fitting and service,

What are your normal business hours? 9:00 a.m. - 5:00 p.m.

"Will Call" items shall be available for pick-up within four (4) hours after order.

Do you have these "Will Call" capabilities? YES X NO _____

Will you provide "Overnight" or "Next Day" delivery? YES X NO _____

Additional charge for "Overnight" or "Next Day" delivery: \$ Standard Fed Ex

Will you provide pre-arranged "after hours" service, if requested? YES X NO _____

Additional charge for "After Hours" service: \$ 0.00

ADEQUATE STOCK

The Contractor shall maintain adequate stock of uniforms, accessories and miscellaneous equipment to accommodate City employee's needs, including emergencies, new hires and fill-in orders, as needed by the City, throughout the length of the Contract. **Failure to maintain adequate stock will be deemed a breach and may result in termination of the Contract.**

The City may inspect the Contractor's facilities to determine if sufficient inventory of all required uniforms and accessories are maintained in order to meet the City's required

SPECIFICATIONS SECTION

delivery schedule of five (5) working days. City's evaluation of the Contractor's site and inventory, after inspection, will be a factor in determination of award.

MINIMUM ORDERS

No "minimum orders" are permitted. Bids indicating a minimum order will be rejected.

ALTERNATES OR EXCEPTIONS

Whenever material or equipment is specified using a brand name or the name of a particular supplier, the specifications are intended to establish the type, function, and quality required. **If quoting an "equal" item, Bidder shall submit all data supporting its claim that material or equipment is an "equal" by Tuesday, October 18, 2011 at 11:00 am.** Failure to provide the supporting data may disqualify bid. The list of approved equals will be posted as an addendum by Tuesday, October 25, 2011, at 3:30 pm. Any bids that include items not listed on the bid specifications or on the approved equal list will not be accepted.

The phrase "or approved equal" means that the City Purchasing Agent or his designee shall make the determination, in his sole discretion, whether or not material or equipment offered as an "equal" is the same in form, function, performance, reliability, quality, and features as the brand name or product from a particular supplier.

Bidders Acknowledge and agree that use of an approved equal creates a risk that the material or equipment may not actually meet the functional and performance requirements when used under field conditions. Bidders further acknowledge and agree that the City's approval of an "approved equal" product does not relieve the Contractor from its duty to meet the functional and performance requirements in the Specifications so that the Contractor may ultimately be required to replace the "approved equal" product with the material or equipment that was originally specified by brand name or by the name of a particular supplier, at no additional cost to the City, if the City makes a request for replacement. By submitting a bid, Bidder accepts these risks and the liability associated with these risks, and waives all claims against the City for costs related to supplying replacements.

MISCELLANEOUS ITEMS

Miscellaneous items as listed in Bidder's catalog may be procured in an amount not to exceed \$1000 per order. No additional items shall be purchased without the authorization of the City.

CITY DEPARTMENTS' PURCHASE AUTHORIZATION

The items herein listed in the "Summary of Bid Items" make up the majority of uniforms for Police personnel needed by the City.

SPECIFICATIONS SECTION

Upon proper identification as Long Beach Police personnel, the Contractor shall sell replacement clothing or equipment at the City's Contract prices. The Contractor shall furnish only the Contract items specified and shall not substitute different, or a lesser quality of materials than was originally bid. Violation of this term may result in cancellation of the contract for cause.

The only exception to the above condition will be if the employee is seeking to purchase a uniform or equipment item of equal or greater value that, although not specified in the contract, has been approved as a substitute item. The employee shall be allowed to personally pay the difference in cost (if greater) between the specified and the substitute item. The contractor will track and report all substitute item purchases, making that information available to the City on a periodic basis as a part of their regular reporting.

Other than uniforms, insignias, badges, emblems and patches relating to the departments making a purchase, the Police Department may purchase any and all items listed in the Bid according to the department's needs. Contractor may not sell Police Department uniforms to any other department or any other group or individual. Proper identification and authorization must be presented by Police personnel to the Contractor at the time of order placement, pick-up and delivery.

BLANKET PURCHASE ORDER (BPO)/AUTHORIZED PERSONNEL

A Blanket Purchase Order (BPO) will be sent to the Contractor by the City Purchasing Agent. City personnel authorized to make releases (purchase orders) against the BPO will be indicated on the BPO. Shipment and/or services shall be made against the BPO release number. Releases shall be allowed only if the appropriate BPO number is indicated on the BPO release issued by authorized personnel in the Department. The Contractor must reference BPO release number and not the BPO number on all invoices.

PAYMENT FOR SERVICES

The Contractor shall **submit original invoices to the City of Long Beach, Accounts Payable, 333 W. Ocean Blvd., 6th Floor, Long Beach, CA 90802**, and one copy to the representative of the Police Department making the purchase. Each invoice shall include department, employee name and garment identity numbers. The Contractor shall not invoice for goods, materials, or supplies before merchandise has been shipped or delivered. Payment will not be authorized until merchandise has been received.

SPECIFICATIONS SECTION

LIQUIDATED DAMAGES

Time is of the essence. If delivery is not completed by the time stated previously for delivery, the Contractor acknowledges and agrees that such delay would seriously affect the public welfare and the operation of the City and that damages for such delay would be impracticable or extremely difficult to determine. The parties agree that the sum of \$100 per day for each day of delay for each unit shall be fixed as liquidated damages (and not as a penalty or forfeiture for breach). Liquidated damages shall apply where delivery is delayed beyond the time stated and where delivery of materials to replace materials deemed substandard or nonconforming by the City is delayed beyond the time specified for such replacement.

If the Contractor is prevented or delayed in the work required to be done hereunder by changes in the work or by any default, act, or omission of the City, or by strikes, fire, act of God, or by the inability to obtain materials, equipment, or labor due to Federal Government restrictions, then the time of completion shall be extended for such period as may be agreed between the City and the Contractor. The City may, at the time of acceptance of the work, waive liquidated damages which may have accrued for failure to complete on time due to any of the above reasons after hearing evidence to the reasons for such delay and making a finding as to the cause of same.

DEFAULT BY THE CONTRACTOR / TERMINATION

Notwithstanding anything to the contrary in the Purchase Order, the City may terminate this Contract without liability for damages when, in the City's sole opinion, the Contractor is not diligently performing or otherwise not complying in good faith with the Contract, has become insolvent, has assigned or subcontracted any part of the work without the consent of the City, or has otherwise defaulted in performance of the Contract, and has not otherwise cured such default after a period of ten (10) days notice given by the City to do so.

CONTRACT ENFORCEMENT

The Long Beach Police Department intends to award a Primary and Secondary vendor for this contract. The Primary vendor will be contacted for all uniform order requests for the duration of the contract term. If the Primary vendor is not able to supply the requested order for any given reason, the Secondary vendor will be contacted to complete the order request. The Long Beach Police Department does not guarantee that the full amount awarded to the Primary and Secondary vendor will be expended.

The Contractor or its authorized representative shall meet periodically, at the discretion and convenience of the City, with an authorized representative of the City to address any problems or other issues. All scheduled and regular service functions shall be completed prior to this meeting.

The City reserves the right to perform inspections at any time for the purpose of monitoring service performance. The Contractor shall cooperate with the City representative(s) in the review and monitoring of the Contractor's performance, records and procedures.

SPECIFICATIONS SECTION

At the request of the City, the Contractor, or its appropriate representative, shall attend meetings as deemed necessary by the City, for the purposes of orientation, information, amendments to the Contract and description of City policies and procedures.

In the event the City commences legal proceedings for the enforcement of the Contract, and is the prevailing party, the City shall be entitled to an award of attorney's fees and costs incurred in the action.

LAWS AND REGULATIONS

The Contractor shall conduct all aspects of its operation in compliance with all local, state and federal laws and regulations.

The Contractor shall immediately inform the City of any investigation, citation or legal action by any state or federal agency related to the Contractor's obligations under this Contract, and shall defend, indemnify and hold the City, its officials and employees harmless from all liability, claim, cause of action, loss, fines, penalties, corrective measures, costs, and expenses (including attorney's fees) the City may sustain by reason of the Contractor's failure to comply with any state or federal law, regulation or rule.

SUBCONTRACTING

No performance of this Contract or any portion thereof may be assigned or subcontracted by the Contractor without the express written consent of the City. Any attempt by the Contractor to assign or subcontract any performance of the terms of this Contract without said consent shall be null and void and shall constitute a default under this Contract. In the event of such a default, the City may immediately terminate this Contract without liability for damages.

If the City consents to assignment or subcontracting, each term and condition of this Contract shall extend to and be binding on and inure to the benefit of the assignees, successors and administrators of the respective parties.

If the City consents to subcontracting, the Contractor shall include in all subcontracts the following provision: "This Contract is a subcontract under the terms of a prime Contract with the City of Long Beach. All provisions of that prime Contract shall apply to this subcontract."

The Contractor shall indemnify, defend, and hold harmless the City and its employees from any and all liability arising or resulting from the employment of any subcontractors and their employees in the same manner as for the Contractor's own employees.

SPECIFICATIONS SECTION

CONFLICT OF INTEREST

The Contractor represents and warrants that no City employee whose position in the City enables him/her to influence the award of the Contract or any competing Contract, and no spouse or economic dependent of such employee is or shall be employed in any capacity by the Contractor herein, or does or shall have any direct or indirect financial interest in this Contract.

VALIDITY

The invalidity, unenforceable or illegality of any provision of the Contract shall not render the other provisions invalid, unenforceable, or illegal.

**CONTRACT AGREEMENT
COST SECTION**

BID TO FURNISH AND DELIVER UNIFORMS AND RELATED ACCESSORIES FOR THE CITY OF LONG BEACH POLICE DEPARTMENTS.

WE ARE PLEASED TO SUBMIT OUR BID IN ACCORDANCE WITH THE CITY OF LONG BEACH INVITATION TO BID, SPECIFICATIONS AND TERMS AND CONDITIONS TO FURNISH AND DELIVER THE FOLLOWING EQUIPMENT, MATERIAL, SUPPLIES OR SERVICES FOR DESTINATION CITY OF LONG BEACH.

SALES TAX: UNIT AND EXTENSION PRICES STATED HEREIN SHALL NOT INCLUDE SALES TAX.

SUMMARY OF BID ITEMS

SECTION A - BASIC UNIFORM APPAREL		
I. UNIFORM SHIRTS (Burlington Raeford Mill must be used for all wool items)		
	Manufacturer & Style No.	Unit Price
POLICE OFFICER		
Flying Cross #320W9196Z, men's long sleeve; with zipper, , 100% wool (17 oz), Burlington Raeford Mill LAPD navy (8818)	Flying Cross #320W9196Z	\$ 80.25
Flying Cross #670R9196Z, men's short sleeve, with zipper, 100% wool (17 oz), Burlington Raeford Mill LAPD navy (8818)	Flying Cross #670R9196Z	\$ 72.05
Flying Cross #220W9196Z, women's long sleeve, with zipper, 100% wool (17 oz), Burlington Raeford Mill LAPD navy (8818)	Flying Cross #220W9196Z	\$ 70.95
Flying Cross #270R9196SZ, women's short sleeve, with zipper, 100% wool (17 oz) Burlington Raeford Mill LAPD navy (8818)	Flying Cross #270R9196SZ	\$ 65.15
Flying Cross #UD70R9586Z, men's short sleeve, with zipper, 100% wool (10 oz/summer weight) Burlington Raeford Mill LAPD blue/#30	Flying Cross #UD70R9586Z	\$ 50.05
Flying Cross #UD170R9586Z, women's short sleeve, with zipper, 100% wool (10 oz/summer weight) Burlington Raeford Mill LAPD blue/#30	Flying Cross #UD170R9586Z	\$ 40.45
Flying Cross #38W7886ZB, men's conventional collar, long sleeve, with zipper, 100% textured polyester, navy blue (86),	Flying Cross #38W7886ZB	\$ 30.65
Flying Cross #238W7886ZB, women's conventional collar, long sleeve, with zipper, 100% textured polyester, navy blue (86),	Flying Cross #238W7886ZB	\$ 30.65

SECTION A (continued)	Manufacturer & Style #	Unit Price
Flying Cross #88R7886-2Z, men's conventional collar, short sleeve, with zipper, 100% textured polyester, navy blue (86),	Flying Cross #88R7886-2Z	\$ 27.35
Flying Cross #288R7886-2Z, women's conventional collar, short sleeve, with zipper 100% textured polyester, navy blue (86)	Flying Cross #288R7886-2Z	\$ 27.35
Blauer #5273L-2, men's long sleeve Super Shirt, with zipper, 100% wool (16.5 oz), Burlington Raeford Mill – LAPD navy (8818)	Blauer #5273L-2	\$ 81.95
Blauer #5273L-2W, women's long sleeve Super Shirt, with zipper, 100% wool (16.5 oz), Burlington Raeford Mill – LAPD navy (8818)	Blauer #5273L-2W	\$ 69.65
Blauer #5273S-2, men's short sleeve Super Shirt, with zipper, 100 % wool (16.5 oz), Burlington Raeford Mill – LAPD navy (8818)	Blauer #5273S-2	\$ 73.05
Blauer #5273S-2W, women's short sleeve Super Shirt, with zipper, 100 % wool (16.5 oz), Burlington Raeford Mill – LAPD navy (8818)	Blauer #5273S-2W	\$ 61.95
DISPATCHERS/RECRUITS/STORE KEEPER		
Lion #1232, long sleeve, 65/35 Poly/Cotton with Badge Tab, Navy blue, SM-2XL,	Lion #1232	\$ 22.95
Lion #1532, short sleeve, 65/35 Poly/Cotton with Badge Tab, Navy blue, SM-2XL,	Lion #1532	\$ 24.95
SPECIAL SERVICES OFFICER		
Flying Cross #38W7804Z, men's conventional collar, long sleeve, with zipper, 00% textured polyester, tan,	Flying Cross #38W7804Z	\$ 37.05
Flying Cross #126R7804Z, women's conventional collar, long sleeve, with zipper, 100% textured polyester, tan,	Flying Cross #126R7804Z	\$ 31.35
Flying Cross #88R7804Z men's conventional collar, short sleeve, with zipper, 100% textured polyester, tan	Flying Cross #88R7804Z	\$ 33.05
Flying Cross #178R7804Z women's conventional collar, short sleeve, with zipper, women's, 100% textured polyester, tan	Flying Cross #178R7804Z	\$ 27.95
Flying Cross #324N5603Z men's long sleeve, with zipper, 35% cotton, 65% Dacron polyester, tan	Flying Cross #324N5603Z	\$ 24.45
Flying Cross #224N5603Z women's, long sleeve, with zipper, 35% cotton, 65% Dacron polyester, tan	Flying Cross #24N5603Z	\$ 24.45
Flying Cross #674S5603Z men's short sleeve, with zipper, 35% cotton, 65% Dacron polyester, tan	Flying Cross #674S5603Z	\$ 22.25
Flying Cross #274S5603Z women's, short sleeve, with zipper, cotton, polyester, tan	Flying Cross #274S5603Z	\$ 22.25
Flying Cross #69R6604Z men's short sleeve, with zipper, tropical weave (permanent crease), tan, polyester/rayon	Flying Cross #69R6604Z	\$ 33.25
Flying Cross #153R6604Z women's short sleeve, with zipper, tropical weave (permanent crease), tan, polyester/rayon	Flying Cross #153R6604Z	\$ 33.25

SECTION A (continued)	Manufacturer & Style #	Unit Price
Flying Cross #19W6604Z men's long sleeve, with zipper, tropical weave (permanent crease), tan, polyester/rayon	Flying Cross #19W6604Z	\$ 36.35
Flying Cross #103W6604Z women's long sleeve, with zipper, tropical weave (permanent crease), tan, polyester/rayon	Flying Cross #103W6604Z	\$ 36.35
Elbeco #4532, men's shirt, long sleeve, 65/35 Polyester/Cotton Twill, neck sizes 14-17.5, tan	Elbeco #4532	\$ 21.75
Elbeco #4532-OS, men's shirt, long sleeve, 65/35 Polyester/Cotton Twill, neck sizes 18-20, tan	Elbeco #4532-OS	\$ 24.25
Elbeco #4533, women's shirt, long sleeve, 65/35 Polyester/Cotton Twill, chest sizes 28-46, tan	Elbeco #4533	\$ 18.35
Elbeco #4533-OS, women's shirt, long sleeve, 65/35 Polyester/Cotton Twill, chest size 48, tan	Elbeco #4533-OS	\$ 21.55
Elbeco #4530, men's shirt, short sleeve, 65/35 Polyester/Cotton Twill, sizes S-XL, tan	Elbeco #4530	\$ 17.45
Elbeco #4530-OS, men's shirt, short sleeve, 65/35 Polyester/Cotton Twill, sizes 2XL-4XL, tan	Elbeco #4530-OS	\$ 19.45
Elbeco #4531, women's shirt, short sleeve, 65/35 Polyester/Cotton Twill, chest sizes 28-46, tan	Elbeco #4531	\$ 14.75
Elbeco #4531-OS, women's shirt, short sleeve, 65/35 Polyester/Cotton Twill, chest sizes 28-46, tan	Elbeco #4531-OS	\$ 17.25
<u>POLICE SERVICES SPECIALIST/CADET</u>		
Flying Cross #95R6625Z tropical weave, men's, permanent crease, short sleeve, with zipper, 65% polyester, 35% rayon, light blue	Flying Cross #95R6625Z	\$ 32.75
Flying Cross #45W6625Z, tropical weave, men's, permanent crease, long sleeve, with zipper, 65% polyester, 35% rayon, light blue	Flying Cross #45W6625Z	\$ 36.65
Flying Cross #152R6625Z, tropical weave, women's, permanent crease, short sleeve, with zipper, 65% polyester, 35% rayon, light blue	Flying Cross #152R6625Z	\$ 32.75
Flying Cross #102W6625Z, tropical weave, women's, permanent crease, long sleeve, with zipper, 65% polyester, 35% rayon, light blue	Flying Cross #102W6625Z	\$ 36.65
Flying Cross #33W7845Z, men's, long sleeve, with zipper 100 % polyester, light blue	Flying Cross #33W7845Z	\$ 30.65
Flying 126R7845Z, women's long sleeve, 100 % polyester, with zipper, light blue	Flying Cross #126R7845Z	\$ 30.65
Flying Cross #85R7845Z, men's, Short sleeve, 100 % polyester, with zipper, light blue	Flying Cross #85R7845Z	\$ 27.75
Flying Cross #176R7845Z, women's, short sleeve, 100% polyester, with zipper, light blue	Flying Cross #176R7845Z	\$ 27.75

SECTION A (continued)	Manufacturer & Style #	Unit Price
<u>VOLUNTEERS (SPP PROGRAM)</u>		
Flying Cross #95R6600Z, tropical weave, men's, permanent crease, short sleeve, with zipper, 65% polyester, 35% rayon, white	Flying Cross #95R6600Z	\$ 32.45
Flying Cross #45W6600Z, tropical weave, men's, permanent crease, long sleeve, with zipper, 65% polyester, 35% rayon, white	Flying Cross #45W6600Z	\$ 36.55
Flying Cross #152R6600Z, tropical weave, women's, permanent crease, short sleeve, with zipper, 65% polyester, 35% rayon, white	Flying Cross #152R6600Z	\$ 32.45
Flying Cross #102W6600Z, tropical weave, women's, permanent crease, long sleeve, with zipper, 65% polyester, 35% rayon, white	Flying Cross #102W6600Z	\$ 36.55
<u>ALTERNATIVE UNIFORM SHIRTS</u>		
Elbeco #703JLB Response Tactical Duty Shirt, long sleeve, Nomex, black (Homeland Security Unit)	Elbeco #703JLB	\$ 93.15
5.11, #72002-019 Rip-stop, Cross-stitch design, long sleeve, BDU, black (for SWAT and Boat Patrol)	5.11 #72002-019	\$ 34.25
5.11, #72002-190 Rip-stop, Cross-stitch design, long sleeve, BDU, green (for SWAT)	5.11 #72002-190	\$ 34.25
5.11 #71175-162 TacLite Pro Shirt, 65% polyester/35% cotton, tan (proposed – Jail)	5.11 #71175-162	\$ 34.25
5.11, #72002-175 Rip-stop, Cross-stitch design, long sleeve, BDU, camouflage (for SWAT snipers only)	5.11 #72002-175	\$ 31.45
Propper #F545238 -001, Rip-stop, Cross-stitch design, long sleeve, BDU black (for SWAT and Boat Patrol)	Propper #F545238001	\$ 19.95
Propper #F545238-055, Rip-stop, Cross-stitch design, long sleeve, BDU, green (for SWAT)	Propper #F545238055	\$ 19.95
Blauer 6013LS-2 Class BDU Shirt, 65% polyester/35% cotton rip-stop, unisex, Black (11)	Blauer #6013LS-2	\$ 43.85
Blauer 6013LS-2 Class BDU Shirt, 65% polyester/35% cotton rip-stop, unisex, OD Green (28)	Blauer #6013LS-2	\$ 43.85
Blauer 6013LS-2 Class BDU Shirt, 65% polyester/35% cotton rip-stop, unisex, Navy (04),	Blauer #6013LS-2	\$ 43.85
Blauer 6013LS-2 Class BDU Shirt, 65% polyester/35% cotton rip-stop, unisex, Multi-Cam (39),	Blauer #6013LS-2	\$ 58.75
Tru Spec #1298, 24/7 TRU Long Sleeve Shirt, 65% polyester/35% cotton, Multicam (SWAT)	TruSpec #1298	\$ 34.25
Tru Spec #1288, 24/7 TRU Long Sleeve Shirt, 65% polyester/35% cotton, black (SWAT)	TruSpec #1288	\$ 27.75

SECTION A (continued)	Manufacturer & Style #	Unit Price
POLO SHIRTS		
(Black)		
Elbeco UF/X #K5141, men's Tactical Polo, long sleeve, Sizes SM-XL 100% Poly, black	Elbeco #K5141	\$ 23.75
Elbeco UF/X #K5141-OS, men's Tactical Polo, long sleeve, Sizes 2XL-3XL, 100% Poly, black	Elbeco #K5141-OS	\$ 27.25
Elbeco UF/X #K5181LC, women's Tactical Polo, long sleeve, Sizes SM-XL 100% Poly, black	Elbeco #K5181LC	\$ 22.65
Elbeco UF/X #K5181LC-OS, women's Tactical Polo, long sleeve, Sizes 2XL-4XL 100% Poly, black	Elbeco #K5181LC-OS	\$ 27.25
Elbeco UF/X #K5131, men's Tactical Polo, short sleeve, Sizes SM-XL, 100% Poly, black	Elbeco #K5131	\$ 25.65
Elbeco UF/X #K5131-OS, men's Tactical Polo, short sleeve, Sizes 2XL-3XL, 100% Poly, black	Elbeco #K5131-OS	\$ 27.75
Elbeco UF/X #K5171LC, women's Tactical Polo, short sleeve, Sizes SM-XL, 100% Poly, black	Elbeco #K5171LC	\$ 20.65
Elbeco UF/X #K5171LC-OS women's Tactical Polo, short sleeve, Sizes 2XL-4XL, 100% Poly, black	Elbeco #K5171LC-OS	\$ 24.75
(Grey)		
Elbeco UF/X #K5148, men's Tactical Polo, long sleeve, Sizes SM-XL 100% Poly, grey (Crime Lab/Property/Civilian employees)	Elbeco #K5148	\$ 25.45
Elbeco UF/X #K 5148-OS men's Tactical Polo, long sleeve, Sizes 2XL-3XL, 100% Poly, Grey (Crime Lab/Property/Civilian employees)	Elbeco #K5148-OS	\$ 30.55
Elbeco UF/X #K5188LC, women's Tactical Polo, long sleeve, Sizes SM-XL 100% Poly, grey	Elbeco #K5188LC	\$ 23.75
Elbeco UF/X #K5188LC-OS, women's Tactical Polo, long sleeve, Sizes 2XL-4XL 100% Poly, grey	Elbeco #K5188LC-OS	\$ 28.45
Elbeco UF/X #K5138, men's Tactical Polo, short sleeve, Sizes SM-XL, 100% Poly, grey (Crime Lab/Property/Civilian employees)	Elbeco #K5138	\$ 23.95
Elbeco UF/X #K5138-OS, men's Tactical Polo, short sleeve, Sizes 2XL-3XL, 100% Poly, grey (Crime Lab/Property/Civilian employees)	Elbeco #K5138-OS	\$ 27.75
Elbeco UF/X #K5178LC, women's Tactical Polo, short sleeve, Sizes SM-XL, 100% Poly, grey (Crime Lab/Property/Civilian employees)	Elbeco #K5178LC	\$ 21.55
Elbeco UF/X #K5178LC-OS women's Tactical Polo, short sleeve, Sizes 2XL-4XL, 100% Poly, grey (Crime Lab/Property/Civilian employees)	Elbeco #K5178LC-OS	\$ 25.85

SECTION A (continued)	Manufacturer & Style #	Unit Price
(White)		
Elbeco UF/X #K5140, men's Tactical Polo, long sleeve, Sizes SM-XL 100% Poly, white, (PSS/Volunteers/SPP)	Elbeco #K5140	\$ 25.75
Elbeco UF/X #K5140-OS, men's Tactical Polo, long sleeve, Sizes 2XL-3XL, 100% Poly, white, (PSS)	Elbeco #K5140-OS	\$ 30.85
Elbeco UF/X #K5180LC, women's Tactical Polo, long sleeve, Sizes SM-XL 100% Poly, white, (PSS)	Elbeco #K5180LC	\$ 23.15
Elbeco UF/X #K5180LC-OS, women's Tactical Polo, long sleeve, Sizes 2XL-4XL 100% Poly, white, (PSS)	Elbeco #K5180LC-OS	\$ 27.85
Elbeco UF/X #K5130, men's Tactical Polo, short sleeve, Sizes SM-XL, 100% Poly, white, (PSS)	Elbeco #K5130	\$ 23.95
Elbeco UF/X #K5130-OS, men's Tactical Polo, short sleeve, Sizes 2XL-3XL, 100% Poly, white, (PSS/Volunteers/SPP)	Elbeco #K5130-OS	\$ 28.75
Elbeco UF/X #K5170LC, women's Tactical Polo, short sleeve, Sizes SM-XL, 100% Poly, white, (PSS/Volunteers/SPP)	Elbeco #K5170LC	\$ 21.05
Elbeco UF/X #K5170LC-OS women's Tactical Polo, short sleeve, Sizes 2XL-3XL, 100% Poly, white, (PSS)	Elbeco #K5170LC-OS	\$ 25.25
5.11 Professional Polo # 41060-010 S/S Shirt, sizes S-XL , white, 100% cotton pique fabric, pen slot on sleeves	5.11 #41060-010	\$ 23.85
5.11 Professional Polo # 41060-010-OS S/S Shirt, sizes 2XL- 3XL, white, 100% cotton pique, pen slot on sleeves	5.11 #41060-010-OS	\$ 27.35
5.11 Professional Polo # 61166-010 S/S Shirt, sizes S-XL, women's, white, 100% cotton pique fabric, pen slot on sleeves	5.11 #61166-010	\$ 21.45
(Tan)		
5.11 Professional Polo # 41060-160 S/S Shirt, sizes S-XL, Silver Tan, 100% cotton pique fabric, pen slot on sleeves	5.11 #41060-160	\$ 25.35
5.11 Professional Polo # 41060-160-OS S/S Shirt, sizes 2XL- 3XL, Silver Tan, 100% cotton pique, pen slot on sleeves	5.11 #41060-160-OS	\$ 27.05
5.11 Professional Polo # 61166-160 S/S Shirt, sizes S-XL, women's Silver Tan, 100% cotton pique fabric, pen slot on sleeves	5.11 #61166-160	\$ 21.45
5.11 Performance Polo # 71049-160 S/S Shirt, sizes S-XL, Silver Tan, 100% cotton pique fabric, mic clip pockets on shoulders, pen slot on sleeves	5.11 #71049-160	\$ 24.65

SECTION A (continued)	Manufacturer & Style #	Unit Price
5.11 Performance Polo # 71049-160-OS S/S Shirt, sizes 2XL- 3XL, Silver Tan, 100% cotton pique, mic clip pockets on shoulders, pen slot on sleeves	5.11 #71049-160-OS	\$ 28.25
5.11 Performance Polo # 61165-160 S/S Shirt, sizes S-XL, women's Silver Tan, 100% cotton pique fabric, mic clip pockets on shoulders, pen slot on sleeves	5.11 #61165-160	\$ 24.65
SCHOOL GUARDS		
Redkap #SP24LG, shirt, light green, summer, 65% polyester/35% cotton, short sleeve	Redkap #SP24LG	\$ 7.65
Redkap #SP14LG, shirt, light green, summer, 65% polyester/35% cotton, long sleeve	Redkap #SP14LG	\$ 9.35
II. PANTS (Burlington Raeford Mill must be used for all wool items)		
Flying Cross #32289, men's, navy blue, 100% wool, 17 oz., w/ sap pocket	Flying Cross #32289	\$ 50.05
Flying Cross #35289, women's, navy blue, 100% wool, 17 oz., w/ sap pocket	Flying Cross #35289	\$ 37.75
Flying Cross #38289, men's, 100% polyester, w/ sap pocket, navy blue,	Flying Cross #38289	\$ 29.35
Flying Cross #38233, women's 100% polyester, navy blue	Flying Cross #38233	\$ 26.25
Flying Cross #32289, trousers with stripes (Honor Guard only),	Bidding Marlow White #69-521 on Addendum 5 per Addendum 3	
Blauer #5373-2T 6 pocket trousers, 100% wool (16.5 oz) men's, navy -04	Blauer #5373-2T	\$ 75.45
Blauer #5373-2TW 6 pocket trousers, 100% wool (16.5 oz) women's, navy - 04	Blauer #5373-2TW	\$ 64.05
Blauer #6012LS-2 Class BDU Trouser, 65% polyester/35% cotton rip-stop, black (11)	Blauer #6012LS-2	\$ 43.85
Blauer #6012LS-2 Class BDU Trouser, 65% polyester/35% cotton rip-stop, navy (04)	Blauer #6012LS-2	\$ 43.85
Blauer #6012LS-2 Class BDU Trouser, 65% polyester/35% cotton rip-stop, OD Green (28)	Blauer #6012LS-2	\$ 43.85
Blauer #6012LS-2 Class BDU Trouser, 65% polyester/35% cotton rip-stop, Silver Tan (45)	Blauer #6012LS-2	\$ 43.85
Blauer #6012LS-2 Class BDU Trouser, 65% polyester/35% cotton rip-stop, Multi-Cam (39)	Blauer #6012LS-2	\$ 60.45
Lion #130, pants, Navy blue, Poly/Cotton Blend (Dispatchers & store keeper)	Lion #130	\$ 28.25
Elbeco #703PLB Response Tactical Duty Trousers, Nomex, black, with two SAP pockets (Homeland Security)	Elbeco #703PLB	\$ 93.15
Tru Spec #1265, TRU long sleeve shirt, 50% Cordura/50% Nylon Cotton Ripstop, multicam (SWAT)	TruSpec #1265	\$ 46.65

SECTION A (continued)	Manufacturer & Style #	Unit Price
5.11 Taclite TDU pant, #74280, men's, 65% polyester/35% cotton Rip Stop (black - 019, olive - 190, tan - 162) (Crime Lab - black)	5.11 #74280-XXX	\$ 33.45
5.11 Taclite TDU pant, #64359 women's, 65% polyester/35% cotton Rip Stop. - (black - 019, navy - 724) (Crime Lab -black)	5.11 #64359-XXX	\$ 27.65
5.11 TDU pant #74003-019, Cross-stitch design, 65% polyester/35% Cotton Rip-Stop, adjustable waistband, draw-string at bottom of pant leg, black (SWAT and Boat Patrol)	5.11 #74003-019	\$ 32.15
5.11 TDU pant #74003-190, Cross-stitch design, 65% polyester/35% Cotton Rip-Stop black, adjustable waistband, draw-string at bottom of pant leg, green (SWAT)	5.11 #74003-190	\$ 32.15
5.11 TDU pant #74003-175, Cross-stitch design, 65% polyester/35% Cotton Rip-Stop, adjustable waistband, draw-string at bottom of pant leg, camouflage (SWAT)	5.11 #74003-175	\$ 29.55
Tru Spec #3167, H20 ECWS pants, black (SWAT)	TruSpec #3167	\$ 39.05
Tru Spec #1299, 24/7 TRU pant, 65% polyester/35% cotton, multicom (SWAT)	TruSpec #1299	\$ 34.25
Tru Spec #1289, 24/7 TRU pant, 65% polyester, 35% cotton, black (SWAT)	TruSpec #1289	\$ 27.75
Tru Spec #1266, TRU pant, 50% Cordura/50% Nylon Cotton Ripstop, multicam (SWAT)	TruSpec #1266	\$ 46.65
5.11 Taclite Pro pant, #74273-019, men's, 65% polyester/35% cotton Rip Stop, black	5.11 #74273-019	\$ 34.25
5.11 Taclite Pro pant, #74273-190, men's, 65% polyester/35% cotton Rip Stop, green	5.11 #74273-190	\$ 34.25
5.11 Taclite Pro pant, #74273-162, men's, 65% polyester/35% cotton Rip Stop, tan	5.11 #74273-162	\$ 34.25
5.11 Taclite Pro pant, #64360-019 women's, 65% polyester/35% cotton Rip Stop, black	5.11 #64360-019	\$ 34.25
5.11 Taclite Pro pant, #64360-190 women's, 65% polyester/35% cotton Rip Stop, green	5.11 #64360-190	\$ 34.25
5.11 Taclite Pro pant, #64360-162 women's, 65% polyester/35% cotton Rip Stop, tan	5.11 #64360-162	\$ 34.25
TruSpec #1062 24/7 Men's Ripstop pant, 65% polyester/35% cotton, black (Evidence Control)	TruSpec #1062	\$ 24.45
TruSpec #1063 24/7 Men's Ripstop pant, 65% polyester/35% cotton, coyote (AOTC)	TruSpec #1063	\$ 24.45
TruSpec #1064 24/7 Men's Ripstop pant, 65% polyester/35% cotton, OD Green	TruSpec #1064	\$ 24.45
TruSpec #1061 24/7 Men's Ripstop pant, 65% polyester/35% cotton, navy	TruSpec #1061	\$ 24.45

SECTION A (continued)	Manufacturer & Style #	Unit Price
TruSpec #1096 24/7 Women's Ripstop pant, 65% polyester/35% cotton, black (Evidence Control)	TruSpec #1096	\$ 24.45
TruSpec #1095 24/7 Women's Ripstop pant, 65% polyester/35% cotton, khaki	TruSpec #1095	\$ 24.45
TruSpec #1097 24/7 Women's Ripstop pant, 65% polyester/35% cotton, navy	TruSpec #1097	\$ 24.45
Special Services Officers/Crossing Guards		
Elbeco # E8149, Forest green, 45% worsted wool /55% polyester pant, 6 pocket, mens w/ sap pocket	Elbeco #E8149	\$ 43.05
Elbeco # E8150, Forest green, 45% worsted wool /55% polyester pant, 6 pocket, women's w/ sap pocket	Elbeco #E8150	\$ 43.05
Flying Cross #32218. Forest green, 45% wool, 55% Dacron polyester, men's w/ sap pocket	Flying Cross #32218	\$ 36.95
Flying Cross #35218. Forest green, 45% wool, 55% Dacron polyester, women's , w/ sap pocket	Flying Cross #35218	\$ 35.25
Flying Cross #32265, Forest green, 100% textured polyester, 6 Pocket, men's	Flying Cross #32265	\$ 34.05
Flying Cross #35265, Forest green, 100% polyester, Women's	Flying Cross #35265	\$ 33.35
Dickies #874 OG, Traditional Twill Pant, Olive Green (crossing guards only)	Dickies #874OG	\$ 17.55
III. BREECHES		
Flying Cross #34236 (w/ sap pocket), motor breeches, 100% wool, navy blue,	Flying Cross #34236	\$ 193.65
Flying Cross # LBPDMOBRE, motor breeches, 100% Polyester, navy blue,	Flying Cross #LBPDMOBRE	\$ 138.55
Blauer Motor Breeches, color 04 LAPD Navy	Blauer #8906MB-3	\$ 121.15
Bid Blauer polyester breeches. If LBPD wants wool, it is #8906MB-2 at \$161.25		
IV. SHORTS, BIKE SHORTS & BIKE PANTS		
Mocean #2050B, Bike pant w/belt loops, black, (for Bike Patrol only),	Mocean #2050B	\$ 74.05
Mocean #1050B, Police bike shorts, black (for Bike Patrol only)	Mocean #1051	\$ 46.85
Mocean #1054, Police bike shorts, black (for Bike Patrol only)	Mocean #1054	\$ 36.75
Mocean #1059L, Police bike shorts, black (for Bike Patrol only) (extra long)	Mocean #1059L	\$ 39.25
Mocean #1150, Bike shorts, black (for Bike patrol only)	Mocean #1150	\$ 43.65

SECTION A (continued)	Manufacturer & Style #	Unit Price
Mocean #2150, Bike Pants, black (for Bike Patrol only)	Mocean #2150	\$ 60.35
Mocean #2054, Bike Pants, black (for Bike Patrol only)	Mocean #2054	\$ 53.05
Mocean #1551, Underskin-Chamois, unisex (for Bike patrol only)	Mocean #1551	\$ 27.25
5.11 TacLite Pro Short #73287-019, men's Ripstop, 65% polyester,35% cotton, cargo short, black	5.11 #73287-019	\$ 31.05
5.11 TacLite Pro Short #63071-019, women's Ripstop, 65% polyester,35% cotton, cargo short, black	5.11 #63071-019	\$ 28.25
5.11 Tactical #73285-190 Olive drab green 100% men's cotton canvas shorts	5.11 #73285-190	\$ 28.25
5.11 TacLite Pro Short # 63071-190, women's Ripstop, 65% polyester,35% cotton, cargo short green	5.11 #63071-190	\$ 28.25
5.11 Tactical #73285-190 Olive drab green 100% men's cotton canvas shorts	5.11 #73285-190	\$ 28.25
5.11 Tactical #63306-190 Olive drab green 100% women's cotton canvas shorts	5.11 #63306-190	\$ 28.25
V. JUMPSUITS		
Nomex Flight Suit, #F511546347, sage green (Air Support)	Propper #F511546347	\$ 119.95
Topps #1108, Deluxe coveralls w/silk screen shoulder patches, badge & "Police" on back, embroidered name,	Topps #1108	\$ 57.05
VI. SWEATERS		
Broadway #502B, Sweater, 100% acrylic, navy blue and forest green	Broadway #502B	\$ 47.35
VII. HATS		
Keystone #8PT, uniform 8-point, navy blue,	Keystone #8PTCAP	\$ 30.55
Keystone #8PT w/ Style "A" visor, Command Officer, navy blue	Keystone #8PTCAP A	\$ 77.65
Vanguard #M/0321, Metal cap band, gold	Vanguard #M/0321	\$ 4.05
Albourn #1401, Campaign hat, navy blue with acorns	Albourn #1401	\$ 60.55
Keystone #8PT, 8-point, forest green	Keystone #8PTCAP	\$ 36.85
Vanguard RCV, Rain cap 8 pt cover with visor,	Vanguard #RCV	\$ 2.85
Albourn #1407, Plastic campaign hat cover	Albourn #1407	\$ 3.95
Otto #27-210-004, Wool Baseball Hat, w/ adjustable back, navy (Special Events)	Otto #27-210-004	\$ 3.55
Otto #27-210-017, Wool Baseball Hat, w/ adjustable back, OD green (Marine Patrol)	Otto #27-210-017	\$ 3.55

SECTION A (continued)	Manufacturer & Style #	Unit Price
VIII. JACKETS		
Cardinal #201A, Windbreaker, Lined, nylon, black (Price shall include the word "POLICE" silk-screened in white on the back of the jacket).	Cardinal #201A	\$ 14.35
Cardinal #201A, Windbreaker, Lined, nylon, yellow (Crossing Guards)	Cardinal #201A	\$ 12.25
Cardinal #101A, Windbreaker, Unlined, Black nylon, (Price shall include the word "POLICE" silk-screened in white on the back of the jacket).	Cardinal #320	\$ 10.55
Cardinal #101A, Windbreaker, Unlined, nylon, yellow (Crossing Guards)	Cardinal #320	\$ 8.35
Liberty #560M NV, Windbreaker, Lined, Navy, or approved equal	Liberty #560MNV	\$ 12.25
Cardinal #320-NV, Windbreaker, Unlined, Navy, or approved equal	Cardinal #320NV	\$ 8.35
Spiewak – Weathertech Jacket, Black, 100% Nylon, 100% Polyester with zip out liner, #SH3465 or approved equal	Spiewak #SH3465	\$ 199.95
Blauer – 9820 TACSHELL, Waterproof, Windproof, Breathable, 3-layer Nylon Rip-Stop Shell Fabric w/12% Stretch and quilted liner, black	Blauer #9820Z	\$ 189.85
Frontline #F1000 Motor Jacket, Black, 100% nylon shell and lining, zip out liner, elbow, shoulder and back pads included (Motors)	Frontline #F1000	\$ 170.85
Tour Master 2.0 Flex Motor Jacket, #8703-1005, Black (Motors)	Tourmaster #8703-1005	\$ 209.95
5.11 Tactical Series #48017 Olive Drab Green 5-in-1-jacket, (men's & women's sizes),	5.11 #48017	\$ 159.95
Flying Cross#79905GTX, Public Safety Jacket w/ Gortex, Forest Green,	Flying Cross #79905GTX	\$ 187.35
Tact Squad DC03/T, jacket, forest green, long sleeve w/full liner,	Tact Squad #DC03/T	\$ 51.45
Mocean #6050S, Bike jacket light (for Bike patrol only)	Mocean #6050S	\$ 95.65
Mocean #6551M Fleece liner (for Bike patrol only)	Mocean #6551M	\$ 51.85
Tru Spec #2012, H2O ECWS, parka with removable liner, black (SWAT only)	TruSpec #2012	\$ 74.85
IX. RAIN GEAR		
Neese # 447AT Rain jacket, yellow	Neese #447AJ	\$ 21.05
Neese #447PT Rain pants, yellow,	Neese #447PT	\$ 18.05
X. SAFETY VESTS		
ANSI 207-2006 Compliance #DC60 Public Safety Vest, Yellow, all sizes, LBPD – left chest, Police – front & back,	Tact Squad #DC60	\$ 21.95
Horace Small #1760 Reflectorized safety vest, Horace Small #1760	Horace Small	\$ 22.55

SECTION A (continued)	Manufacturer & Style #	Unit Price
XI. GLOVES		
Vanguard WG2000S - White cloth, wrist length, (Recruits issue only)	Hatch #WG2000S	\$ 2.55
White gloves with Palm Grip, (Honor Guard Only), Sizes S, M, Lg, XL, Vanguard #5801300 – 5801600 or approved equal	Vanguard #5801300 - 5801600	\$ 3.45
Tact Gear - Neoprene Glove for Detention Officers ?? (for Motors?)	Tact Squad #TG100	\$ 7.25
5.11 Tactical Gloves #59305 – TAC-NFOE Extended Black, cowskin leather, nomex fabric, full length flight glove with tactical touch (Air Support Only) or approved equal	5.11 #59305 - DISCONTINUED	DISCONTINUED
Black leather, wrist length, Hatch #RFK 300, or approved equal (Motors only)	Hatch #RFK300	\$ 18.55
Hatch # FM2000, Gauntlet, black leather glove, water resistant,	Hatch #FM2000	\$ 20.95
Wiley X, Durtac glove, #G400, black leather	Wiley X #G400	\$ 48.15
XII. TIES		
Smoothie, necktie, black, clip on or velcro,	Smoothie/S Broome	\$ 3.35
Smoothie, bow tie, black,	Smoothie/S Broome	\$ 3.35
Vanguard Ascot, #SW528, white,	Vanguard	\$ 6.25
Vanguard, Tie bars, gold in color 1/4" x 2",	Vanguard	\$ 2.45
XIII. NAME TAGS (CLIP-ON WITH LETTERING) & INSIGNIA		
Reeves #3300, 1 line, gold color metal bar, 3/8" x 2-1/4" with black or blue lettering	Reeves #3300LBU	\$ 3.99
Reeves #3300, 2 line, gold color metal bar, w/black letters	Reeves #3300LBU2	\$ 3.00
Reeves #3300, 1 line, silver metal bar, 3/8" x 2-1/4" w/black letters	Reeves #3300LBU3	\$ 3.00
Reeves #33001, Cloth name tape, black or forest green, w/embroidered letters	Reeves #33001	\$ 2.50
Vanguard, Commanding Officer insignia stars (pair)	Vanguard #7170200	\$ 5.05
Hero's Pride #4409, Lieutenants Bars, brass, small for shirts (pair)	Hero's Pride #4409	\$ 2.15
Hero's Pride #4424, Lieutenants Bars, brass, large for jackets (pair)	Hero's Pride #4424	\$ 2.30
SECTION A - Continued	Manufacturer & Style No.	Unit Price
Rothco #1801, Lieutenant Bars (subdued/black metal) (SWAT only)	Rothco #1801	\$ 1.55
Vanguard, Metal clip bands,	Vanguard #3088800	\$ 7.95
Cadet #269, Field Training Officer, gold pin,	Cadet #269	\$ 3.35
Mourning Bands – Black Elastic	Galls #LBU852	\$ 0.95
XIV. PATCHES, EMBROIDERY & SILK SCREEN (See attached photos)		
Patches/Embroidery		
Embroidered Badge	National LBU	\$ 7.45
Embroidered Badge – Full Color	National LBU	\$ 7.45
Embroidered Badge – Subdued	National LBU	\$ 7.45

Embroidered Badge – Investigator – Subdued	National LBU	\$ 7.45
Embroidered Badge – SPP Volunteer	National LBU	\$ 7.45
Shoulder Patch, National – LYPD Patch	National 080812	\$ 1.99
Shoulder Patch, National – Green	National	\$ 1.99
Shoulder Patch, National – Subdued	National	\$ 1.99
Shoulder Patch, National – Explorer	National	\$ 1.99
Shoulder Patch, National – Cadet	National	\$ 1.99
Shoulder Patch, National – Search & Rescue (not shown in photos)	National	\$ 1.99
Shoulder Patch, National – Crossing Guard	National	\$ 2.59
Embroidered K-9 Emblem, Dog Head, Rawlings #4	Rawling LBU4	\$ 1.00
Embroidered SWAT Eagle Patch	LBU CUSTOM	\$ 0.50
Embroidered Service Stars, Custom	LBU CUSTOM	\$ 5.00
Embroidered Service Wreaths, Custom	LBU CUSTOM	\$ 5.00
Embroidered Rank Insignia (Lts and above)	LBU CUSTOM	\$ 2.50
Chevrons – Sergeant (pair) – National	National	\$ 3.90
Chevrons – Corporal (pair) – National	National	\$ 3.90
Motor Officer Traffic Emblems (pair) – National	National	\$ 3.90
Non-Motor Officer Traffic Enforcement	National	\$ 2.00
Embroidered LYPD Medallion Patch	LBU CUSTOM	\$ 2.50
Air Support Unit – Pilot Name	LBU CUSTOM	\$ 2.50
Back patch – black with gold lettering, 3” x 8”, no border (for various divisions)	National LBU	\$ 2.99
Silk Screen		
Silk screen, badge #LBU06 - Screen Print Inc. #721,	LBU06	\$ 2.85
Silk screen, police transfer, white or gold, #LBU1216, Screen Print Inc. #268	LBU1216	\$ 2.85
Silk screen, shoulder patch, police transfer, white or gold, #LBU1217, Screen Print Inc. #244	LBU1217	\$ 1.95
Silk screen – Senior Police Partner logo	LBU CUSTOM	\$ 2.85
Section “A” Sub-Total		\$ 7,969.56*

*Section A Sub-Total includes Addendum 2 only. See Addendum 5 for additional items.

SECTION B – SHOES AND BOOTS		
Thorogood #834-6100 Oxford, low quarter, black, unisex - Polysole or approved equal (new recruits – shoe option #1)	Removed from bid per Addendum 3	
Thorogood #534-6047, Oxford, plain toe, women's shoes,	Thorogood #534-6047	\$ 64.65
Thorogood #834-6246, Chukka Boot, unisex, black leather, (new recruits – boot option#1)	Thorogood #834-6246	\$ 84.15
Thorogood #834-6047, Oxford, plain toe, black, women's	Removed from bid per Addendum 3	
Thorogood #834-6130, Oxford shoe, padded, black, low quarter, unisex (new recruits – shoe option #2)	Thorogood #834-6130	\$ 70.65
Thorogood #834-6041, Oxford, padded, high quarter, unisex (new recruits – boot option #2)	Thorogood #834-6041	\$ 36.75
Thorogood #831-6031, Corfram, black, low quarter, unisex (Honor Guard, Command Staff & Lieutenants only)	Thorogood #831-6031	\$ 33.35
Thorogood #831-6114, Corfram, black, high quarter, unisex (Honor Guard, Command Staff & Lieutenants only)	Thorogood #831-6114	\$ 71.15
Dehner #190999, Motor officer, custom boots, black	Dehner #190999	\$ 367.45
All American Boot # AA-905, Motor officer, custom boots, black	All American #AA-905	\$ 234.95
Rocky #1950-1, 9" High top boot, mens, all leather, black	Rocky #1950-1	\$ 103.35
Rocky Portland #2080, 8" High top boots, unisex ,Black,	Rocky #2080	\$ 112.00
Rocky Portland #800-1, High top boots, women's, black	Rocky #800-1	\$ 106.95
Rocky Portland #5248, 8" High top boots, unisex, black	Removed from bid per Addendum 3	
5.11 #12004, 8" High top boots, leather, unisex, black	5.11 #12004	\$ 88.25
5.11 #11001, Black leather high top, (SWAT)	5.11 #11001	\$ 108.95
5.11 #12001,8" side zip, Leather high top, (Boat Detail, K-9)	5.11 #12001	\$ 67.45
5.11 #12002, Tactical Boot, ATAC, Black, 6" Leather ¼ boot	5.11 #12002	\$ 62.25
5.11 #1104 Coyote Tan, leather high top (AOTC)	5.11 #11004	\$ 108.95
Chippewa # 27422, Custom Boots, (Air Support)	Chippewa #27422	\$ 145.00
5.11 #12003, Leather high top, size zip, (has Steel Toe/Composite Toe) Air Support	5.11 #12003	\$ 91.35
Side Zipper w/Composite Toe Boot, Magnum Stealth II #5310, (Steel Toe) Air Support	Magnum #5310	\$ 86.15
Section "B" Sub-Total		\$ 2,043.75

SECTION C – LEATHER GOODS AND ACCESSORIES		
I. POLICE OFFICERS AND SPECIAL SERVICE OFFICERS	Manufacturer & Style No.	Unit Price
1. Belts		
Sam Brown, Tex Shoemaker #201	Tex Shoemaker #201	\$ 50.75
Sam Brown, Aker # B03-BW	Aker #B03-BW	\$ 34.95
Sam Brown, 100% Clarino leather, high-gloss finish w/ shoulder strap, Marlow White Custom, #60-070 (Honor Guard)	Marlow White #60-070	\$ 94.00
Belt, Duty, lightweight, black, Bianchi #7960, Accu Mold Elite,	Bianchi #7960	\$ 42.65
5.11 Tactical Trainer Belt, #59409-019, black	5.11 #59409-019	\$ 22.25
5.11 Tactical Trainer Belt, #59409-190, green	5.11 #59409-190	\$ 22.25
5.11 Tactical Trainer Belt, #59409-175, camouflage	5.11 #59409-175	\$ 22.25
Dress belt, black basket weave, male or female, Chamber #6050-01	Chambers #6050-01	\$ 9.15
Dress belt, black, 1 ½ inch, plain leather, unisex, Chamber #6010-01	Chambers #6010-01	\$ 9.15
Belt, nylon for Bike Patrol, Bianchi #1992	Bianchi #7205	\$ 17.15
Bianchi Ranger Accumold Sam Browne, #7200, nylon	Bianchi #7200	\$ 30.25
2. Cases		
Handcuffs case, w/snaps or Velcro closures, Tex Shoemaker #204	Tex Shoemaker #204	\$ 24.35
Handcuffs case, w/snaps or Velcro closures, Aker A508-BW/A601-BW	Aker #508-BW/601-BW	\$ 22.45
Handcuff case, black basket weave, w/snaps or Velcro closures Safariland #90V	Safariland #90V	\$ 18.45
Handcuff case, black, w/snaps or Velcro closures Aker A500-BW	Aker #500-BW	\$ 20.45
Handcuff case, nylon gear, Bianchi Ranger Accu Mold #7300	Bianchi #7300	\$ 14.05
Handcuff case, one covered, single, Bianchi Accu Mold Elite, Model #7900	Bianchi #7900	\$ 18.25
3. Holders		
Baton Holder, Tex Shoemaker #82DM	Tex Shoemaker #82DM	\$ 18.95
Baton Holder, Aker #A551M	Aker #551M	\$ 8.55
Baton Holder, Bianchi Ranger #6404, standard	6404 removed from bid per Addenda 3 & 5	
Badge holder, leather w/chain, Safariland #7352-2	Safariland #7352-2	\$ 6.15
Badge holder, leather w/chain, Aker #A597	Aker #597	\$ 9.05
Key holder and ring, Tex Shoemaker #88 TH	Tex Shoemaker #88	\$ 19.25

SECTION C - Continued	Manufacturer & Style No.	Unit Price
Key holder and ring, Aker # A560-BW, basket weave leather flap	Aker #560-BW	\$ 7.95
Key Holder (Jail) 9mm single case, Tex Shoemaker #215A	Tex Shoemaker #215A	\$ 33.05
Key Holder (Jail), 9mm single case, Aker #A511	Aker #511	\$ 15.95
Key Holder, w/ black basketweave 2 snap leather strap, Aker #A561	Aker #561	\$ 7.55
Key Holder, Silent, black basketweave, leather, Aker #564 (\$9.85)	Aker #564	\$ 13.75
Key holder, nylon, Ranger #6405 or approved equal	Bianchi #6405	\$ 4.35
Key Holder, Silent, Bianchi, Accu Mold Elite, Model #7916,	Bianchi #7916	\$ 13.85
Radio Holder, Bianchi-200S #18755, Accu Mold Elite, Multi-fit radio holder, black, B/W size small (\$32.85)	Removed from bid per Addendum 3	
Radio Holder, Aker #281, Black, Basket Weave, leather (\$24.85)	Triple K #281	\$ 36.25
Radio Holder, Safariland #762-5-4, Basketweave leather, swivel (\$30.85)	Safariland #762-5-4	\$ 28.95
Radio Holder, nylon, Bianchi, Accu Mold Model #7914S, universal,	Added to Addendum 5 - pricing listed on Addendum 5	
Radio Holder, nylon, Bianchi #18520 (fixed)/18521(swivel) (\$28.25) Bianchi 18521 \$21.55	Bianchi #18520	\$ 18.05
Mace holder, nylon gear Bianchi Ranger Acc Mold #7303, black	Bianchi #7307	\$ 12.25
Mace holder, Tex Shoemaker #92, black basket weave leather	Tex Shoemaker #92	\$ 22.85
Mace holder, Aker #A570-BW / A575-BW, black basket weave leather	Aker #570-BW/575-BW	\$ 18.95
Mace Holder, Bianchi Accu Mold Elite #7907, black	Bianchi #7907	\$ 19.45
Flashlight holder, Aker A540/A540SB, black basket weave	Aker #540/540SB	\$ 7.75
4. Keepers		
Double snap, Tex Shoemaker #86	Tex Shoemaker #86	\$ 3.15
Double snap, Aker A531-BW	Aker #531-BW	\$ 1.95
Belt Keepers, nylon gear Bianchi #6406	Bianchi #6406	\$ 8.55
Belt Keepers, 4-pk, Bianchi Accu Mold Elite, Model #7906,	Bianchi #7906	\$ 8.05
5. Holsters		
Safety holster, automatic and revolver, double snap, Safariland "Rogers" #070	Safariland #070	\$ 102.05
Holster, Safariland "The Hood", #6280 for regular holsters,	Safariland #6280	\$ 94.25
Holster, Safariland "The Hood", #6280 with light, for regular holsters	Safariland #6280 with light	\$ 102.95
Holster, Safariland, "The Hood", #6285 for 1 ½ " Drop Holster,	Safariland #6285	\$ 94.25

SECTION C - Continued	Manufacturer & Style No.	Unit Price
Holster, Safariland, "The Hood", #6285 with light, for 1 ½ " Drop Holster,	Safariland #6285 with light	\$ 102.95
Holster, Safariland #6360 for regular holsters,	Safariland #6360	\$ 103.75
Holster, Safariland #6360 with light, for regular holsters,	Safariland #6360 with light	\$ 112.45
Holster, Safariland #6365 for 1 ½ drop holster,	Safariland #6365	\$ 103.75
Holster, Safariland #6365 with light, for 1 ½ drop holster,	Safariland #6365 with light	\$ 112.45
Holster, Clarino, 100% leather, high-gloss finish (specify firearm), Marlow White Custom, #60-075	Marlow White #60-075	\$ 49.95
Automatic and revolver, Safariland #200	Safariland #200	\$ 70.15
Duty belt, drop adapter black basket weave, Safariland #LBU325	Safariland #LBU325	\$ 40.05
Tactical Holster, SLS Safariland #6004 STX, black, tactical finish,	Safariland #6004	\$ 98.45
Tactical Holster, SLS Safariland #6004 STX with light, black, tactical finish,	Safariland #6004 with light	\$ 105.75
Tactical Holster, ALS/SLS, Safariland #6304 STX, black, tactical finish	Safariland #6304	\$ 112.75
Tactical Holster, ALS/SLS, Safariland #6304 with light, STX, black, tactical finish	Safariland #6304 with light	\$ 121.45
6. Magazine pouches		
Magazine pouch, 2 clip, double Safariland #77 (must fit all automatic clip sizes)	Safariland #77	\$ 24.15
Magazine pouch, 2 clip, double Aker A510-BW-2/A510-BW-3/A510-BW-4	Aker #510-BW-2	\$ 24.05
Magazine pouch, double, Bianchi, Accu Mold Elite, Model #7902,	Bianchi #7902	\$ 26.15
Magazine pouch, 4 clip, piggyback 215A4, (must fit all automatic clip sizes) Tex Shoemaker	Tex Shoemaker #215A4	\$ 40.50
Magazine pouch, 4 clip, piggyback (must fit all automatic clip sizes) Aker A510-BW-2/A510-BW-3/A510-BW-4	Aker #510-BW-4	\$ 36.75
Magazine pouch, nylon gear, Bianchi Ranger Accu Mold #7302 & 7303 Bianchi #7302 \$21.75	Bianchi #7303	\$ 12.25
Magazine pouch, quad, Aker #A510D-BW, basket weave, black leather	Aker #510D-BW	\$ 36.75
Bianchi #7345 added to bid per Addendum 3 - not added to total as no section was established: \$19.95		
II. MISCELLANEOUS		
Baton, 26", black, 2 nd growth hickory, AETCO #113126	Aetco #113126	\$ 8.25
Baton, 29", black, 22 oz., 2 nd growth hickory, AETCO #113129	Aetco #113129	\$ 8.85
Baton (Riot), 42", Kohart #100B, black wood	Kohart #100B	\$ 7.35
Grommet, AETCO, black rubber, 91R	Aetco #199060	\$ 1.90
Handcuffs, Peerless M700 nickel	Peerless #M700	\$ 19.55

Handcuffs, Smith & Wesson #103503*	Smith & Wesson #350103	\$ 19.65
Hobble Restraint, Safariland #H-100	Safariland #H-100	\$ 10.05
Whistles, police black plastic, Acme GM-27	Acme #GM-27	\$ 0.95
Loader, nylon gear, Bianchi Ranger Accumold Speedy #7301	Bianchi #7301	\$ 19.75
Section "C" Sub-Total		\$ 2,667.85*

*Section C Sub-Total includes Addendum 2 only. See Addendum 5 for additional items.

SECTION D – MISCELLANEOUS EQUIPMENT		
	Manufacturer & Model Number	Unit Price
50 citation metal holder, CHP or approved equal	Somar #CHP-50	\$ 14.65
Gas Mask Millenium, #1636-8 or TE319	Millenium #1636-8	\$ 287.05
Gas Mask Filter for Millenium, #1663 or TE306	Millenium #1663	\$ 37.35
Gas Mask Filter CS/CN for Millenium, #TE201	Millenium #TE201	\$ 33.05
Bag, gas mask, model #228-B,	Millenium #228-B	\$ 9.75
Bag, Helmet	MaxPro #1200	\$ 7.35
Ballistic Helmet, Max Pro Police BEL BA-3A, Level IIIA, with Paulson #DK5-H 1.50, hard mount face shield	MaxPro #BEL BA-3A + Paulson DK5-H 1.50	\$ 199.99
Knife, Spyderco, C-14SBK (K-9 & Port Security)	Spyderco #C-14SBK	\$ 59.55
Helmet, Super - Seer Corporation (must be CAL OSHA & DOT approved for Police Motor Officers) Model Schoie or approved equal CAL OSHA, SNELL Approved - see attached	Seer Schoie	\$ 361.05
5.11 Raid #52022, Safety Glasses, \$59.95 (Motors)	5.11 #52022	\$ 66.85
<u>SWAT Equipment</u>		
SWAT Gloves, Hatch – Operator Shorty, Tactical, #SOG-L50175, black or green	Hatch #SOG-L50 & SOG-L75	\$ 31.75
SWAT Gloves, Hatch – Operator, #SOG-600, black or green,	Hatch #SOG-600 & SOG-650	\$ 33.65
SWAT Knee Pads, Hatch – Hard, ASPI PN #45106 – black,	Hatch #KP250	\$ 11.25
SWAT Knee Pads, Hatch – Soft, ASPI PN #45110 0 – black,	Hatch #NK45	\$ 13.65
SWAT Knee Pads, Hatch Centurion – Hard, #KP250G	Hatch #KP250G	\$ 11.25
SWAT Knee & Elbow Pads, Hatch – Soft, #NK45	Hatch #NK45G	\$ 13.65
SWAT Elbow, Hatch - Hard, Tak #150	Hatch #XTAK150	\$ 9.25
<u>Cell Extraction tactical gear</u>		
Damascus FX-1 – FlexForce Crowd Control System w/ upper body & shoulder protection, forearm protector, thigh & groin protector, knee & shin guards & gear bag	Damascus #FX-1	\$ 299.25
Damascus CRT-100 Vector 1-Riot Control w/ Carbon-Tek Fiber Knuckles	Damascus #CRT-100	\$ 28.65
Damascus KH50L-B Lightweight Kevlar Hood 18" Length	Damascus #KH50L-B	\$ 8.95
Paulson BS-1-ND Body Shield, 20x36x0.125, 0.125 thickness	Paulson #BS-1-ND	\$ 68.65
Paulson BS-9-ND Body Shield, 24x48x0.250, 0.25 thickness	Paulson #BS-9-ND	\$ 117.35
Paulson CS-4-ND Capture Shield, 24x48x0.150, 0.15 thickness	Paulson #CS-4-ND	\$ 75.95
Paulson CS-8-ND Capture Shield, 20x36x0.150, 0.15 thickness	Paulson #CS-8-ND	\$ 70.75

SECTION D - Continued	Manufacturer & Model Number	Unit Price
ESS Profile Turbo Fan Goggles #740-0131	ESS #740-0131	\$ 115.05
Max Pro #CT-100 Police Correctional Helmet, Shield & Grid	MaxPro #CT-100	\$ 133.75
	Section "D" Sub-Total	\$ 2,119.44

SECTION E – ALTERATIONS / REPAIRS		
		Unit Price
1. Alter Seat In or Out	LBU CUSTOM	\$ 0.00
2. Sew Pocket Closed on Trouser	LBU CUSTOM	\$ 0.00
3. Adjust Crotch	LBU CUSTOM	\$ 0.00
4. Alter Waist	LBU CUSTOM	\$ 0.00
5. Hem Trouser	LBU CUSTOM	\$ 0.00
6. Taper Trouser Leg	LBU CUSTOM	\$ 25.00
7. Add Zipper	LBU CUSTOM	\$ 0.00
8. Repair hole/rip in Trouser	LBU CUSTOM	\$ 0.00
9. Repair hole/rip in shirt	LBU CUSTOM	\$ 0.00
10. Taper Shirt	LBU CUSTOM	\$ 0.00
11. Shorten Sleeve	LBU CUSTOM	\$ 0.00
12. Shorten Shirt Tail	LBU CUSTOM	\$ 0.00
13. Add trail to Shirt	LBU CUSTOM	\$ 0.00
14. Add Velcro on Pocket Flaps	LBU CUSTOM	\$ 0.00
15. Remove /Sew on Patch	LBU CUSTOM	\$ 0.00
16. Install Braid	LBU CUSTOM	\$ 10.00
17. Haix Boots resoling (1-pair)	LBU CUSTOM	\$ 64.00
18. Add snaps under collar	LBU CUSTOM	\$ 2.00
19. Add snap on placket	LBU CUSTOM	\$ 2.00
Embroidery		
a. Embroidered wreaths, Custom or approved equal	LBU CUSTOM	\$ 5.00
b. Embroidered stars, Custom or approved equal	LBU CUSTOM	\$ 5.00
Section "E" Sub-Total		\$ 113.00

SECTION F: CONCEALABLE & TACTICAL BODY ARMOR

The following are specifications for concealable and tactical body armor for the City of Long Beach. The below listed body armor has already been tested and evaluated and selected as the standard for the Police Department:

Concealable Vests (Estimated purchase of 100-250 concealable vests per year.)

The primary concealable vest will be the **American Body Armor Extreme Model XT01 Level II manufactured by Safariland Inc.**

- The Level II vests are required to meet the National Institute of Justice Level II rating ballistic NIJ standards-0101.06.
- The vest carrier must be navy blue and contain a pocket for a front trauma plate.
- The ballistic panel, without carrier, cannot exceed 0.93 lb. per sq. ft. and a thickness of 0.208 inches.

Officers will have the option of upgrading, at their own expense, to the **American Body Armor Extreme Model XT01 Level IIIA manufactured by Safariland Inc.**

- The Level IIIA vests are required to meet the National Institute of Justice Level IIIA rating ballistic NIJ standards-0101.06 and fragmentation certification under DEA protocol 2009.
- The vest carrier must be navy blue and contain a pocket for a front trauma plate.
- The ballistic panel, without carrier, cannot exceed 0.93 lb. per sq. ft. and a thickness of 0.208 inches.

Tactical Vests (Estimated purchase of 0-50 tactical vests per year.)

The tactical vests will be **Protech Tactial Model BA-3A00Z-BR01 Level IIIA manufactured by Safariland Inc.**

- The tactical vests are required to meet the National Institute of Justice Level IIIA rating ballistic NIJ standards-0101.06 and fragmentation certification under DEA protocol 2009.
- The vest carrier and pouches must be a MOLLE attachment system.
- The ballistic panel, without carrier, cannot exceed 1.12 lb. per sq. ft. and a thickness of .381 inches.
- The vest carrier must be available in both front opening and side opening models.

Bidder must provide the requested product from a manufacturer that meets the requirements and provides the requested information outlined below::

- The manufacturer must be in business and manufacturing ballistic body armor, for at least 5 years
- If the panels are subcontracted to another vendor, disclosure of the subcontractor. The subcontractor will be subject to the same requirements as the primary manufacture
- Established a solid reputation in the law enforcement community
- References from other departments, if requested
- Disclosure by the manufacturing company if they ever had a bullet penetration of a ballistic panel, from a round it was required to stop under the NIJ Standards. If so, the manufacture must provide documentation of the incident, circumstances and the disposition of any litigation, upon request
- Proof of liability insurance
- Disclosure of any criminal or civil litigation involving defective body armor or fraud over materials used
- Disclosure of filing of chapter 11 while operating under any company name
- Disclosure of operating under a different company name, while manufacturing ballistic body armor
- Meet current NIJ standards-0101.06 standards and currently posted on the Compliance Products List (pending certification does not qualify)
- Perform a performance evaluation, at least every 2 years, during the contract. It would include evaluating a vest, 2 years or older, which is currently being used. The ballistic panel would be evaluated for degradation and performance over the 2 years and a replacement vest, of the same type, would be given to the department. The performance evaluation will be performed at the manufacturer's laboratory, under NIJ standards. A department representative will be present during the evaluation. All of these actions would be at the expense of the manufacturer

BALLISTIC FIELD PANEL SHOOT

The manufacturer will be required to perform a ballistic panel field shoot, at their own expense, at the Long Beach Police Department Range. During the ballistic panel field shoot, the following will be evaluated:

- Demonstrate, during a ballistic panel field shoot, How the ballistic panel performs against rounds commonly encountered, which are beyond the NIJ Standard-0101.06
- Multiple hits on one location (stacking rounds), with Winchester 9MM, SXT 127 gr. +P+
- Shooting on angle from 30 and 45 degrees, with Winchester 9MM, SXT 127 gr. +P+
- Evaluation of back face deformation
- Edge shots within 1 inch, with a Winchester 9MM, SXT 127 gr. +P+

- Tab shot within 1 inch, with a Winchester 9MM, SXT 127 gr. +P+
- Shooting the panel until failure, with a Winchester 9MM, SXT 127 gr. +P+

SPECIAL THREAT ROUNDS

The vest will be tested against special threat rounds. It will be the opinion of the city designee whether the vest is acceptable after reviewing the performance of the ballistic panel against the below listed rounds:

- Speer 357 SIG 125 gr. GDHP
- Speer 44 MAG 240 gr. GDHP (Level IIIA only)
- Winchester 9MM 127 gr. +P+
- FN 5.7x28 SS197 40 gr.
- FN5.7X28 SS195 27 gr. HP
- Tokarev 7.62x25 Sellier Bellot 85 gr. FMJ
- Tokarev 7.62x25 72 gr. Mild Steel Core
- Speer .50 cal Gold Dot 325 gr. JSP
- Winchester .30 carbine 110 gr. HP, fired from a handgun
- Aguila 9MM 65 gr. HP Steel core
- Speer .357 Magnum 125 gr. Gold Dot HP
- MagSafe .45ACP, 85 gr. JHP

The following is a list of equipment required for the ballistic field panel shoot:

- Supply shooting fixture and Roma Plastilina modeling clay
- Supply guns and ammunition, including pistols in caliber 9MM. .40SW, .357 magnum, .357 Sig., .45ACP., .44 magnum, 7.62x 25 Tokarov, 5.57 FN, .30 carbine and .50 caliber handgun. The manufacture may provide additional firearms and ammunition, at their discretion and expense.
- Manufacturer to provide ammunition for the above listed pistols, including Special Threat ammunition
- Manufacturer to provide ammunition currently being deployed by the City of Long Beach. The manufacturer must contact the Police Department prior to the ballistic panel field shoot for a current list.
- If a specific weapon can only be provided by law enforcement, it will be provided by the City of Long Beach, if possible

- The Police Department may provide rounds that are out of the scope of the above described rounds, to evaluate the ballistic panel performance
- Chronograph
- Measuring device for back face deformation, in millimeters
- Basic firearms safety equipment for manufacture personnel
- All items, except the items the City of Long Beach has agreed to provide, will be at the manufacturer's expense

Failure to meet any of these requirements will result in disqualification of the bid process.

The bidder is REQUIRED to submit all data/pictures/specifications supporting the material or equipment that is being requested with bid documents.

MEASUREMENT/FITTING PROCESS AND DELIVERY TIME

Upon award, the vendor will provide personnel to measure/fit each officer individually, at a designated facility in the City of Long Beach. The vendor must be located within 40 miles of the city limits.

If the vendor is outside the City of Long Beach, they must provide at least 3 days a month and after hours availability, for fitting, with appointment. A maximum of 7 days will be given to the vendor to set up appointments. The vest must be delivered to the city employee, by the vendor, for verification of fitting, within 60 days of the fitting. The fitting standards must meet or exceed those set forward by Safariland.

Please state estimated time of delivery: 15 - 60 days

The City reserves the right to use delivery time as a consideration for award of bid.

EQUIPMENT CONDITION

The item(s) shall be new and unused, current model, with standard factory fittings, trim and accessories unless otherwise noted. Items shall not have been used as demonstrator(s) or for any other prior service.

PRICE AGREEMENT CONDITIONS

Prices shall be in accordance with those extended to other governmental agencies. Prices quoted shall exclude State and City sales tax, and Federal excise tax.

SECTION F – BODY ARMOR		
	Manufacturer & Model Number	Unit Price
Safariland XT01 Men's Level II concealable vest, 0101.06 standard, with navy blue AJ carrier. The carrier will include a front soft trauma plate (STP) and adjustment straps for length and girth.	Safariland BA-2000S-XT01	\$ 540.25
Safariland XT01F Women's Level II concealable vest, 0101.06 standard, with navy blue AJ carrier. The carrier will include a front soft trauma plate (STP) and adjustment straps for length and girth.	Safariland BA-2000S-XT01F	\$ 540.25
Safariland XT01 Men's Level IIIA concealable vest, 0101.06 standard, with navy blue AJ carrier. The carrier will include a front soft trauma plate (STP) and adjustment straps for length and girth.	Safariland BA-3A00S-XT01	\$ 651.65
Safariland XT01F Women's Level IIIA concealable vest, 0101.06 standard, with navy blue AJ carrier. The carrier will include a front soft trauma plate (STP) and adjustment straps for length and girth.	Safariland BA-3A00S-XT01F	\$ 651.65
Replacement AJ carrier for above vests	Safariland ABA-UAJS	\$ 55.75
Protech Rapid Response, BR01 ballistics, side opening, Tactical Vest w/ collar, Level IIIA Ballistics 0101.06 Standard. The ballistic cover will be MOLLE	Protech P6-RBR3-ZYK with BR01 Level IIIA	\$ 1,425.85
Protech Rapid Response F-1, BR01 ballistics, front opening, Tactical Vest w/ collar, Level IIIA Ballistics 0101.06 Standard. The ballistic cover will be MOLLE	Protech P6-SBRZ-ZYK with BR01 Level IIIA	\$ 1,670.85
Protech Bicep (Upper Arm) Protectors (pair) Level IIIA 0101.06 Standard BR01	Protech P6-A-BCP-BR3-YK with BR01 Level IIIA	\$ 245.05
Protech Throat Protector Level IIIA 0101.06, BR01	Protech P6-A-THRT-BR3-YK with BR01 Level IIIA	\$ 75.95
Protech Groin Protector Level IIIA 0101.06, BR01	Protech P6-A-GRN-BR3-YK with BR01 Level IIIA	\$ 163.05
Protech Tactical pouches including X26 Taser Holster (sets of 6). Pouches will be MOLLE	Protech	\$ 121.55
Protech Tactical Small ID Patch, black with White Letters "POLICE"	Protech EMBLEM E1-POLICE	\$ 10.95
Protech Tactical Large ID Patch, black with White Letters "POLICE"	Protech EMBLEM E2-POLICE	\$ 16.45

Protech MOLLE Identity Holder, 2" x 6"	Protech 1092356	\$ 9.15
Protech MOLLE Identity Holder, 3" x 8.5"	Protech 1092352	\$ 9.15
Protech Plate, 10"x12", Class IIIPLUS	Protech 1011418	\$ 394.95
Section "F" Sub-Total		\$ 6,582.50

SUMMARY OF BID SECTIONS

Section A – Basic Uniform Issue	\$	8,430.26	- 7969.86	= 460.70
Section B – Shoes and Boots	\$	2,043.75	/	
Section C – Leather Goods and Accessories	\$	2,804.80	- 2641.70	= 163.10
Section D – Miscellaneous Equipment	\$	2,119.44	/	
Section E – Alterations/Repairs	\$	113.00	/	
Grand Total:	\$	15,511.25		
Section F – Body Armor	\$	6,582.50	/	
Grand Total:	\$	6,582.50		

Diff.
460.70
Addendum Total
460.70
 = 136.95 =

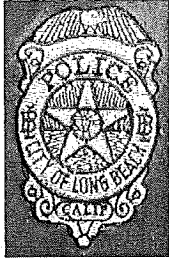
Delivery: 1-5 calendar days after receipt of order.
 (Delivery shall be made within five (5) calendar days after receipt of order. The ability to deliver sooner may be a factor in award.)

Warranty: 12 months on clothing, accessories, and equipment.
 (Requirement: 12 Months minimum after receipt of order.)

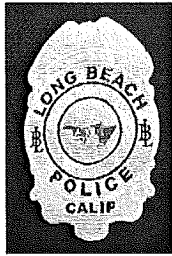
Payment Terms: 0% Net 30

Comments (if any): _____

“ATTACHMENT A”
LBDP UNIFORM EMBLEMS & PATCHES



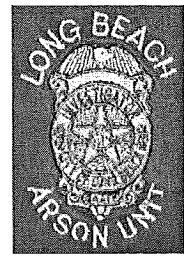
LBDP
Embroidered Badge



LBDP
Embroidered Badge
Full Color



LBDP
Embroidered Badge
Subdued



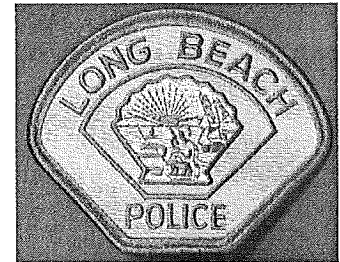
LBDP
Embroidered Badge
Investigator Subdued



SPP Volunteer
Embroidered Badge



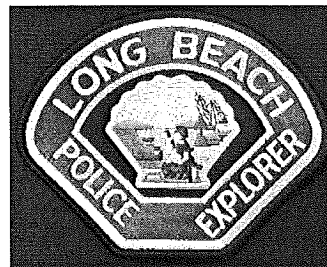
LBDP
Shoulder Patch



LBDP
Shoulder Patch Green



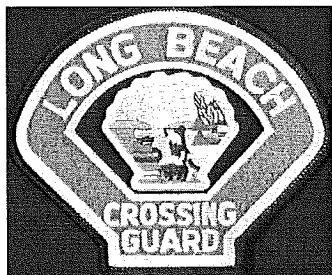
LBDP
Shoulder Patch Subdued



LBDP
Explorer Shoulder Patch



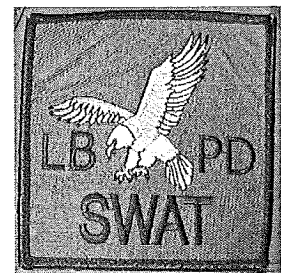
LBDP
Cadet Shoulder Patch



LB Crossing Guard
Shoulder Patch



Embroidered Canine Emblem



LBDP Swat Patch

“ATTACHMENT A”

LBDP UNIFORM EMBLEMS & PATCHES



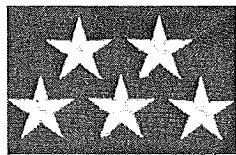
**Embroidered
Service Stars
5 years**



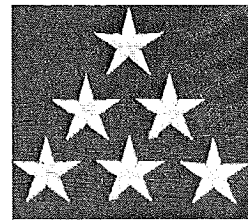
**Embroidered
Service Stars
10 years**



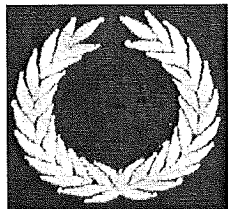
**Embroidered
Service Stars
15 years**



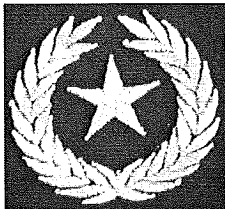
**Embroidered
Service Stars
25 years**



**Embroidered
Service Stars
30 years**



**Embroidered
Service Wreath
20 years**



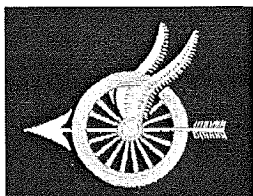
**Embroidered Service
Wreath and Star
25 years**



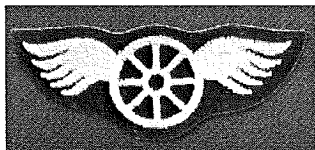
**Sergeant Chevrons
Patch**



**Corporal Chevrons
Patch**



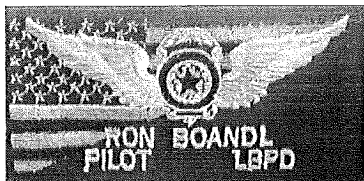
Motorcycle Officer Patch



**Non-Motorcycle Traffic
Enforcement Patch**



**Embroidered LBDP
Medallion**

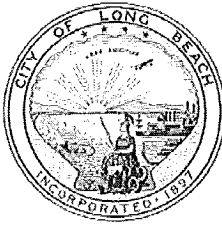


LBDP Fox Name Patch

ATTACHMENT B

SMALL BUSINESS ENTERPRISE PROGRAM

There will be a combined SBE/VSBE/LSBE goal of 5% on this contract.



CITY OF LONG BEACH

DEPARTMENT OF FINANCIAL MANAGEMENT
Business Relations Bureau

SMALL BUSINESS ENTERPRISE (SBE) PROGRAM

PARTICIPATION INSTRUCTIONS

Rev. June 3, 2011

PROJECT:

INSTRUCTIONS TO BIDDERS

SUMMARY

This Small Business Enterprise (“SBE”) Program shall apply to all City Manager Departments, in accordance to Ordinance NO. ORD-11-0010, adopted May 3, 2011 and enacted on July 8, 2011 (Attachment A).

Each prospective bidder who is successful in a bid to provide goods or services to the City must comply with the City’s SBE policy.

All prime bidders/proposers are required to submit a SBE/VSBE/LSBE Commitment Plan Form with their bid or proposal by the required due date to illustrate their intent to meet the SBE/VSBE/LSBE project goals.

If the prime bidder/proposer commitment plan does not illustrate intent to meet the combined SBE/VSBE/LSBE project goal, the bidder/proposer must submit a Good Faith Effort (GFE), and pass the GFE evaluation, for the bid/proposal to remain responsive.

The successful prime bidder/proposer will be required to submit a monthly SBE/VSBE/LSBE utilization report (MUR) (COLB FORM 3C or COLB FORM 3P). Staff will review and verify utilization and payments made to small businesses for compliance.

I. Small Business Enterprise (SBE) Certification

Only those Small Business Enterprises certified by City of Long Beach Business Relations Bureau shall be eligible for the fulfillment of the SBE participation goal. SBE listings may be obtained from the Department of Financial Management, Business Relations Bureau. If a Small Business Enterprise elects to compete for city business without being certified as such, they may do so, but any bid submitted will not be counted towards fulfillment of the SBE participation goal.

An SBE desiring certification with the City of Long Beach must complete the online certification process. The online certification process can be viewed and completed at the following link:

<http://www.longbeach.gov/purchasing>

Upon receipt, the Business Relations Bureau will review the application and determine SBE certification status. In addition, the vendor will be eligible to receive notices to bid on their selected commodities or services.

II. SBE Participation Goal

The overall participation goal in all procurement categories for Small Business Enterprise program participation will apply to all City Manager Departments.

The exception of goals established by the Manager of Business Relations Bureau on a contract-by-contract basis based on market availability and useful function within the contract.

The SBE Participation goal can be achieved in the following manner(s):

- a) **Non-SBE prime contractors/consultants** shall meet the combined SBE/VSBE/LSBE participation goal, or document and submit an acceptable good faith effort, for their bid or proposal to be deemed responsive.
- b) **SBE & LSBE prime contractors/consultants** are deemed to have met the SBE component of the combined SBE/LSBE participation goal, but shall meet the VSBE component of the goal, or document and submit an acceptable good faith effort, for their bid or proposal to be deemed responsive.
- c) **VSBE prime contractors/consultants** are deemed to have met both components of the combined SBE/VSBE participation goal, but shall meet the LSBE component of the goal, or document and submit an acceptable good faith effort, for their bid or proposal to be deemed responsive.

Small Business Enterprises – Eligibility Requirements

I. SBE, VSBE and LSBE Eligibility

- a) **SBE** eligibility is determined utilizing federal U.S. Small Business Administration (SBA) size standards either by the average gross annual revenue or by the number of employees, based on North American Industrial Classification System (NAICS) codes. The current table of size standards can be accessed on the SBA website www.sba.gov/about-sba-info/4562. Examples of maximum gross annual revenue averaged over the past three years to qualify as an SBE: general contractor \$33.5 million; specialty trade contractor \$14.0 million; engineering services \$4.5 million.
- b) **VSBE** eligibility is determined utilizing maximum allowable annual gross revenues consistent with those of the State of California's Department of

General Services' "micro-business" designation. The current guidelines for this designation can be accessed on the State of California's website at <http://www.pd.dgs.ca.gov/smbus/default.htm>.

- c) Local Small Business Enterprise (**LSBE**) eligibility shall be determined by the criteria established in Municipal Code section 2.84.030, subdivisions (1) and (2), which states: The business has to have a current, valid business license from the City of Long Beach showing a place of business within City limits; and have a current, valid seller's permit showing a place of business within City limits. In addition to the SBE eligibility criteria described in section a, above.

SBE/VSBE/LSBE Good Faith Effort

Good Faith Effort Evaluation Criteria for Contracts

A proposer whose bid/proposal fails to meet the SBE, VSBE or LSBE participation goal shall be found responsive if an acceptable Good Faith Effort (GFE) is demonstrated. The GFE should be submitted in a letter or memo showing the following information and attaching the related documentation in the bid packet. The following criteria shall be used in evaluating a proposer's GFE:

1. **Attend Pre-Proposal Meeting:** The bidder/proposer submitted written evidence that he/she attended the pre-bid/proposal conference.

Tip: To receive credit for attending the pre-bid/proposal meeting, the attendee must be a person who will be directly involved with the project, i.e., owner, project manager, etc. A copy of the sign-in sheet must be submitted. If no pre-proposal meeting is held, the bidder/proposer will receive 10 points credit for this criterion.

2. **Subdivide the Work:** The bidder/proposer prepared and followed a plan to subdivide the work into disciplines or work elements that could be economically performed by small businesses. It is the bidder's/proposer's responsibility to demonstrate that sufficient work was made available to SBEs, VSBEs and LSBEs to meet contract requirements (combined SBE/VSBE/LSBE goal established for that contract).

Tip: The work should be subdivided into categories or disciplines to allow for maximum SBE, VSBE and LSBE participation. For example:

<i>Name of Project:</i>	<u>Pipeline Relocation Design</u>
<i>Work Elements:</i>	Civil engineering – 70%
	Geotechnical – 10%
	Structural engineering – 10%

Mechanical engineering –10%

3. **Advertise:** The bidder/proposer submitted written evidence of commercial advertising for small business subconsultants, subcontractors, vendors and/or suppliers at least 14 calendar days prior to the bid/proposal due date. A copy of the advertisement, showing the advertisement date(s), name of publication, type of work and amount of work being solicited, must be provided.

Tip: A copy of the advertisement must be provided, including the date(s) of advertisement and name of the publication.

4. **Use Public Databases:** The bid/proposer submitted written evidence of using the **City's SBE/VSBE/LSBE** database, small business, minority business, and women-owned business associations, and chambers of commerce to help solicit small businesses. In addition, databases from the agencies below are available.

- Port of Long Beach
www.polb.com/sbe
- Metropolitan Water District
<http://www.mwdh2o.com/mwdh2o/pages/business/business01.html>
- Los Angeles Community College District
http://www.build-laccd.org/bidding_and_contracting/index.asp?pg=oao

5. **Provide Relevant Information to Small Businesses:** The bidder/proposer submitted written evidence that he/she has provided interested small businesses with information about the requirements of the contract, and how to obtain plans and specifications, at least 14 calendar days prior to the bid/proposal due date or as specified by City SBE staff.

Tip: Submitting the information included in the ad copy and also in direct written solicitations satisfies this requirement.

6. **Directly Solicit Small Businesses:** The bidder/proposer submitted written evidence of directly soliciting small business subconsultants. A copy of the written notices sent directly to SBEs, VSBEs and LSBEs must be provided. A direct solicitation should include the type of work, amount of work, and a brief specific description of the work being solicited.

Tip: Written evidence must include the following information: name of agency, name of project, company name, scope of work required, date of contact, method of contact (in-person, phone, fax, email), person contacted, result of

contact (waiting for response, waiting for bid/proposal, left message, no answer, etc.).

- 7. Conduct Follow-Up:** The bidder/proposer submitted written evidence of specific activities used to follow up initial solicitations in preparing the bid/proposal.

Tip: Follow-up activities must include documentation of repeat contact efforts if the first contact was unsuccessful.

- 8. Offer Assistance:** The bidder/proposer demonstrated that he/she has offered to assist small businesses in obtaining bonding, insurance or equipment.

Tip: Negotiations include give-and-take by both parties with the intention of reaching a mutually satisfactory agreement. This includes responding in writing to bids/proposals from small businesses.

- 9. Negotiate:** The bidder/proposer submitted written evidence that he/she has negotiated in good faith with interested small businesses. Documentation must include company name, contact person, method of contact, and specific items that were negotiated (scope of work, materials, equipment, insurance, bonding, personnel, timing of project, etc.)

Tip: Submitting the offer to assist with bonding/insurance/equipment included in the ad copy and also in direct written solicitations satisfies this requirement.

- 10. Document bid/proposal (price) and negotiation results:** For any negotiations which were unsuccessful and/or bids/proposals received but not accepted, the bidder/proposer submitted the unsuccessful proposer's company name, telephone number, contact person, price proposed, and the reason for rejecting the bid/proposal. If price was the reason for rejecting the bid/proposal, list the price bid by all the SBE/VSBE/LSBE and the low bidder for that element of work.

Note: For successful bids/proposals, Contractor must submit the name of the successful bidder/proposer(s) on COLB Form SBE-2C - SBE/VSBE/LSBE Commitment Plan for Construction Contracts or COLB Form SBE-2P for Professional Services Contracts. Please refer to the ITB or RFP for submittal deadlines.

Each of the 10 criteria will be assigned 10 points and will be graded with 0 or 10 points; there is no partial credit. The bidder/proposer must achieve a score of 70 out of a possible 100 points in order for the SBE Administrator to determine that the proposer has made an acceptable GFE.

SBE/VSBE/LSBE Commitment Plan/Utilization/Substitution

For SBE designated contracts or proposals, prime contractors must submit a completed SBE Commitment Plan Form (COLB FORM SBE-2C or COLB FORM SBE-2P) to the City of Long Beach, Business Relations Bureau listing information for each SBE to be used for contract goal satisfaction or a good faith effort explaining why the goal could not be reached. The Business Relations Bureau will approve the initial SBE commitment or good faith effort submitted by the prime contractor.

INSTRUCTIONS FOR COLB FORM SBE-2C: SBE/VSBE/LSBE COMMITMENT PLAN FOR CONSTRUCTION CONTRACTS

SECTIONS 1 AND 2 ARE TO BE COMPLETED BY THE PRIME CONTRACTOR.

INSTRUCTIONS FOR SECTION 2:

1. List all SBE/VSBE/LSBE subcontractors, vendors, suppliers, and other businesses that will render materials or services under this contract amendment. Only list SBEs/VSBEs/LSBEs.
2. If the prime contractor is an SBE/VSBE/LSBE, list the prime first.
3. For a firm to be counted toward meeting the SBE/VSBE/LSBE goals, the firm must be SBE certified on the City's online vendor database (*BidsOnLine*) accessible from the SBE/VSBE/LSBE Program page of the City's website (www.longbeach.gov/purchasing/sbe.asp).
4. The City does NOT issue VSBE certifications; VSBE eligibility will be reviewed and determined upon submittal of the Commitment Plan.
5. **The prime contractor must verify the current eligibility status of each SBE/VSBE/LSBE, prior to listing the firm(s) on the Commitment Plan, by:**
 - a. **locating the SBE/VSBE/LSBE on the City's website at (www.longbeach.gov/purchasing/sbe.asp).**
 - b. **contacting the City's SBE Program staff to verify SBE/VSBE/LSBE status.**
6. Lower tier SBE/VSBE/LSBE subcontractors and SBE/VSBE/LSBE vendors/suppliers rendering materials or services to lower tier subcontractors must also be listed to receive participation credit. **See examples listed in the table in Section 2.**

7. The City reserves the right to request proof of payment from the prime contractor/subcontractor to the lower tier sub/vendor/supplier prior to contract close-out.
8. **All SBEs/VSBEs/LSBEs, regardless of tier, MUST be SBE certified for the materials/services that they will be rendering for the contract.**
9. **All SBEs/VSBEs/LSBEs, regardless of tier, MUST provide materials/services directly applicable to the contract.**
10. When listing the total dollar value of each SBE/VSBE/LSBE subcontract, materials or services provided, the prime contractor shall subtract payments made for any indirect or non-applicable materials/ services.
11. Use multiple copies of this form if necessary.

**INSTRUCTIONS FOR COLB FORM SBE-2P:
SBE/VSBE/LSBE COMMITMENT PLAN FOR PROFESSIONAL SERVICES
CONTRACTS**

SECTIONS 1 AND 2 ARE TO BE COMPLETED BY THE PRIME CONTRACTOR.

INSTRUCTIONS FOR SECTION 2:

1. List all SBE/VSBE/LSBE subcontractors, vendors, suppliers, and other businesses that will render materials or services under this contract amendment. Only list SBEs/VSBEs/LSBEs.
2. If the prime contractor is an SBE/VSBE/LSBE, list the prime first.
3. For a firm to be counted toward meeting the SBE/VSBE/LSBE goals, the firm must be SBE certified on the City's online vendor database (*BidsOnLine*) accessible from the SBE/VSBE/LSBE Program page of the City's website (www.longbeach.gov/purchasing/sbe.asp).
4. The City does NOT issue VSBE certifications; VSBE eligibility will be reviewed and determined upon submittal of the Commitment Plan.
5. **The prime contractor must verify the current eligibility status of each SBE/VSBE/LSBE, prior to listing the firm(s) on the Commitment Plan, by:**
 - a. **locating the SBE/VSBE/LSBE on the City's website at (www.longbeach.gov/purchasing/sbe.asp).**
 - b. **contacting the City's SBE Program staff to verify SBE/VSBE/LSBE status.**

6. Lower tier SBE/VSBE/LSBE subcontractors and SBE/VSBE/LSBE vendors/suppliers rendering materials or services to lower tier subcontractors must also be listed to receive participation credit. **See examples listed in the table in Section 2.**
7. The City reserves the right to request proof of payment from the prime contractor/subcontractor to the lower tier sub/vendor/supplier prior to contract close-out.
8. **All SBEs/VSBEs/LSBEs, regardless of tier, MUST be SBE certified for the materials/services that they will be rendering for the contract.**
9. **All SBEs/VSBEs/LSBEs, regardless of tier, MUST provide materials/services directly applicable to the contract.**
10. When listing the total dollar value of each SBE/VSBE/LSBE subcontract, materials or services provided, the prime contractor shall subtract payments made for any indirect or non-applicable materials/ services.
11. Use multiple copies of the form if necessary.

During the term of the contract, the prime contractor shall be required to utilize all subcontractors listed on the commitment plan in the amount and percentage specified on the form, unless the City approves a change in the scope of work that would eliminate or reduce the utilization of a SBE, VSBE, or LSBE.

The prime Contractor/Consultant shall report the dollar value of payments to small businesses on a monthly basis and at project close-out. This data will be verified. Construction contractors shall submit a completed SBENSBE/LSBE Monthly Utilization Report for Construction Contracts (COLB FORM SBE 3C), and consultants shall submit a completed SBENSBE/LSBE Monthly Utilization Report for Professional Services Contracts (COLB FORM SBE 3P).

The Business Relations Bureau office is responsible for approving any revisions to the SBE commitment form approved by City of Long Beach.

If a prime Contractor substitutes an SBE/VSBE/LSBE vendor/supplier, the Contractor shall provide proof, to the satisfaction of SBE staff, that a good faith effort was made to replace that vendor's/supplier's participation percentage with another SBENSBE/LSBE firm, to meet the combined SBENSBE/LSBE participation percentage specified on the Contractor's SBENSBE/LSBE Commitment Plan. At project closeout, if the prime Contractor fails to meet the combined SBENSBE/LSBE participation percentage specified on its SBENSBE/LSBE Commitment Plan, or fails to provide proof that it made a good faith effort to do so, the Contractor may be considered to be in material breach of contract.

For a prime contractor to request a revision to its approved contract SBE commitment, it must submit a Substitution Replacement Form (COLB FORM SBE 4C or COLB FORM SBE 4P) to the City for approval. (Contact Business Relations Bureau at (562) 570-6200 or send an email at sbe@longbeach.gov for more information on this form.)

Upon receipt of this form, the City will implement the following procedure:

1. Contact the SBE subcontractor being terminated or replaced to verify information provided by the prime contractor.
2. Do not consider a more advantageous subcontract with another subcontractor as a valid reason for SBE subcontractor termination or replacement.
3. Ensure the substitution procedure outlined in the contract SBE Special Provision is followed prior to approving the termination or substitution of an approved SBE subcontractor.
4. Obtain a completed SBE Commitment Plan form from the prime contractor with original prime contractor and SBE subcontractor signatures, for any new or replacement SBE subcontractors to be added to the previously approved contract SBE commitment. Ensure the following information is included with the SBE Commitment Plan form:
 - o items and quantity of work to be performed
 - o materials being supplied
 - o dollar value of subcontract, materials or services
 - o total amount of SBE commitment
 - o if the SBE is a material supplier, an explanation of the function performed
5. Notify the prime contractor and the applicable City project manager or staff of the approval or denial of the SBE commitment revision. Forward the COLB Substitution/Change Form, the appropriate letter, and any file documentation to the prime contractor and City project management staff.

CONTACT INFORMATION and ASSISTANCE

For questions or assistance, please contact the Business Relations Bureau:

Department of Financial Management
Business Relations Bureau
333 W. Ocean Blvd., 7th Floor
Long Beach, CA 90802
(562) 570-6200 Telephone
(562) 570-5099 Fax
Email: sbe@longbeach.gov

For more information or to download SBE forms, please visit:
www.longbeach.gov/purchasing/sbe.asp



COLB FORM SBE-2P: SBE/VSBE/LSBE COMMITMENT PLAN FOR PROFESSIONAL SERVICES CONTRACTS

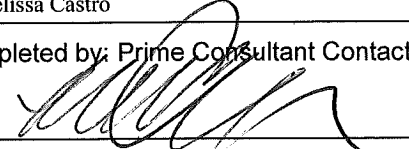
SECTION 1

Project Name:	Uniforms, Accessories & Miscellaneous Equipment (Police Department)	Date:	11/28/11
Prime Consultant:	Galls, an ARAMARK Company, LLC	Prime Contract \$ Amount:	\$22,107.55
Estimated \$ Value of Prime's Participation:	\$22,107.55	Estimated % of Prime's Participation:	100%
Estimated \$ Value of SBE Participation:	\$ 0.00	Estimated SBE % of Prime Contract \$ Amount:	0%
Estimated \$ Value of VSBE Participation:	\$ 0.00	Estimated VSBE % of Prime Contract \$ Amount:	0%
Estimated \$ Value of LSBE Participation:	\$ 0.00	Estimated LSBE % of Prime Contract \$ Amount:	0%

SECTION 2 (please refer to instructions on page 2)

Business Name, City, State, Contact Person, Phone #	Indicate "SBE", "VSBE" or LSBE	Indicate if 1 st Tier Sub, Lower Tier Sub, Vendor or Supplier	Contract With	Brief Description of Work	\$ Value of Subcontract, Materials or Services	% of Total Prime Contract Value
Ex #1: ABC Land Surveyors Long Beach, CA Mr. Joe Smith, (562) 555-1212	LSBE	1st tier sub	XYZ Prime Consultant	Land surveying	\$100,000	20%
Ex #2: Tom's Survey Supplies Long Beach, CA Mr. Tom Jones, (562) 555-1313	VSBE	Supplier	ABC Land Surveyors	Surveying supplies	\$5,000	1%
Ex #3: Banana Blueprints Irvine, CA Mrs. Diane Tomas, (562) 555-1313	SBE	Supplier	XYZ Prime Consultant	Blueprint Supplies	\$10,000	2%
Not Applicable - Outreach Completed; No Responses Received						

Melissa Castro

 Completed by: Prime Consultant Contact (please print or type)


 Signature

(562) 424-4646 ext. 46

 Phone #
 11/28/11

 Date Email castro-melissa@galls.com

**INSTRUCTIONS FOR COLB FORM SBE-2P:
SBE/VSBE/LSBE COMMITMENT PLAN FOR PROFESSIONAL SERVICES
CONTRACTS**

SECTIONS 1 AND 2 ARE TO BE COMPLETED BY THE PRIME CONTRACTOR.

INSTRUCTIONS FOR SECTION 2:

1. List all SBE/VSBE/LSBE subcontractors, vendors, suppliers, and other businesses that will render materials or services under this contract amendment. Only list SBEs/VSBEs/LSBEs.
2. If the prime contractor is an SBE/VSBE/LSBE, list the prime first.
3. For a firm to be counted toward meeting the SBE/VSBE/LSBE goals, the firm must be SBE certified on the City's online vendor database (*BidsOnLine*) accessible from the SBE/VSBE/LSBE Program page of the City's website (www.longbeach.gov/purchasing/sbe.asp).
4. The City does NOT issue VSBE certifications; VSBE eligibility will be reviewed and determined upon submittal of the Commitment Plan.
5. The prime contractor must verify the current eligibility status of each SBE/VSBE/LSBE, prior to listing the firm(s) on the Commitment Plan, by:
 - a. locating the SBE/VSBE/LSBE on the City's website at (www.longbeach.gov/purchasing/sbe.asp).
 - b. contacting the City's SBE Program staff to verify SBE/VSBE/LSBE status.
6. Lower tier SBE/VSBE/LSBE subcontractors and SBE/VSBE/LSBE vendors/suppliers rendering materials or services to lower tier subcontractors must also be listed to receive participation credit. **See examples listed in the table in Section 2.**
7. The City reserves the right to request proof of payment from the prime contractor/subcontractor to the lower tier sub/vendor/supplier prior to contract close-out.
8. **All SBEs/VSBEs/LSBEs, regardless of tier, MUST be SBE certified for the materials/services that they will be rendering for the contract.**
9. **All SBEs/VSBEs/LSBEs, regardless of tier, MUST provide materials/services directly applicable to the contract.**
10. When listing the total dollar value of each SBE/VSBE/LSBE subcontract, materials or services provided, the prime contractor shall subtract payments made for any indirect or non-applicable materials/ services.
11. Use multiple copies of this form if necessary.

ATTACHMENT C

EQUAL BENEFITS ORDINANCE

1 Section 1. Chapter 2.73 is added to the Long Beach Municipal Code to
2 read as follows:

3 Chapter 2.73

4 EQUAL BENEFITS TO EMPLOYEES OF CITY CONTRACTORS

5
6 2.73.010 Title and purpose.

7 This ordinance shall be known as the "Long Beach Equal Benefits
8 Ordinance". The purpose of this Chapter is to protect the public health,
9 safety and welfare by requiring that public funds be expended in such a
10 manner as to prohibit discrimination in the provision of employee benefits by
11 City contractors between employees with spouses and employees with
12 domestic partners, and/or between domestic partners and spouses of such
13 employees.

14
15 2.73.020 Definitions.

16 A. "Contractor" shall mean any person or persons, firm,
17 partnership, corporation, or combination thereof, who enters into a contract
18 with the City.

19 B. "Domestic partner" shall mean any person who has a currently
20 registered domestic partnership with a governmental body pursuant to state
21 or local law authorizing such registration or with his or her employer or his or
22 her domestic partner's employer.

23 C. "Non-profit" shall mean a non-profit organization described in
24 Section 501(c)(3) of the Internal Revenue Code of 1954 which is exempt
25 from taxation under Section 501(c)(3) of that Code, or any nonprofit
26 educational organization qualified under Section 23701(d) of the Revenue
27 and Taxation Code.

28 ///

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

2.73.030 Contractors subject to requirements.

A. The following contractors are subject to this Chapter:

1. For-profit entities which enter into an agreement with the City for public works or improvements to be performed, or for goods or services to be purchased, for an amount of One Hundred Thousand Dollars (\$100,000) or more; and

2. For-profit entities which generate Three Hundred Fifty Thousand Dollars (\$350,000) or more in annual gross receipts and which occupy City property pursuant to a written agreement for the exclusive use or occupancy of said property for a term exceeding twenty-nine (29) days in any calendar year.

B. The requirements of this Chapter shall only apply to those portions of a contractor's operations that occur (i) within the City; (ii) on real property outside the City if the property is owned by the City or if the City has a right to occupy the property, and if the contractor's presence at that location is connected to a contract with the City; and (iii) elsewhere in the United States where work related to a City contract is being performed. The requirements of this Chapter shall not apply to subcontracts or subcontractors of any contract or contractor.

C. The City Manager or designee will provide a report to the City Council regarding the implementation of this ordinance no later than one year following the effective date of this Ordinance, and will consider among other items, whether the dollar thresholds set forth in subsections (A) and (B) should be modified.

2.73.040 Non-discrimination in provision of benefits.

A. No contractor subject to this Chapter pursuant to Section 2.73.030 shall discriminate in the provision of bereavement leave, family

1 medical leave, health benefits, membership or membership discounts,
2 moving expenses, pensions and retirement benefits or travel benefits or in
3 the provision of any benefits other than bereavement leave, family medical
4 leave, health benefits, membership or membership discounts, moving
5 expenses, pensions and retirement benefits or travel benefits between
6 employees with domestic partners and employees with spouses, and/or
7 between the domestic partners and spouses of such employees except as
8 set forth in Subsections 2.73.040.A.1 and 2 below;

9 1. In the event that the contractor's actual cost of
10 providing a particular benefit for the domestic partner of an employee
11 exceeds that of providing it for the spouse of an employee, or the
12 contractor's actual cost of providing a particular benefit for the spouse of an
13 employee exceeds that of providing it for the domestic partner of an
14 employee, the contractor shall not be deemed to discriminate in the
15 provision of employee benefits if the contractor conditions providing such
16 benefit upon the employee agreeing to pay the excess costs.

17 2. The contractor shall not be deemed to discriminate in
18 the provision of employee benefits if, despite taking reasonable measure to
19 do so, the contractor is unable to extend a particular employee benefit to
20 domestic partners, so long as the contractor provides the employee with a
21 cash equivalent.

22 B. Provided that a contractor does not discriminate in the
23 provision of benefits between employees with spouses and employees with
24 domestic partners, a contractor may:

25 1. Elect to provide benefits to individuals in addition to
26 employees' spouses and employees' domestic partners;

27 2. Allow each employee to designate a legally domiciled
28 member of the employee's household as being eligible for spousal

1 equivalent benefits; or

2 3. Provide benefits neither to employees' spouses nor to
3 employees' domestic partners.

4 C. A contractor will not be deemed to be discriminating in the
5 provision of benefits where the implementation of policies ending
6 discrimination in benefits is delayed following the first award of a City
7 contract to a contractor after the effective date of this Chapter:

8 1. Until the first effective date after the first open
9 enrollment process following the date the contract with the City is executed,
10 provided that the contractor submits evidence that it is making reasonable
11 efforts to end discrimination in benefits. This delay may not exceed two (2)
12 years from the date the contract with the City is executed and only applies
13 to benefits for which an open enrollment process is applicable.

14 2. Until administrative steps can be taken to incorporate
15 nondiscrimination in benefits in the contractor's infrastructure. The timer
16 allotted for these administrative steps shall apply only to those benefits for
17 which administrative steps are necessary and may not exceed three (3)
18 months. An extension of this time may be granted at the discretion of the
19 City Manager upon the written request of a contractor, setting forth the
20 reasons that additional time is required.

21 3. Until the expiration of a contractor's current collective
22 bargaining agreement(s) where all of the following conditions have been
23 met:

24 a. The provision of benefits is governed by one or
25 more collective bargaining agreement(s); and

26 b. The contractor takes all reasonable measures to
27 end discrimination in benefits by either requesting that the union(s) involved
28 agree to reopen the agreement(s) in order for the contractor to take

1 whatever steps are necessary to end discrimination in benefits or by ending
2 discrimination in benefits without reopening the collective bargaining
3 agreement(s); and

4 c. In the event that the contractor cannot end
5 discrimination in benefits despite taking all reasonable measure to do so,
6 the contractor provides a cash equivalent to eligible employees for whom
7 benefits are not available. Unless otherwise authorized, in writing by the
8 City Manager, this cash equivalent payment must begin at the time the
9 union(s) refuse to allow the collective bargaining agreement(s) to be
10 reopened, or in any case no longer than three (3) months from the date the
11 contract with the City was executed. This cash equivalent payment shall not
12 be required where it is prohibited by federal labor law.

13 D. Employers subject to this Chapter pursuant to Section
14 2.73.030 shall give written notification to each current and new employee of
15 his or her potential rights under this Chapter in a form specified by the City.
16 Such notice shall also be posted prominently in areas where it may be seen
17 by all employees.

18
19 2.73.050 Required contract provisions.

20 Every contract subject to this Chapter shall contain provisions
21 requiring it to comply with the provisions of this Chapter as they exist on the
22 date when the contractor entered the contract with the City or when such
23 contract is amended. Such contract provisions may include but need not be
24 limited to the contractor's duty to promptly provide to the City documents
25 and information verifying its compliance with the requirements of this
26 Chapter and sanctions for noncompliance.

27 ///

28 ///

- 1 2.73.060 Waivers and exemptions.
- 2 A. The City may waive the requirements of this Chapter where
- 3 the City Manager makes one or more of the following findings:
- 4 1. Award of a contract or amendment is necessary to
- 5 respond to an emergency;
- 6 2. The contractor is a sole source;
- 7 3. The contractor is a non-profit entity as defined in
- 8 Section 2.73.020, above;
- 9 4. Non compliant contractors are capable of providing
- 10 goods or services that respond to the City's requirements;
- 11 5. The contractor is a public entity;
- 12 6. The requirements of this Chapter are inconsistent with
- 13 a grant, subvention or agreement with a public agency;
- 14 7. The City is purchasing through a cooperative or joint
- 15 purchasing agreement;
- 16 8. The contract involves specialized legal services such
- 17 that it would be in the best interests of the City to waive the requirements of
- 18 this Chapter, as determined by the City Attorney;
- 19 9. The contract involves investment of trust moneys or
- 20 agreements relating to the management of trust assets, City moneys
- 21 invested in U.S. government securities or under pre-existing investment
- 22 agreements, or the investment of City moneys where no person, entity or
- 23 financial institution doing business with the City which is in compliance with
- 24 this Chapter is capable of performing the desired transactions or the City will
- 25 incur financial loss if the requirements of this Chapter are enforced;
- 26 10. After taking all reasonable measures to find an entity
- 27 that complies with this Chapter, the City may waive any or all requirements
- 28 of this Chapter for any contract or bid package advertised and made

1 available to the public, or any competitive or sealed bids received by the
2 City as of the effective date of this Chapter under the following
3 circumstances:

4 a. There are no qualified responsive bidders or
5 prospective contractors who comply with this Chapter and the contract is for
6 goods, a service or a project that is essential to the City or City residents; or

7 b. The requirements of this Chapter would result in
8 the City's entering into a contract with an entity that was set up, or is being
9 used for the purpose of evading the intent of this Chapter.

10 B. The requirements of this Chapter shall not be applicable to
11 contracts executed or amended prior to the effective date of this Chapter, or
12 to bid packages advertised and made available to the public, or any
13 competitive or sealed bids received by the City prior to the effective date of
14 this Chapter, unless and until such contracts are amended after the effective
15 date of this Chapter and would otherwise be subject to this Chapter.

16 C. The City Manager or designee may issue regulations from
17 time to time implementing the provisions of this ordinance.

18 D. The City Manager shall report to the City Council annually on
19 the status of waivers and exemptions.

20
21 2.73.070 Retaliation and discrimination prohibited.

22 A. No employer shall retaliate or discriminate against an
23 employee in his or her terms and conditions of employment by reason of the
24 person's status as an employee protected by the requirements of this
25 Chapter.

26 B. No employer shall retaliate or discriminate against a person in
27 his or her terms and conditions of employment by reason of the person
28 reporting a violation of this Chapter or for prosecuting an action for

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

enforcement of this Chapter.

2.73.080 Employee complaints to City.

A. An employee who alleges violation of any provision of the requirements of this Chapter may report such acts to the City. The City Manager may establish a procedure for receiving and investigating such complaints and take appropriate enforcement action.

B. The City shall have the power to examine contractors' benefit programs covered by this Chapter.

C. Any complaints received shall be treated as confidential matters, to the extent permitted by law. Any complaints received and all investigation documents related thereto shall be deemed exempt from disclosure pursuant to California Government Code Sections 6254 and 6255.

2.73.090 Remedies.

A. Upon a finding by the City Manager that a contractor has violated the requirements of this Chapter, the City shall have the rights and remedies described in this Section, in addition to any rights and remedies provided at law or in equity.

1. The City Manager shall be authorized to terminate said contract and bar the contractor from bidding on future contracts with the City for three (3) years from the effective date of the contract termination.

2. In the City Manager's sole discretion, a contractor found to have willfully violated the requirements of this Chapter may be required to pay liquidated damages.

3. The City may seek recovery of reasonable attorneys' fees and costs necessary for enforcement of this Chapter.

OFFICE OF THE CITY ATTORNEY
ROBERT E. SHANNON, City Attorney
333 West Ocean Boulevard, 11th Floor
Long Beach, CA 90802-4664

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

B. Notwithstanding any provision of this Chapter or any other Chapter to the contrary, no criminal penalties shall attach for any violation of this Chapter.

C. No remedy set forth in this Chapter is intended to be exclusive or a prerequisite for asserting a cause of action to enforce any rights hereunder in a court of law. This Chapter shall not be construed to limit an employee's right to bring a common law cause of action for wrongful termination.

D. Nothing in this Chapter shall be interpreted to authorize a right of action against the City.

Section 2. The City Clerk shall certify to the passage of this ordinance by the City Council and cause it to be posted in three (3) conspicuous places in the City of Long Beach, and it shall take effect on the thirty-first (31st) day after it is approved by the Mayor.

///
///
///
///
///
///
///
///
///
///
///
///
///
///
///

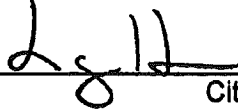
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

I hereby certify that the foregoing ordinance was adopted by the City Council of the City of Long Beach at its meeting of December 8, 2009, by the following vote:

Ayes: Councilmembers: Garcia, Lowenthal, DeLong,
O'Donnell, Schipske, Andrews,
Reyes Uranga, Gabelich, Lerch.

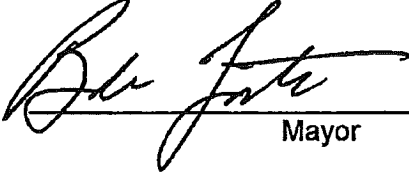
Noes: Councilmembers: None.

Absent: Councilmembers: None.



City Clerk

Approved: 12/11/09
(Date)



Mayor

OFFICE OF THE CITY ATTORNEY
ROBERT E. SHANNON, City Attorney
333 West Ocean Boulevard, 11th Floor
Long Beach, CA 90802-4664

EQUAL BENEFITS ORDINANCE DISCLOSURE

As a condition of being awarded a contract with the City of Long Beach ("City"), the selected Contractor/Vendor ("Contractor") may be required during the performance of the Contract, to comply with the City's nondiscrimination provisions of the Equal Benefits Ordinance ("EBO") set forth in the Long Beach Municipal Code section 2.73 et seq. The EBO requires that during the performance of the contract, the Contractor shall provide equal benefits to its employees with spouses and employees with domestic partners. Benefits include but are not limited to, health benefits, bereavement leave, family medical leave, membership and membership discounts, moving expenses, retirement benefits and travel benefits. A cash equivalent payment is permitted if an employer has made all reasonable efforts to provide domestic partners with access to benefits but is unable to do so. A situation in which a cash equivalent payment might be used if where the employer has difficulty finding an insurance provider that is willing to provide domestic partner benefits.

The EBO is applicable to the following employers:

- For-profit employers that have a contract with the City for the purchase of goods, services, public works or improvements and other construction projects in the amount of \$100,000 or more
- For-profit entities that generate \$350,000 or more in annual gross receipts leasing City property pursuant to a written agreement for a term exceeding 29 days in any calendar year

Contractors who are subject to the EBO must certify to the City before execution of the contract that they are in compliance with the EBO by completing the EBO Certification Form, attached, or that they have been issued a waiver by the City. Contractors must also allow authorized City representatives access to records so the City can verify compliance with the EBO.

The EBO includes provisions that address difficulties associated with implementing procedures to comply with the EBO. Contractors can delay implementation of procedures to comply with the EBO in the following circumstances:

- 1) By the first effective date after the first open enrollment process following the contract start date, not to exceed two years, if the Contractor/vendor submits evidence of taking reasonable measures to comply with the EBO; or
- 2) At such time that the administrative steps can be taken to incorporate nondiscrimination in benefits in the Contractor/vendor's infrastructure, not to exceed three months; or
- 3) Upon expiration of the contractor's current collective bargaining agreement(s).

Compliance with the EBO

If a contractor has not received a waiver from complying with the EBO and the timeframe within which it can delay implementation has expired but it has failed to comply with the EBO, the Contractor may be deemed to be in material breach of the Contract. In the event of a material breach, the City may cancel, terminate or suspend the City agreement, in whole or in part. The City also may deem the Contractor an irresponsible bidder and disqualify the Contractor from contracting with the City for a period of three years. In addition, the City may assess liquidated damages against the Contractor which may be deducted from money otherwise due the Contractor. The City may also pursue any other remedies available at law or in equity.

By my signature below, I acknowledge that the Contractor understands that to the extent it is subject to the provisions of the Long Beach Municipal Code section 2.73, the Contractor shall comply with this provision.

Printed Name: Larry Dismukes Title: President

Signature:  Date: November 14, 2011

Business Entity Name: Galls, an ARAMARK Company, LLC

EQUAL BENEFITS ORDINANCE CERTIFICATION OF COMPLIANCE

Section 1. CONTRACTOR/VENDOR INFORMATION

Name: Galls, an ARAMARK Company, LLC Federal Tax ID No. ██████████
Address: 2789 Long Beach Boulevard
City: Long Beach State: CA ZIP: 90806
Contact Person: Gregory Hodge Telephone: (859) 266-7227 ext. 1101
Email: hodge-greg@galls.com Fax: (800) 944-2557

Section 2. COMPLIANCE QUESTIONS

- A. The EBO is inapplicable to this Contract because the Contractor/Vendor has no employees. Yes No
- B. Does your company provide (or make available at the employees' expense) any employee benefits? Yes No
(If "yes," proceed to Question C. If "no," proceed to section 5, as the EBO does not apply to you.)
- C. Does your company provide (or make available at the employees' expense) any benefits to the spouse of an employee?
 Yes No
- D. Does your company provide (or make available at the employees' expense) any benefits to the domestic partner of an employee?
 Yes No (If you answered "no" to both questions C and D, proceed to section 5, as the EBO is not applicable to this contract. If you answered "yes" to both Questions C and D, please continue to Question E. If you answered "yes" to Question C and "no" to Question D, please continue to section 3.)
- E. Are the benefits that are available to the spouse of an employee identical to the benefits that are available to the domestic partner of an employee?
 Yes No
(If "yes," proceed to section 4, as you are in compliance with the EBO. If "no," continue to section 3.)

Section 3. PROVISIONAL COMPLIANCE

- A. Contractor/vendor is not in compliance with the EBO now but will comply by the following date:

_____ By the first effective date after the first open enrollment process following the contract start date, not to exceed two years, if the Contractor/vendor submits evidence of taking reasonable measures to comply with the EBO; or

_____ At such time that the administrative steps can be taken to incorporate nondiscrimination in benefits in the Contractor/vendor's infrastructure, not to exceed three months; or

_____ Upon expiration of the contractor's current collective bargaining agreement(s).

- B. If you have taken all reasonable measures to comply with the EBO but are unable to do so, do you agree to provide employees with a cash equivalent? (The cash equivalent is the amount of money your company pays for spousal benefits that are unavailable for domestic partners.)
_____ Yes _____ No

Section 4. REQUIRED DOCUMENTATION

At time of issuance of purchase order or contract award, you may be required by the City to provide documentation (copy of employee handbook, eligibility statement from your plans, insurance provider statement, etc.) to verify that you do not discriminate in the provision of benefits.

Section 5. CERTIFICATION

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that I am authorized to bind this entity contractually. By signing this certification, I further agree to comply with all additional obligations of the Equal Benefits Ordinance that are set forth in the Long Beach Municipal Code and in the terms of the contract of purchase order with the City.

Executed this 14th day of November, 2011, at Lexington, KY

Name Larry Dismukes

Signature 

Title President

Federal Tax ID No. 

ATTACHMENT D

W9

Request for Taxpayer Identification Number and Certification

Give form to the requester. Do not send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return) Galls, an ARAMARK Company LLC	
Business name, if different from above n/a	
Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ C.... <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶	
Address (number, street, and apt. or suite no.) PO Box 100376	Requester's name and address (optional)
City, state, and ZIP code Pasadena, CA 91189-0376	
List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number
or

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person	Date ▶ March 23, 2011
------------------	--------------------------	------------------------------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

ATTACHMENT E

DEBARMENT CERTIFICATION



ATTACHMENT

Debarment, Suspension, Ineligibility Certification

(Please read attached *Acceptance of Certification and Instructions for Certification* before completing)

This certification is required by federal regulations implementing Executive Order

1. The potential recipient of Federal assistance funds certifies, by submission of proposal, that:
 - Neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency;
 - Have not within three (3) year period preceding this bid/agreement/proposal had a civil judgment rendered against them for commission of fraud or been convicted of a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
 - Are not presently or previously indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in the above paragraph of this certification; and
 - Have not within a three (3) year period preceding this bid/agreement/proposal had one or more public (Federal, State, or local) transactions terminated for cause of default.
2. Where the potential prospective recipient of Federal assistance funds is unable to certify to any of the statement in this certification, such prospective participant shall attach an explanation to the applicable bid/agreement/proposal.



Signature of Authorized Representative

President

Title of Authorized Representative

Galls, an ARAMARK Company, LLC
Business/Contractor/ Agency

11/14/11

Date

Acceptance of Certification

1. This bid/agreement/proposal or like document has the potential to be a recipient of Federal funds. In order to be in compliance with Code of Federal Regulations, the City requires this completed form. By signing and submitting this document, the prospective bidder/proposer is providing the certification and acknowledgement as follows:
2. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549.
3. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective recipient of Federal assistance funds knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
4. The potential recipient of Federal assistance funds agrees by submitting this bid/agreement/proposal or like document that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

Instructions for completing the form, Attachment –Debarment Certification

1. The City of Long Beach sometimes receives Federal funding on certain purchases/projects. To ensure that the City is in compliance with Federal regulations we require this form to be completed.
2. The City of Long Beach checks the Excluded Parties List System at www.epis.gov to make sure that vendors who are awarded City contracts and/or purchase orders are not debarred or suspended. Prospective contractors should perform a search on this website for your company and or persons associated with your business. The finding that "Your search returned no results" is an indicator of compliance.
3. If your business is in compliance with the conditions in the form, please have the appropriate person complete and sign this form and return with your bid/proposal/agreement.
4. If at anytime, your business or persons associated with your business become debarred or suspend, we require that you inform us of this change in status.
5. If there are any exceptions to the certification, please include an attachment. Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception, indicate to whom it applies, initiating agency and dates of action.
6. Note: Providing false information may result in criminal prosecution or administrative sanctions.

If you have any questions on how to complete this form, please contact the City of Long Beach, Business Relations, Purchasing Division at 562-570-6200.

**PA-00412 POLICE DEPARTMENT UNIFORMS, ACCESSORIES & MISCELLANEOUS EQUIPMENT
WEDNESDAY OCTOBER 12, 2011 9:00 A.M.
MANDATORY PRE-BID CONFERENCE**

	Name	Company	Phone	Email Address
1	Jim REING	L.N. CURTIS	909 908 0603	jreing@lncurtis.com
2	Mike Lee	QUARTERMASTER	562 500 3837	mlee@qmuniforms.com
3	JAMES DUNCAN	QUARTERMASTER	562 309 7348	jaduncan@qmuniforms.com
4	John Brownlee	Quartermaster	562 417 3237	jbrownlee@qmuniforms.com
5	RYAN REYNOLDS	BLAUER MFG	208 631 0479	RREYNOLDS@BLAUER.COM
6	Dave House	Galls	562 522 2313	house-dave@galls.com
7	Lou Jaeger	Galls	562-243-0927	jaeger-lou@galls.com
8	TERESA BECK	ELBEED	916-833-8847	TBECK@ELBEED
9	Woody Smith	Flying Cross	714-262-6965	wsmith@techheimer.com
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Approximately 45% of the items are uniforms, 45% of the items are accessories, and 10% of the items are body armor.

Ad created on 10/18/2011 and placed on the following publications

<http://www.dbegoodfaith.com>

<http://trade.dbegoodfaith.com>

Focus Journal Ad

Published on www.dbegoodfaith.com, 10/18/2011 at 9:36AM

Estimator

Project Coordinator
Melissa Castro

Contact Information
2789 Long Beach Blvd.
Long Beach, CA
90806
Tel: 562-424-4646
Fax: 562-424-4654

**Galls, an ARAMARK Co.,
LLC**

is seeking qualified SBE, VSBE, LSBEs

Project Name

Uniforms, Accessories, & Miscellaneous Equipment (Police Department)

Awarding Agency

City of Long Beach

Project Location

Long Beach, Los Angeles, CA

Bid Date & Time

11/03/2011 at 11:00 A.M

Bid/Contract #

PA-01408

Project Details

We are looking for SBEs, VSBEs, and LSBEs to provide price quotes for assistance in providing Uniforms, Accessories, & Miscellaneous Equipment (Police Department) including body armor for the City of Long Beach. Approximately 45% of the items are uniforms, 45% of the items are accessories, and 10% of the items are body armor. We are also looking for price quotes for courier services to ship the items. This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department).

We are an equal opportunity employer. The plans and specs are available for your review at our office. Bonds will not be required from qualified subcontractors.

Trade Journal Ad

Published on www.trade.dbegoodfaith.com, 10/18/2011 at 9:36AM

Trade Journal Ad

Galls, an ARAMARK Co., LLC is Seeking Qualified

SBE, VSBE, LSBE

Bid Due Date : 11/03/2011 at 11:00 A.M Bid No : PA-01408

Contact Estimator :

Project Name : Uniforms, Accessories, & Miscellaneous Equipment (Police Department)
Agency Name : City of Long Beach
Project City : Long Beach
Project County : Los Angeles
Project State : CA
Project Details :

We are looking for SBEs, VSBEs, and LSBEs to provide price quotes for assistance in providing Uniforms, Accessories, & Miscellaneous Equipment (Police Department) including body armor for the City of Long Beach. Approximately 45% of the items are uniforms, 45% of the items are accessories, and 10% of the items are body armor. We are also looking for price quotes for courier services to ship the items. This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department).

Contact Details : Melissa Castro
2789 Long Beach Blvd.
Long Beach, CA 90806
Tel: 562-424-4646
Fax: 562-424-4654

We are an equal opportunity employer. The plans and specs are available for your review at our office. Bonds will not be required from qualified subcontractors.

Company Name	Address	City	State	Zip	Contact	Available MBEs	Phone	Fax	Business Type	NIGP	NAICS
BIG Studio	1247 E. Hill St	Signal Hill	CA	90755	MITCH KRON	mitch@bigstudio.com	562-989-2444	562-989-2447	OSB	20000-CLOTHING, APPAREL, UNIFORMS, A 96600-PRINTING AND RELATED SERVICES	323113-Commercial Screen Printing
embroidme	4250 atlantic ave	long beach ca	CA	90807		longbeachwest@embroidme.com	562-997-0240	562-997-0239	WBE	91001-Acoustical Ceilings and WALLS 08000-BADGES, EMBLEMS, NAME TAGS AND 08500-BAGS, BAGGING, TIES, AND FROST 20000-CLOTHING, APPAREL, UNIFORMS, A 91500-COMMUNICATIONS AND MEDIA RELAT 25500-DECALS AND STAMPS 26500-DRAPERIES, CURTAINS, AND LIPSTIC 34500-FIRST AID AND SAFETY EQUIPMENT 51000-LAUNDRY TEXTILES AND SUPPLIES 52000-LEATHER AND RELATED EQUIPMENT 55000-MARKERS, PLAQUES AND TRAFFIC C 55500-MARKING AND STENCILING DEVICES 59000-NOTIONS AND RELATED SEWING ACC 64500-PAPER (FOR OFFICE AND PRINT SH 73500-RAGS, SHOP TOWELS, AND WIPING	- 339999-All Other Miscellaneous Manufacturing 812099-All Other Miscellaneous Schools and Instruction 549999-All Other Miscellaneous Store Retailers (except Tobacco Stores)
JALLOS SYSTEMS, INCORPORATED	3201 N. Alameda St. Suite A	Compton	CA	90222	G. BERNARD BROWN	gbbrown1906@aol.com	310-605-4910	310-605-4914	MBE	80000-SHOES AND BOOTS 34500-FIRST AID AND SAFETY EQUIPMENT 57800-MISCELLANEOUS PRODUCTS 98300-RENTAL/LEASE CLOTHING & JANITORIAL EQUIP 20000-CLOTHING, APPAREL, UNIFORMS, A	313299-All Other Cut and Sew Apparel Manufacturing 313992-Glove and Mittent Manufacturing 424420-Medical, Dentary, and Hospital Equipment and Supplies Merchant Wholesalers 310219-Other Footwear Manufacturing 424999-Other Miscellaneous Nondurable Goods Merchant Wholesalers
Blue Goose Uniforms a Division of JCM and	5443 E. Washington Blvd.	Commerce	CA	90040-2105	RICHARD CRADY	richard@bluegooseuniforms.com	323-726-9040	323-726-8643	MBE,DBE	20000-CLOTHING, APPAREL, UNIFORMS, A	448150-Clothing Accessories Stores
Tactical Force Gear	501 S. Spring Street, 201	Los Angeles	CA	90013		jbiscailuz@tacticalforcegear.com	310-570-3727	480-247-4297		- 20000-CLOTHING, APPAREL, UNIFORMS, A	448150-Clothing Accessories Stores

Castro, Melissa

From: Mitch Kron [mitch@bigstudio.com]
Sent: Friday, October 21, 2011 12:40 PM
To: Castro, Melissa
Subject: Re: Bid #PA-01408 Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Melissa,

We appreciate the opportunity to participate in this bid process for Long Beach Police Department uniforms, accessories & miscellaneous equipment. Unfortunately we will not be able to quote #PA-01408 because we do not supply these types of materials. Thank you again for your consideration.

Regards,

Mitch Kron / BIG Studio Inc.
1247 E Hill Street / Signal Hill, CA 90755
Phone 562 989-2444 x23 / Fax 562 989-2447
mitch@bigstudio.com
www.bigstudio.com

----- Original Message -----

From: Castro, Melissa
To: mitch@bigstudio.com
Sent: Thursday, October 20, 2011 4:06 PM
Subject: Bid #PA-01408 Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Mitch,

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | ✉:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: Castro, Melissa

Sent: Thursday, October 20, 2011 4:06 PM

To: 'mitch@bigstudio.com'

Subject: Bid #PA-01408 Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Mitch,

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com



October 20, 2011

BIG Studio
1247 E. Hill Street
Signal Hill, CA 90755
Attn: Mitch Kron

Dear Mr. Kron:

We are looking for SBEs, VSBES, and LSBES to provide price quotes for assistance in providing Uniforms, Accessories, & Miscellaneous Equipment (Police Department) including body armor for the City of Long Beach. Approximately 45% of the items are uniforms, 45% of the items are accessories, and 10% of the items are body armor. We are also looking for price quotes for courier services to ship the items. This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). We are also looking for price quotes for courier services to ship the items. Would you kindly provide us with a price quote for any of the products or services listed above that you would be able to provide? This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). If you are interested in providing a quote, please contact me via phone, fax or e-mail, and I will immediately send you the specifics via fax or e-mail.

Any assistance that can be provided would be appreciated. Please send to:

Galls, an ARAMARK Co., LLC
Attn: Melissa Castro, Contracts Manager
2789 Long Beach Boulevard
Long Beach, CA 90806
Phone: (562) 424-4646 ext. 46
Fax: (562) 424-4654
Email: castro-melissa@galls.com

Sincerely,

A handwritten signature in black ink, appearing to read "Melissa Castro".

Melissa Castro
Contracts Manager
Galls, an ARAMARK Company, LLC

Castro, Melissa

From: EmbroidMe [embroidme562@gmail.com]
Sent: Tuesday, November 01, 2011 10:47 AM
To: Castro, Melissa
Subject: Re: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment

Ok
Thanks

On Mon, Oct 31, 2011 at 2:21 PM, Castro, Melissa <Castro-Melissa@galls.com> wrote:

Sooner is better, but no later than Wednesday, November 9. Thank you!

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | ✉:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

-----Original Message-----

From: EmbroidMe [mailto:embroidme562@gmail.com]
Sent: Monday, October 31, 2011 2:03 PM
To: Castro, Melissa
Subject: Re: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment

Hi

When do you need the quote?

On Mon, Oct 31, 2011 at 3:42 PM, Castro, Melissa <Castro-Melissa@galls.com> wrote:

Hi Martie,

Here is the letter I sent previously along with the product list. Please let me know if you will be able to provide a quote.

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: [562.424.4646](tel:562.424.4646) ext. 46 | Cell ☎:
[562.305.6176](tel:562.305.6176) | 📠: [562-424-4654](tel:562-424-4654) | ✉: castro-melissa@galls.com | www.galls.com

--

EmbroidMe
4250 Atlantic Ave.
Long Beach, CA. 90807
embroidme562@gmail.com
Phone (562)997-0240
Fax (562)997-0239

--

EmbroidMe
4250 Atlantic Ave.
Long Beach, CA. 90807
embroidme562@gmail.com
Phone (562)997-0240
Fax (562)997-0239

Castro, Melissa

From: Castro, Melissa
Sent: Monday, October 31, 2011 2:22 PM
To: 'EmbroidMe'
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment

Sooner is better, but no later than Wednesday, November 9. Thank you!

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📠:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

-----Original Message-----

From: EmbroidMe [<mailto:embroidme562@gmail.com>]
Sent: Monday, October 31, 2011 2:03 PM
To: Castro, Melissa
Subject: Re: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment

Hi

When do you need the quote?

On Mon, Oct 31, 2011 at 3:42 PM, Castro, Melissa <Castro-Melissa@galls.com> wrote:
Hi Martie,

Here is the letter I sent previously along with the product list. Please let me know if you will be able to provide a quote.

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176
| 📠: 562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

--

EmbroidMe
4250 Atlantic Ave.
Long Beach, CA. 90807
embroidme562@gmail.com
Phone (562)997-0240
Fax (562)997-0239

Castro, Melissa

From: Castro, Melissa

Sent: Thursday, October 20, 2011 4:07 PM

To: 'longbeachwest@embroidme.com'

Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: EmbroidMe [embroidme562@gmail.com]
Sent: Monday, October 31, 2011 2:03 PM
To: Castro, Melissa
Subject: Re: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment

Hi

When do you need the quote?

On Mon, Oct 31, 2011 at 3:42 PM, Castro, Melissa <Castro-Melissa@galls.com> wrote:

Hi Martie,

Here is the letter I sent previously along with the product list. Please let me know if you will be able to provide a quote.

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧: 562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

--

EmbroidMe
4250 Atlantic Ave.
Long Beach, CA. 90807
embroidme562@gmail.com
Phone (562)997-0240
Fax (562)997-0239

Castro, Melissa

From: Castro, Melissa

Sent: Monday, October 31, 2011 1:42 PM

To: 'embroidme562@gmail.com'

Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment

Hi Martie,

Here is the letter I sent previously along with the product list. Please let me know if you will be able to provide a quote.

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📠:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com



October 20, 2011

EmbroidMe
4250 Atlantic Avenue
Long Beach, CA 90807

To Whom It May Concern:

We are looking for SBEs, VSBES, and LSBES to provide price quotes for assistance in providing Uniforms, Accessories, & Miscellaneous Equipment (Police Department) including body armor for the City of Long Beach. Approximately 45% of the items are uniforms, 45% of the items are accessories, and 10% of the items are body armor. We are also looking for price quotes for courier services to ship the items. This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). We are also looking for price quotes for courier services to ship the items. Would you kindly provide us with a price quote for any of the products or services listed above that you would be able to provide? This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). If you are interested in providing a quote, please contact me via phone, fax or e-mail, and I will immediately send you the specifics via fax or e-mail.

Any assistance that can be provided would be appreciated. Please send to:

Galls, an ARAMARK Co., LLC
Attn: Melissa Castro, Contracts Manager
2789 Long Beach Boulevard
Long Beach, CA 90806
Phone: (562) 424-4646 ext. 46
Fax: (562) 424-4654
Email: castro-melissa@galls.com

Sincerely,

A handwritten signature in black ink, appearing to read 'Melissa Castro'.

Melissa Castro
Contracts Manager
Galls, an ARAMARK Company, LLC

Castro, Melissa

From: Castro, Melissa
Sent: Tuesday, November 15, 2011 10:40 AM
To: 'gbbrown1906@aol.com'
Subject: FW: Product Listing

Hi Bernard,

Please see below and attached the request I just talked to you about on the phone. Would you kindly respond as soon as possible?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

-----Original Message-----

From: Castro, Melissa
Sent: Thursday, October 20, 2011 4:32 PM
To: 'gbbrown1906@aol.com'
Subject: Product Listing

Hi Mr. Brown,

Thank you for your quick response. Please see attached the product listing from the bid.

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: Castro, Melissa
Sent: Thursday, October 20, 2011 4:32 PM
To: 'gbbrown1906@aol.com'
Subject: Product Listing

Hi Mr. Brown,

Thank you for your quick response. Please see attached the product listing from the bid.

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: Castro, Melissa

Sent: Thursday, October 20, 2011 4:08 PM

To: 'gbbrown1906@aol.com'

Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Mr. Brown,

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com



October 20, 2011

Jallos Systems, Inc.
3201 N. Alameda St. Suite A
Compton, CA 90222
Attention: G. Bernard Brown

Dear Mr. Brown:

We are looking for SBEs, VSBEs, and LSBEs to provide price quotes for assistance in providing Uniforms, Accessories, & Miscellaneous Equipment (Police Department) including body armor for the City of Long Beach. Approximately 45% of the items are uniforms, 45% of the items are accessories, and 10% of the items are body armor. We are also looking for price quotes for courier services to ship the items. This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). We are also looking for price quotes for courier services to ship the items. Would you kindly provide us with a price quote for any of the products or services listed above that you would be able to provide? This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). If you are interested in providing a quote, please contact me via phone, fax or e-mail, and I will immediately send you the specifics via fax or e-mail.

Any assistance that can be provided would be appreciated. Please send to:

Galls, an ARAMARK Co., LLC
Attn: Melissa Castro, Contracts Manager
2789 Long Beach Boulevard
Long Beach, CA 90806
Phone: (562) 424-4646 ext. 46
Fax: (562) 424-4654
Email: castro-melissa@galls.com

Sincerely,

A handwritten signature in black ink, appearing to read "Melissa Castro".

Melissa Castro
Contracts Manager
Galls, an ARAMARK Company, LLC

Castro, Melissa

From: Castro, Melissa
Sent: Friday, October 21, 2011 1:22 PM
To: 'richard@bluegooseuniforms.com'
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Richard,

Please see attached.

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

-----Original Message-----

From: richard@bluegooseuniforms.com [mailto:richard@bluegooseuniforms.com]
Sent: Friday, October 21, 2011 12:38 PM
To: Castro, Melissa
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Melissa:

Ok. Please send the product list. Thanks.

Richard Crady
Blue Goose Uniforms
Uniform Connection
JCM & Associates, Inc.
800-543-3732
<http://www.bluegooseuniforms.com>

From: Castro, Melissa [mailto:Castro-Melissa@galls.com]
Sent: Friday, October 21, 2011 12:25 PM
To: richard@bluegooseuniforms.com
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Richard,

We are bidding on the project – I am asking if you would be willing to provide quotes to us. Would you like to see the product list?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
☎: 562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

-----Original Message-----

From: richard@bluegooseuniforms.com [mailto:richard@bluegooseuniforms.com]
Sent: Friday, October 21, 2011 12:26 PM

To: Castro, Melissa

Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Melissa:

Not sure exactly how we could work together on this. But, we could consider bidding on the project, if that is the intent of the letter. Thanks.

Richard Crady
Blue Goose Uniforms
Uniform Connection
JCM & Associates, Inc.
800-543-3732
<http://www.bluegooseuniforms.com>

From: Castro, Melissa [mailto:Castro-Melissa@galls.com]

Sent: Thursday, October 20, 2011 4:09 PM

To: richard@bluegooseuniforms.com

Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Mr. Crady,

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell 📱:
562.305.6176 | 📠: 562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: richard@bluegooseuniforms.com
Sent: Friday, October 21, 2011 12:38 PM
To: Castro, Melissa
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Melissa:

Ok. Please send the product list. Thanks.

Richard Crady
Blue Goose Uniforms
Uniform Connection
JCM & Associates, Inc.
800-543-3732
<http://www.bluegooseuniforms.com>

From: Castro, Melissa [mailto:Castro-Melissa@galls.com]
Sent: Friday, October 21, 2011 12:25 PM
To: richard@bluegooseuniforms.com
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Richard,

We are bidding on the project – I am asking if you would be willing to provide quotes to us. Would you like to see the product list?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

-----Original Message-----

From: richard@bluegooseuniforms.com [mailto:richard@bluegooseuniforms.com]
Sent: Friday, October 21, 2011 12:26 PM
To: Castro, Melissa
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Melissa:

Not sure exactly how we could work together on this. But, we could consider bidding on the project, if that is the intent of the letter. Thanks.

Richard Crady
Blue Goose Uniforms
Uniform Connection
JCM & Associates, Inc.
800-543-3732
<http://www.bluegooseuniforms.com>

From: Castro, Melissa [mailto:Castro-Melissa@galls.com]
Sent: Thursday, October 20, 2011 4:09 PM
To: richard@bluegooseuniforms.com
Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Mr. Crady,

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176
| 📠: 562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: richard@bluegooseuniforms.com
Sent: Friday, October 21, 2011 12:26 PM
To: Castro, Melissa
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Melissa:

Not sure exactly how we could work together on this. But, we could consider bidding on the project, if that is the intent of the letter. Thanks.

Richard Crady
Blue Goose Uniforms
Uniform Connection
JCM & Associates, Inc.
800-543-3732
<http://www.bluegooseuniforms.com>

From: Castro, Melissa [mailto:Castro-Melissa@galls.com]
Sent: Thursday, October 20, 2011 4:09 PM
To: richard@bluegooseuniforms.com
Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Mr. Crady,

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell 📱: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: Castro, Melissa
Sent: Friday, October 21, 2011 12:25 PM
To: 'richard@bluegooseuniforms.com'
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Richard,

We are bidding on the project – I am asking if you would be willing to provide quotes to us. Would you like to see the product list?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

-----Original Message-----

From: richard@bluegooseuniforms.com [mailto:richard@bluegooseuniforms.com]
Sent: Friday, October 21, 2011 12:26 PM
To: Castro, Melissa
Subject: RE: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Melissa:

Not sure exactly how we could work together on this. But, we could consider bidding on the project, if that is the intent of the letter. Thanks.

Richard Crady
Blue Goose Uniforms
Uniform Connection
JCM & Associates, Inc.
800-543-3732
<http://www.bluegooseuniforms.com>

From: Castro, Melissa [mailto:Castro-Melissa@galls.com]
Sent: Thursday, October 20, 2011 4:09 PM
To: richard@bluegooseuniforms.com
Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Mr. Crady,

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.
2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176
| 📧: 562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: Castro, Melissa
Sent: Thursday, October 20, 2011 4:09 PM
To: 'richard@bluegooseuniforms.com'
Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Hi Mr. Crady,

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📠:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com



October 20, 2011

Blue Goose Uniforms, a Division of JCM and Associates
5443 E. Washington Blvd.
Commerce, CA 90040-2105
Attention: Richard Crady

Dear Mr. Crady:

We are looking for SBEs, VSBEs, and LSBEs to provide price quotes for assistance in providing Uniforms, Accessories, & Miscellaneous Equipment (Police Department) including body armor for the City of Long Beach. Approximately 45% of the items are uniforms, 45% of the items are accessories, and 10% of the items are body armor. We are also looking for price quotes for courier services to ship the items. This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). We are also looking for price quotes for courier services to ship the items. Would you kindly provide us with a price quote for any of the products or services listed above that you would be able to provide? This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). If you are interested in providing a quote, please contact me via phone, fax or e-mail, and I will immediately send you the specifics via fax or e-mail.

Any assistance that can be provided would be appreciated. Please send to:

Galls, an ARAMARK Co., LLC
Attn: Melissa Castro, Contracts Manager
2789 Long Beach Boulevard
Long Beach, CA 90806
Phone: (562) 424-4646 ext. 46
Fax: (562) 424-4654
Email: castro-melissa@galls.com

Sincerely,

A handwritten signature in black ink, appearing to read 'Melissa Castro', with a horizontal line underneath.

Melissa Castro
Contracts Manager
Galls, an ARAMARK Company, LLC

Castro, Melissa

From: Castro, Melissa
Sent: Monday, October 31, 2011 1:34 PM
To: 'Jbiscailuz@tacticalforcegear.com'
Subject: Product List

Here is the product list from the LBPD bid for uniforms and equipment. Please let me know if you will be able to quote this opportunity.

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com

Castro, Melissa

From: Castro, Melissa

Sent: Thursday, October 20, 2011 4:09 PM

To: 'Jbiscailuz@tacticalforcegear.com'

Subject: Request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach

Please see attached request for quote for Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department) for the City of Long Beach. Would you be able to respond?

Thank you,

Melissa Castro | Contracts Manager | Galls, Inc.

2789 Long Beach Boulevard | Long Beach, CA 90806 | ☎: 562.424.4646 ext. 46 | Cell ☎: 562.305.6176 | 📧:
562-424-4654 | ✉: castro-melissa@galls.com | www.galls.com



October 20, 2011

Tactical Force Gear
501 S. Spring Street, 201
Los Angeles, CA 90013

Dear To Whom It May Concern:

We are looking for SBEs, VSBES, and LSBES to provide price quotes for assistance in providing Uniforms, Accessories, & Miscellaneous Equipment (Police Department) including body armor for the City of Long Beach. Approximately 45% of the items are uniforms, 45% of the items are accessories, and 10% of the items are body armor. We are also looking for price quotes for courier services to ship the items. This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). We are also looking for price quotes for courier services to ship the items. Would you kindly provide us with a price quote for any of the products or services listed above that you would be able to provide? This is in response to the City of Long Beach's Invitation to Bid #PA-01408 for Uniforms, Accessories, & Miscellaneous Equipment (Police Department). If you are interested in providing a quote, please contact me via phone, fax or e-mail, and I will immediately send you the specifics via fax or e-mail.

Any assistance that can be provided would be appreciated. Please send to:

Galls, an ARAMARK Co., LLC
Attn: Melissa Castro, Contracts Manager
2789 Long Beach Boulevard
Long Beach, CA 90806
Phone: (562) 424-4646 ext. 46
Fax: (562) 424-4654
Email: castro-melissa@galls.com

Sincerely,

A handwritten signature in black ink, appearing to read "Melissa Castro".

Melissa Castro
Contracts Manager
Galls, an ARAMARK Company, LLC

Call Log

Company	Telephone	Contact	Who Called	Time	Date	Result
BIG Studio	(562) 989-2444	Mitch Kron	Melissa	4:06 PM	10/20/2011	Emailed request - Awaiting response
Embroidme	(562) 997-0240	Martie	Melissa	4:07 PM	10/20/2011	Emailed request - Awaiting response
Jallos Systems, Inc.	(310) 605-4910	G. Bernard Brown	Melissa	4:08 PM	10/20/2011	Emailed request - Awaiting response
Blue Goose Uniforms	(323) 726-9040	Richard Crady	Melissa	4:09 PM	10/20/2011	Emailed request - Awaiting response
Tactical Force Gear	(310) 570-3727	Mr. Biscailuz	Melissa	4:09 PM	10/20/2011	Emailed request - Awaiting response
Jallos Systems, Inc.	(310) 605-4910	G. Bernard Brown	G. Bernard	4:16 PM	10/20/2011	Requested product list
Jallos Systems, Inc.	(310) 605-4910	G. Bernard Brown	Melissa	4:32 PM	10/20/2011	Emailed product list
Blue Goose Uniforms	(323) 726-9040	Richard Crady	Richard	12:26 PM	10/21/2011	Emailed clarification request
Blue Goose Uniforms	(323) 726-9040	Richard Crady	Melissa	12:25 PM	10/21/2011	Emailed clarification
Blue Goose Uniforms	(323) 726-9040	Richard Crady	Richard	12:38 PM	10/21/2011	Emailed request for product list
BIG Studio	(562) 989-2444	Mitch Kron	Mitch	12:40 PM	10/21/2011	Cannot quote this opportunity
Blue Goose Uniforms	(323) 726-9040	Richard Crady	Melissa	1:22 PM	10/21/2011	Emailed product list
Tactical Force Gear	(310) 570-3727	Mr. Biscailuz	Mr. Biscailuz	8:59 AM	10/31/2011	Called requesting product list
Tactical Force Gear	(310) 570-3727	Mr. Biscailuz	Melissa	1:34 PM	10/31/2011	Emailed product list
Embroidme	(562) 997-0240	Martie	Melissa	1:40 PM	10/31/2011	Called - email not received - was given new email address
Embroidme	(562) 997-0240	Martie	Melissa	1:42 PM	10/31/2011	Emailed original letter & product list
Jallos Systems, Inc.	(310) 605-4910	G. Bernard Brown	Melissa	10:31 AM	11/15/2011	Does not recall request - resend via email
Blue Goose Uniforms	(323) 726-9040	Richard Crady	Melissa	10:32 AM	11/15/2011	Unable to quote - will send email to confirm
Tactical Force Gear	(310) 570-3727	Mr. Biscailuz	Melissa	10:35 AM	11/15/2011	Will check with staff
Embroidme	(562) 997-0240	Martie	Melissa	10:36 AM	11/15/2011	Stated she responded via email, not received. Requested that she resend response.
Jallos Systems, Inc.	(310) 605-4910	G. Bernard Brown	Melissa	10:40 AM	11/15/2011	Resent quote request via email
Jallos Systems, Inc.	(310) 605-4910	G. Bernard Brown	G. Bernard Brown	4:03 PM	11/16/2011	Unable to quote
Tactical Force Gear	(310) 570-3727	Mr. Biscailuz	Melissa	9:08 AM	11/22/2011	Unable to quote
Embroidme	(562) 997-0240	Martie	Melissa	9:10 AM	11/22/2011	Not in the office, please call back at 9:30 am
Embroidme	(562) 997-0240	Martie	Melissa	9:52 AM	11/22/2011	Not in the office, left message
Embroidme	(562) 997-0240	Martie	Melissa	4:13 PM	11/23/2011	Not in the office, left message

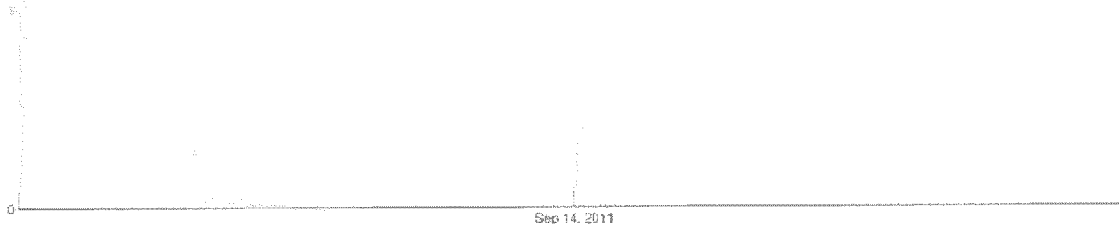
Bid Recap

Company	Sub-bidder selected
Outreach Completed - No Responses Received.	No

Sales

Sales

Show Report For: All Websites



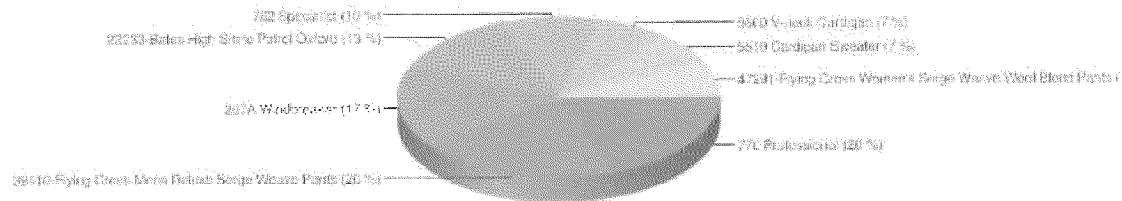
Range: Custom date range From: 09/13/11 To: 09/15/11 Show by: Day Total Refresh Export to CSV Export

Period	Number of Orders	Items Ordered	Subtotal	Tax	Shipping	Discounts	Total	Involved	Refunded
Sep 13, 2011	3	6	\$296.54		\$24.50	\$0.00	\$0.00	\$0.00	\$0.00
Sep 14, 2011	3	19	\$227.61		\$54.10	\$23.88	\$0.00	\$0.00	\$0.00
Sep 15, 2011	3	5	\$188.85		\$13.20	\$21.88	\$0.00	\$0.00	\$0.00
Total	14	30	11,313.70		\$91.81	\$45.96	\$0.00	\$0.00	\$0.00

Bestsellers

Bestsellers

Show Report For: All Websites



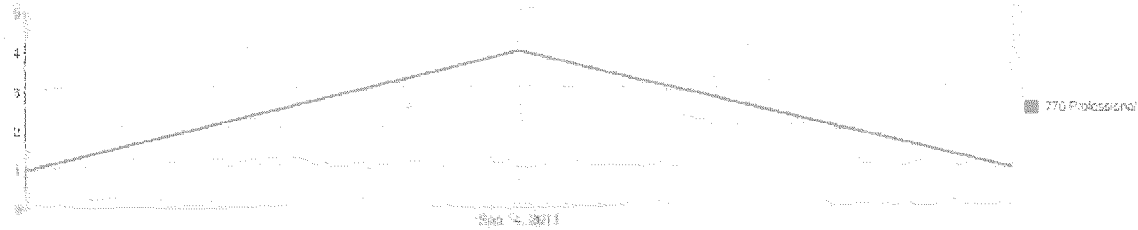
Range: Custom date range From: 09/13/11 To: 09/15/11 Quantity: Download: CSV

#	SKU	Product Name	Total	Percent	Quantity	Total	Actions
1	770	770 Professional		20 %	6	\$257.94	View
2	39410	39410-Flying Cross Mens Deluxe Sarge Weave Pants		20 %	6	\$67.94	View
3	201A	201A Winchbreaker		17 %	5	\$257.95	View
4	22223	22223-Bates High Shine Patrol Oxford		13 %	4	\$239.96	View
5	762	762 Specialist		10 %	3	\$113.07	View
6	5600	5600 V-neck Cardigan		7 %	2	\$109.99	View
7	5510	5510 Cardigan Sweater		7 %	2	\$107.99	View
8	47281	47281-Flying Cross Women's Sarge Weave Wool Blend Pants		7 %	2	\$57.98	View
Total						30	\$1,315.70

Sales by Product

Sales by Product

Show Report For: All Websites



SKU: 770 Range: Custom date range From: 09/13/11 To: 09/15/11 Show By: Day Quantity Export to: Excel

Period	Quantity
Sep 13, 2011	1
Sep 14, 2011	4
Sep 15, 2011	1
Total	6

Most Viewed

Most Viewed

Show Report For: **All Websites**

From: **09/3/11** To: **09/15/11** Show By: **Day** [Refresh](#)

Export to: **CSV** [Print](#)

Period	Product Name	Price	Number of Views
Sep 12, 2011	39410-Flying Cross Mens Deluxe Serge Weave Pants	\$27.99	26
	231A Windbreaker	\$49.99	10
	22233-Bates High Shine Patrol Oxford	\$59.99	7
	770 Professional	\$42.09	3
	530C V-neck Cardigan	\$59.99	1
Sep 14, 2011	Flying Cross 100% Wool Men's Service Shirt, Long Sleeve, Navy	\$66.86	37
	261A Windbreaker	\$46.99	12
	39410-Flying Cross Mens Deluxe Serge Weave Pants	\$27.99	11
	22233-Bates High Shine Patrol Oxford	\$59.99	6
Sep 15, 2011	770 Professional	\$42.09	8
	39410 Flying Cross Mens Deluxe Serge Weave Pants	\$27.99	6
	22233-Bates High Shine Patrol Oxford	\$59.99	5
	47291-Flying Cross Women's Serge Weave Wool Blend Pants	\$28.99	5
	Flying Cross 100% Wool Men's Service Shirt, Long Sleeve, Navy	\$66.86	3
Total	762 Specialist	\$37.29	129

Customers by Number of Orders

Customers by number of orders

Show Report For:

From: 09/03/11 To: 09/15/11 Show By: Day

Period	Customer Name	Number of Orders	Average Order Amount	Total Order Amount
Sep 13, 2011	Charles Checker	3	\$67.32	\$261.96
	Shemie Supervisor	2	\$70.98	\$141.97
	Oscar Operator	2	\$66.98	\$133.97
Sep 14, 2011	Matt Crandall	1	\$42.99	\$42.99
	Amy Agent	4	\$80.86	\$363.92
	Derrick Dispatcher	4	\$96.23	\$392.91
	Bill Operator	3	\$80.65	\$241.94
Sep 15, 2011	Frank Supervisor	2	\$157.67	\$315.93
	Sherris Supervisor	1	\$59.99	\$59.99
	Bill Operator	1	\$99.99	\$99.99
	Charles Checker	1	\$70.99	\$70.99
	Amy Agent	1	\$29.99	\$29.99
	Sherris Supervisor	1	\$115.97	\$115.97
Total		26	\$87.10	\$2,264.49

Sales Report

Sales Report

Show Report For: All Websites

Range: Custom date range

From: 09/13/11 To: 09/15/11

Refresh Reset Filter

Export to CSV

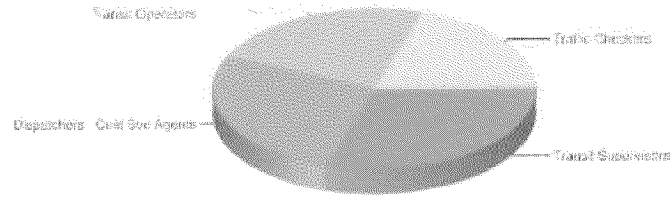
Print

Order #	Order Date	SKU	Country	Region	City	Zip Code	Product Name	Manufacturer	Quantity	Price	Subtotal	Tax	Discounts	Total	Invoiced	Refunded
	From: To:		All Countries						From: To:	From: To:	From: To:	From: To:	From: To:	From: To:	From: To:	From: To:
20000026	Sep 15, 2011 10:45:57 AM	47291	United States	Alabama	City	12345	47291-Flying Cross Women's Serge Weave Wool Blend Pants		1	\$28.99	\$28.99	\$0.00	\$0.00	\$28.99	\$28.99	1
20000025	Sep 15, 2011 10:12:31 AM	770	United States	California	Oakland	94612	770 Professional		1	\$42.99	\$42.99	\$0.55	\$0.00	\$43.54	\$42.99	1
20000025	Sep 15, 2011 10:12:31 AM	39410	United States	California	Oakland	94612	39410-Flying Cross Mens Deluxe Serge Weave Pants		1	\$27.99	\$27.99	\$2.51	\$0.00	\$30.50	\$27.99	1
20000024	Sep 15, 2011 10:08:45 AM	47291	United States	California	Oakland	94612	47291-Flying Cross Women's Serge Weave Wool Blend Pants		1	\$23.99	\$23.99	\$2.39	\$0.00	\$26.38	\$23.99	1
20000024	Sep 15, 2011 10:08:45 AM	22233	United States	California	Oakland	94612	22233-Bates High Shine Patrol Oxford		1	\$59.99	\$59.99	\$4.95	\$0.00	\$64.94	\$59.99	1
20000022	Sep 14, 2011 8:29:26 AM	22233	United States	California	Oakland	94612	22233-Bates High Shine Patrol Oxford		1	\$59.99	\$59.99	\$4.95	\$0.00	\$64.94	\$59.99	1
20000022	Sep 14, 2011 8:29:20 AM	39410	United States	California	Oakland	94612	39410-Flying Cross Mens Deluxe Serge Weave Pants		1	\$27.99	\$27.99	\$2.51	\$0.00	\$30.50	\$27.99	1
20000022	Sep 14, 2011 8:29:28 AM	39410	United States	California	Oakland	94612	39410-Flying Cross Mens Deluxe Serge Weave Pants		1	\$27.99	\$27.99	\$2.51	\$0.00	\$30.50	\$27.99	1

Sales by Customer Group

Sales by Customer Group

Show Report For: All Websites



Range: Custom date range From: 03/13/11 To: 03/15/11 Quantity Refresh Export to: CSV Export

Customer Group	Percent	Quantity	Total
Transit Supervisors	33%	9	\$403.91
Dispatchers & Cust Svc Agents	27%	8	\$538.92
Transit Operators	23%	7	\$292.93
Traffic Checkers	23%	6	\$279.91
Total		30	\$1,313.70

Total Shipped

This report depends on timezone configuration. Once timezone is changed, the lifetime statistics need to be refreshed.
 Last updated: Sep 14, 2011 8:37:56 AM. To refresh last day's statistics, click [here](#).

Total Shipped Report

Show Report

Show Report For:

Filter

Match Period To:

Period:

From:

To:

Order Status:
Applies to Any of the Specified Order Statuses

Empty Rows:

Export to:

Period	Carrier Method	Number of Orders	Total Sales Shipping	Total Shipping
Sep 13, 2011	Department Pickup - Free	0	\$0.00	\$0.00
Sep 14, 2011	Shipping Rate - BestWay	2	\$23.98	\$23.98
	Store Pickup - Free	11	\$0.00	\$0.00
Sub Total		13	\$23.98	\$23.98
Total		21	\$23.98	\$23.98

References

Los Angeles Police Department
Contact: Randy Goddard
100 W. First Street
Los Angeles, CA 90012
Phone: 213 486-7098

San Francisco Sheriff's Department
Contact: Rick Koehler
1 Dr. Carlton B. Goodlett Place Room 456
San Francisco, CA 94102
Phone: 415 554-7214

Riverside Police Department
Contact: Officer Andrew Misenheimer
4102 Orange Street
Riverside, CA 92501
Phone: 951 826-5344

Orange Police Department
Contact: Renee Nicholson
1107 N. Batavia Street
Orange, CA 92867
Phone: 714 744-7341

Orange County Transit Authority
Contact: J.P. Gonzalez
550 South Main Street
Orange, CA 92868
Phone: 714 560-5567



City of Long Beach

Department of Financial Management
Division of Procurement
333 W Ocean Blvd. 7th floor, Long Beach, California 90802
562.570.6164

November 18, 2011

NOTICE TO BIDDERS

ADDENDUM NO. 5
BID NO. PA-00412
POLICE DEPARTMENT UNIFORMS, ACCESSORIES & MISC. EQUIPMENT

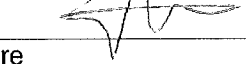
Please acknowledge receipt of this addendum by signing and returning with your bid.

This addendum includes the items that were added to the Bid Section, according to the revisions noted in Addendum No. 3. Please provide your proposed pricing in the fields shown on the following page and submit with your bid. **Please see attached sheet for the items that were added to the Bid Section.**

This addendum also includes the proposed alternates and the Long Beach Police Department's response to each line item. **Please see attached spreadsheet for the approved equals list.**

If you have any questions regarding this addendum please submit to Regina.Benavides@longbeach.gov

Prepared By: Regina Benavides Date: November 18, 2011
Buyer

Acknowledged By:  Date: November 21, 2011
Signature

Larry Dismukes
Print Name
President
Title
Galls, an ARAMARK Company, LLC
Company Name

SECTION A - BASIC UNIFORM APPAREL		Manufacturer & Style No.	Unit Price
I. UNIFORM SHIRTS			
	Flying Cross #UD20W9586Z, men's long sleeve, 100% wool (10 oz./summer weight); Burlington Raeford Mill), LAPD Navy (8818)	Flying Cross #UD20W9586Z	\$ 58.85
	Flying Cross #UD120W9586Z, women's long sleeve, 100% wool (10 oz./summer weight); Burlington Raeford Mill), LAPD Navy (8818)	Flying Cross #UD120W9586Z	\$ 47.65
II. PANTS			
	Marlow White #69-521, Trousers, US Army Blue, with ½ inch braid in blue and gold	Marlow White #69-521	\$ 101.55
VIII. JACKETS			
	Marlow White #69-121, Jacket, US Army Blue, with ½ inch braid in blue and gold	Marlow White #69-121	\$ 252.65
SUBTOTAL SECTION A:			\$ 460.70*

*Section A Sub-Total includes Addendum 5 only. See Addendum 2 for additional items.

SECTION C - LEATHER GOODS AND ACCESSORIES		Manufacturer & Style No.	Unit Price
3. Holders			
	Bianchi #7904, baton holder, Accumold Elite, basket weave, black	Bianchi #7904	\$ 6.15
	Bianchi #7404, baton holder, Accumold, nylon, black	Bianchi #7404	\$ 5.15
	Bianchi #7914S, swivel radio holder, Accumold Elite, basket weave, black	Bianchi #7914S	\$ 32.55
	Bianchi #7314, radio holder, Accumold, nylon, black	Bianchi #7314	\$ 18.05
	Bianchi #7314S, swivel radio holder, Accumold, nylon, black	Bianchi #7314S	\$ 21.55
	Bianchi #7909, flashlight holder, Accumold Elite, basket weave, black	Bianchi #7909	\$ 5.55
	Bianchi #7409, flashlight holder, Accumold, nylon, black	Bianchi #7409	\$ 5.15
	Bianchi #7903, single magazine pouch, Accumold Elite, basket weave, black	Bianchi #7903	\$ 15.45
	Bianchi #7945, triple magazine pouch, Accumold Elite, basket weave, black	Bianchi #7945	\$ 27.35
SUBTOTAL SECTION C:			\$ 136.95*

*Section C Sub-Total includes Addendum 5 only. See Addendum 2 for additional items.

**UNIFORM PROPOSAL
QUARTERMASTER ALTERNATIVES**

ORIGINAL ITEM	AVAIL. COLORS	ORIGINAL ITEM #	PROPOSED ALTERNATE	REVIEWED BY	FINDINGS (approved, not approved, etc)
Ballistic Vest	Blk Nylon	American Body Armor XT01Level II	Armor Express	SWAT	Rejected
Baton Carrier		Tex Shoemaker 82DM	Triple K #242	Academy	Rejected
Elbow Pads (hard)		Hatch, TAK#150 (Hard elbow)	Damascus DEP-B	Correia	Rejected
Elbow Pads (soft)		Hatch, NK45	Damascus DNE	Correia	Rejected
Flashlight Carrier		Aker A540/ A540SB	Triple K #205	Academy	Rejected
Gauntlet Gloves		Hatch #FM2000	Damascus DFS2000	Jail	Rejected
Hand Cuff carrier HS		Tex Shoemaker 204	Triple K, Style 29	Academy	Rejected
Hand Cuff carrier HS		Tex Shoemaker 204	Triple K, Style 166, Hidden Fastener	Academy	Rejected
Helmet		Max Pro Police BEL BA-3A	United Shield International, PSTSC650	Academy	Rejected
Keepers		Tex Shoemaker #86/ Aker A531-BW	Triple K #16	Academy	Rejected
Key Box w/ Key Clip		Tex Shoemaker 215 A/ Aker A511	LawPro 569236	Academy	Rejected
Key Strap		Aker A560-BW	Triple K #12	Academy	Rejected
Key Strap		Tex Shoemaker 88	Triple K, #92	Academy	Rejected
Knee Pads (hard)		Section D, #45106 (Hard knee)	Damascus DKP-B	Correia	Rejected
Knee Pads (soft)		Section D, 45110 (Soft knee)	Damascus DNKP	Correia	Rejected
Mace Carrier w/ flap		Tex Shoemaker 92/ Aker A570 & A57	Triple K, #215	Academy	Rejected
Mace Holder		Tex Shoemaker 92/ Aker A570 & A57	Triple K, #215A	Academy	Rejected
Mag. Pouch		Aker 510-BW2	Triple K 45 GRP61	Academy	Rejected
Mag. Pouch		Aker 510-BW3	Triple K 45 GRP64	Academy	Rejected
Mag. Pouch		Aker 510-BW4	Triple K 45 GRP57	Academy	Rejected
Magazine Pouch		Aker 510D-BW	Triple K #222	Academy	Rejected
Safety Vest		Section A, #DC60 (Unknown brand)	United Uniform #128	Academy	Approved Equal
Sam Brown Belt		Tex Shoemaker 201/ Aker B03-BW	Triple K #34HL	Academy	Rejected
Silent Key Carrier		Aker 564	Triple K #329	Academy	Rejected
SWAT gloves	Blk, Green	SWAT EG 50G-600	Elite Tactical DJ0100	SWAT	Approved Equal (Style # DS0100-B or OD)
Sweater (button-up)	Navy	Broadway 502B	PSC, #4018	Academy	Rejected
Sweater (button-up)	Green	Broadway 502B	PSC, #4018	Academy	Rejected
Wind Breaker (lined)	Blk	Cardinal 201A	LawPro S48 121 03	Academy	Approved Equal



City of Long Beach

Department of Financial Management
Division of Procurement
333 W Ocean Blvd. 7th floor, Long Beach, California 90802
562.570.6164

November 15, 2011

NOTICE TO BIDDERS


ADDENDUM NO. 4
BID NO. PA-00412
POLICE DEPARTMENT UNIFORMS, ACCESSORIES & MISC. EQUIPMENT

Please acknowledge receipt of this addendum by signing and returning with your bid.

This addendum serves as a notification to all prospective bidders that the **bid due date has been extended to November 29, 2011**. The bids are due to be submitted to the City Clerk's office by 11:00 AM.

If you have any questions regarding this addendum please submit to Regina.Benavides@longbeach.gov

Prepared By: Regina Benavides Date: November 15, 2011
Buyer

Acknowledged By:  Date: November 16, 2011
Signature

Larry Dismukes
Print Name

President
Title

Galls, an ARAMARK Company, LLC
Company Name



City of Long Beach

Department of Financial Management
Division of Procurement
333 W Ocean Blvd. 7th floor, Long Beach, California 90802
562.570.6164

November 9, 2011

NOTICE TO BIDDERS

ADDENDUM NO. 3
BID NO. PA-00412

POLICE DEPARTMENT UNIFORMS, ACCESSORIES & MISC. EQUIPMENT

Please acknowledge receipt of this addendum by signing and returning with your bid.

This addendum includes the responses to the questions that have been posed by prospective bidders. It is advisable to review the following information while developing your proposal.

1. Q: Page 4 – Subject to the acceptance of the city for 3 months. What does this mean?

A: The pricing proposed in the bid shall stand firm for up to 3 months after submittal until the contract has been awarded.

2. Q: Page 5 – In case of error in extension of prices unit price will govern. Do we have access to usage reports?

A: Usage reports are not available at this time. If these reports are made available prior to the bid close date, they will be posted as an addendum.

3. Q: Page 8 – Contract period states 12 months. It does not clearly state that there is an option for two 12 month renewals of the contract.

A: This contract will include two optional one-year renewals, which will be utilized at the discretion of the City of Long Beach.

4. Q: Page 11 – How will the potential price increases factor in to the initial contract award (if they will at all)?

A: The proposed price increases will be considered in the contract award; however, the focus of the award will be on the prices provided in the Bid Section.

5. Q: Page 3 – The bid says “notary required for corporate officers if located out of state.” Is page 3 of 51 where this action should occur, and it is correct to say that page 1 should be left blank if the organization is California based? If the business is physically located in California, but incorporated in the State of Delaware, is the notary action required?
- A: Please refer to page 2 of 51 for Bid Instructions concerning signatures.
6. Q: Page 12 – The City reserves the right to award portions of this bid to one or more contractors. Does this mean that the City is willing to award the same portions of the bid to two or more different bidders? If I was the “prime” vendor for Section “A” on the uniforms but the “secondary” vendor for Section “C” but I had an open PO and they came in for uniforms and needed just a few leather items from Section “C” would they be allowed to purchase or would they be forced to go to the primary?
- A: As indicated on Page 12 and 21 in the bid document, it is the City’s intent to award Sections A through E to a Primary and Secondary vendor. Section F will be evaluated separately. Sections A through E will not be broken up into different contracts.
7. Q: Page 13 – Are you looking to transition to an On-Line only ordering system?
- A: Officers will not be placing orders directly into an on-line system. Once internal approvals are received for the purchases, then a designated Police Department employee will enter the order into an online system that will send the order to the store for fulfillment and the officer for notification purposes. This will also allow the order data to be captured for reporting purposes.
8. Q: Page 13 – Will you be using a store front location for your purchases or to service this account?
- A: Yes
9. Q: Page 13 – Customized tracking. Are you looking for monthly usage reports broken down by categories/products/purchase orders?
- A: We want to be able to create reports to track overall purchases, usage by division, and ideally an “on demand” reporting feature that will allow us to query by division, product number (for grants), by employee (ex: what has Officer Smith ordered this year?). We will work with the vendor to identify the necessary reports once the contract has been awarded.
10. Q: Page 14 – Reporting: Complete purchase data reports on monthly, quarterly, and yearly basis. All of them or just monthly, quarterly, or yearly?
- A: See #9 above.

- 11: Q: Page 14 – Want to confirm that you do not need samples with our bid. Not for patches or any other product.
- A: Samples are not required to be submitted with your bid. But, the City reserves the right to request samples after the bid due date.
- 12: Q: Page 15 – Trained personnel, when required, for measuring and fitting uniforms at the police academy. Inventory requirement. Approximately how many times a year, month for fittings?
- A: The Police Department may have from 0-2 Basic Academies per year, and 0-1 Reserve Academies per year. The number of officers varies based on the number of qualified applicants and fiscal constraints.
- 13: Q: Page 15 – Qualifications (personnel) and requirements (inventory) to be made by the Chief. My staff is well trained in customer service and fittings but I would like to have an idea of usage tied to the minimum inventory requirement.
- A: The Police Department will work with the vendor to determine minimum inventory requirements once the contract is awarded. A list of top selling items is not available at this time. It will be posted as an addendum if received prior the bid closing.
- 14: Q: Page 15 – Once the contract has been awarded, any item substituted as an approved equal for a specified brand shall require written approval. Does this mean that companies can still submit items as an approved alternate by November 3rd? And if approved will not need to have written approval for the length of the contract? So items currently approved can be substituted once the bid is a awarded? What will this be based on?
- A: Alternates were due to be submitted to the City of Long Beach by November 3rd. The approved alternates will not need additional approval for the duration of the contract. For additional information, please refer to Page 15, Section “C”, and Page 16, Section “D” in the bid document.
- 15: Q: Page 15 – Samples of the patches, badges are due by November 3, 2011 or sometime after the bid is awarded?
- A: The Long Beach Police Department will work with the vendor after the bid has been awarded. Patches were not due by November 3, 2011.
- 16: Q: Page 17 – Mark each garment and accessory to assure ready identification. How would you like each garment marked? How do we mark each accessory? Flashlight, holster, knife?
- A: The requirement to mark each garment and accessory has been removed from the bid.

17. Q: Page 17 – Uniforms and accessories shall include the measurement, marking, tailoring, alteration, fitting, sewing on of emblems and pressing. So there will not be a separate price for any alterations? Sleeve shorting, side alterations, etc.?
- A: The price quoted for uniforms and accessories shall include all alterations, sewing on of emblems, pressing, etc. to properly fit the garment/item for the initial purchase. If an officer loses weight or needs additional tailoring after the initial purchase, then the pricing listed in Section E shall apply.
18. Q: Page 17 – Pressing: We iron sleeves when we put on patches. Is that what you mean by pressing? We also put all clothes on hangers and in bags but we do not do a “military press.”
- A: The navy blue uniforms for sworn personnel require a military press.
19. Q: Page 17 – Each garment shall have a permanent laundry mark with date of issue. What type of permanent laundry mark? Where is the laundry mark to go? Is the mark to specify the manufacture or individual?
- A: The requirement for a permanent laundry mark was removed from the bid.
20. Q: Page 18 – Five working days for delivery of uniforms after receiving the order on “normally stocked” items. What are the normally stocked items? Will we receive a list of the normally stocked items?
- A: The Police Department will work with the vendor to determine minimum inventory requirements once the contract is awarded. A list of top selling items is not available at this time. It will be posted as an addendum if received prior the bid closing.
21. Q: Page 18 – Failure to maintain adequate stock will be deemed a breach and may result in termination of contract. It is difficult without usage reports to forecast how much product we will need. Will we have usage or minimum stocking level information prior to the bid process?
- A: See #20 above.
22. Q: Page 19 – Is there anything on the bid that the department will not consider looking at an alternate item for?
- A: No

23. Q: Page 21 - \$100 dollars per day per unit of back ordered items. Has this ever been in the contract before? Has it ever been utilized before? If it has can you provide an example? If it has not been used, why not? Does this mean that if you have three shirts on back order you are fined \$100 per day per item? So three shirts on back order would be \$300 a day?

A: This is standard contract language used by the City. It would only be invoked if the vendor's inability to provide uniforms and equipment would "seriously affect the public welfare and the operation of the City." For example, if the vendor could provide no uniforms and equipment at all for an extended period of time and it impacted the Police Department's ability to field patrol units. This section is more commonly applied to large scale projects (technology, construction, etc.)

24. Q: Contract Agreement "Cost Section"

SECTION A – BASIC UNIFORM APPAREL

- Page 24 - All of the Heavy Weight Flying Cross 17oz shirts are special order from the manufacture. Are these to be used as everyday patrol uniforms or just as Class A uniforms?

A: The Command Staff will likely use this for everyday. It will be an option for Patrol Officers to wear everyday, and will also be used for Class A uniforms.

- Page 24 – The 10 oz long sleeve 100% wool shirt (men's & women's) were omitted and should be added to the Cost Section

A. Add:

- Flying Cross UD20W9586Z, men's long sleeve, 100% wool (10 oz./summer weight, Burlington Raeford Mill, LAPD Navy (8818)
- Flying Cross UD120W9586Z, women's long sleeve, 100% wool (10 oz./summer weight, Burlington Raeford Mill, LAPD Navy (8818)

- The 100% Poly Flying Cross "LAPD" style shirts are also special order. Are these just for officers who are allergic to wool? Will officers on patrol be allowed to wear these uniforms?

A: We only have a small number of officers who have a wool allergy or the inability to wear wool. The wool uniform will be the standard issue. We would just need the standard lead time for ordering the polyester so that we can provide it to those officers who need polyester.

- Page 25-26 - Are all of the "Special Services Officers" uniforms only for the single division? There are 100% Poly, Poly Rayon and Poly Cotton uniforms listed. They all dye differently and "special services" officers standing next to other will look very different. This can cause a large problem for us trying to complete the bid with out

usage reports. The incumbent supplier has an advantage if they know that all of the officers always get the 100% poly uniforms.

A: We have several different divisions who wear the green and tan uniform. Jail Detention Officers, Business Desk Personnel, Marine Patrol, Court Baliffs, etc. so the shirts listed on the bid are those that were confirmed by the various work units.

- Page 30 – The Flying Cross #32289 trousers with stripe should be eliminated from this section. The Honor Guard currently uses the following trousers instead:

A. Marlow White #69-521, Trouser, US Army Blue, with ½” braid in blue and gold

- Page 32 - There are not any 100% wool Elbeco pants available. I believe the department is looking for the 45/55% Poly Wool pants. Can you clarify and make sure the correct stock numbers are used on both the Elbeco and Flying cross trousers.

A: We have removed the 100% wool pants in green from the bid

- Page 32 - Some of the stock numbers for the Mocean product is incorrect according to Mocean.

A: The corrected information is listed below:

- Mocean #2050B, Bike pant w/belt loops, black, (There is no "B" in the stock number)
- Mocean #1050B, Police bike shorts, black, (product # changed to #1051)

- Most of the products on this list do not have a place for oversizes. Some of the products do but most do not. Will you be adding them?

A: Any oversizes needed that are not listed as a separate line item will be purchased under the miscellaneous items option on our contract.

- Page 34 - The frontline jacket product numbers are incorrect.

A: The correct style # for the Frontline Motor Jacket is F1000BK

- Page 34 – The jacket for the Honor Guard was omitted and should be added to the Cost Section:

A. Marlow White #69-121, Jacket, US Army Blue, with ½” braid in blue and gold

- Page 34 – The Liberty Unlined Windbreaker has been discontinued.

A. The Cardinal Unlined Windbreaker is the replacement and is already listed on the specifications.

- Page 34 - The safety vest from Frontline/TactSquad listed is a special order and has a minimum of 500 pieces. Will you accept alternates for this product? We did not find this out until recently? The product number is also incorrect.

A: We will consider alternates for this product that can be ordered in lesser quantities, as long as the specifications and appearance are the same as the original item. I have confirmed that the product # for the original item is TactSquad DC60.

- Page 35 - TactSquad gloves also have the incorrect part number.

A: The correct style # for the TactSquad gloves is TG100, in black

SECTION B – SHOES & BOOTS

- Page 37 – Thorogood #834-6047 is not available. There is a women's #534-6047, but that is already included in the bid. Which style do you need?

A: We have eliminated Thorogood #834-6047 from the bid.

- Page 37 – Thorogood #834-6100 is not available.

A: We have eliminated Thorogood #834-6100 from the bid.

- Page 37 – Rocky brand does not have a style #5248? The Portland 8" is already on the bid as #2080. #5248 refers to Magnum Stealth Force 6" (not 8"). Which style do you need?

- A: We will go with the Rock Portland #2080, 8" boot that is already listed on the bid specifications. The Magnum Stealth Force should not be listed.

SECTION C – LEATHER GOODS & ACCESSORIES

- Page 38 –40 – The Aker product numbers are incorrect.

A: The correct style #s for Aker do not have the letter "A" in front of them.

Belts

- Page 38 – The Bianchi #1992 nylon belt is the wrong part number.

A: The correct style # is the Bianchi #7205, nylon under belt, black.

Holders

- Page 38 – The style # for the Bianchi baton holder is incorrect.

A: The correct style #s for the Bianchi baton holders are:

- Bianchi #7904, baton holder, Accumold Elite, basketweave, black
 - Bianchi #7404, baton holder, Accumold, nylon, black
- Page 39 – The style # for the nylon Bianchi silent key holder is incorrect.
 - A: The correct style #s for the nylon Bianchi silent key holder is:
 - Bianchi #7916, silent key holder, Accumold, nylon, black
- Page 39 – The Bianchi #200S (18755) Radio Holder is discontinued. Also this item is described as Accumold Elite, but it is not Accumold Elite. Which style do you need?
 - A: The correct style #s for the Bianchi Radio Holders are:
 - Bianchi #7914S, Accumold Elite, swivel radio holder, simulated leather, basketweave, black
 - Bianchi #7314, Accumold, radio holder, nylon, black
 - Bianchi #7314S, Accumold, swivel radio holder, nylon, black
- Page 39 – Triple K is the manufacturer of the 281 radio holder, not Aker.
 - A: The correct style # is the Triple K #281, radio holder, leather, basket weave, black
- Page 39 – The style # for the nylon Bianchi mace holder is incorrect.
 - A: The correct style #s for the nylon Bianchi mace holder is:
 - Bianchi #7307, mace holder, Accumold, nylon, black
- Page 39 – The Bianchi Accumold and Accumold Elite flashlight holders were omitted.
 - A: The correct style # for the Bianchi flashlight holders are:
 - Bianchi #7909, Accumold Elite, flashlight holder, black basket weave
 - Bianchi #7409, Accumold, flashlight holder, nylon, black

Keepers

- Page 39 – The style # for the Bianchi nylon belt keepers is incorrect.
 - A: The correct style # for the nylon Bianchi belt keepers is:
 - Bianchi #7406, Accumold, belt keepers, nylon, black

Magazine Pouches

- Page 40 – The Bianchi Accumold and Accumold Elite magazine pouches should be separate line items.
 - A: The style # for the Bianchi magazine pouches are:

- Bianchi #7903, Accumold Elite, single magazine pouch, black basket weave
- Bianchi #7902, Accumold Elite, double magazine pouch, black basket weave,
- Bianchi #7945, Accumold Elite, triple magazine pouch, black basketweave
- Bianchi # 7303, Accumold, single magazine pouch, nylon, black
- Bianchi #7302, Accumold, double magazine pouch, nylon, black
- Bianchi #7345, Accumold, triple magazine pouch, nylon, black

SECTION D – MISCELLANEOUS EQUIPMENT

- Page42 – The style #s for the Hatch products for SWAT are incorrect.

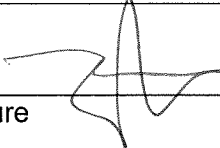
A: The correct style # for the Hatch products for SWAT are:

- Hatch SOG-L50/L75, Operator Shorty, tactical gloves, black or green
- Hatch SOG-600/650, Operator, tactical gloves, black or green
- Hatch KP250/KP250G/, Centurion Hard knee pads, black or green
- Hatch NK45, Centurion Neoprene/Soft knee pads, black or green
- Hatch XTAK150, Hard elbow pads, black or green

If you have any questions regarding this addendum please submit to Regina.Benavides@longbeach.gov

Prepared By: Regina Benavides Date: November 9, 2011
 Buyer: _____

Acknowledged By: _____ Date: November 14, 2011

Signature 

Larry Dismukes

Print Name _____

President

Title _____

Galls, an ARAMARK Company, LLC

Company Name _____



City of Long Beach

Department of Financial Management
Division of Procurement
333 W Ocean Blvd. 7th floor, Long Beach, California 90802
562.570.6164

October 25, 2011

NOTICE TO BIDDERS

ADDENDUM NO. 2
BID NO. PA-00412
POLICE DEPARTMENT UNIFORMS, ACCESSORIES & MISC. EQUIPMENT

Please acknowledge receipt of this addendum by signing and returning with your bid.

This addendum includes the updated bid document. Please submit the attached version of the bid in lieu of the original version posted on Bids Online.

Please take note of the extended due dates and the revisions made to the bid section, as indicated below.

Revised Bid Timeline

Questions to be submitted by email by:	11/01/11 @ 3:00 p.m.
Proposed alternates & supporting data due by:	11/01/11 @ 11:00 a.m.
Answers to questions submitted to be posted online by:	11/08/11 @ 3:00 p.m.
List of approved equals posted online by:	11/08/11 @ 3:00 p.m.
REVISED BID DUE DATE:	11/17/11 @ 11:00 a.m.

Revisions Made to Bid Section

Section A

Page 24-25	Requirement for snaps under collar points & at top of collar on L/S navy blue wool shirts has been removed
Page 24	Corrected item # on Flying Cross men's short sleeve shirt (10oz) Corrected item # on Flying Cross women's short sleeve shirt (10oz)
Page 32	Eliminated 100% wool pant line items (Green not available in 100% wool) Amended item # on Elbeco men's 65/35 pant, green Amended item # on Elbeco women's 65/35 pant, green
Page 32	Eliminated incorrect style # on Flying Cross 100% wool motor breeches Amended item # on Flying Cross 100% Polyester breeches
Page 34	Added Blauer Duty Jacket (black) Added Flying Cross Duty Jacket (Forest Green)

Section C
Page 39-40

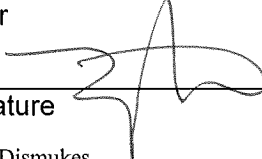
Added additional holster style #s to allow for light option on all models
Added four (4) tactical holsters

Section E
Page 44

Added line item for adding snaps under collar
Added line item for adding snap on placket between 1st & 2nd button

If you have any questions regarding this addendum please submit to
Regina.Benavides@longbeach.gov

Prepared By: Regina Benavides Date: October 25, 2011
Buyer

Acknowledged By:  Date: November 14, 2011

Signature

Larry Dismukes

Print Name

President

Title

Galls, an ARAMARK Company, LLC

Company Name



City of Long Beach

Department of Financial Management
Division of Procurement
333 W Ocean Blvd. 7th floor, Long Beach, California 90802
562.570.6164

October 21, 2011

NOTICE TO BIDDERS


ADDENDUM NO. 1
BID NO. PA-00412
POLICE DEPARTMENT UNIFORMS, ACCESSORIES & MISC. EQUIPMENT

Please acknowledge receipt of this addendum by signing and returning with your bid.

This addendum includes the sign in sheet that was collected at the mandatory pre-bid conference, which took place on Wednesday, 10/12/11, at 9:00 a.m.

If you have any questions regarding this addendum please submit to
Regina.Benavides@longbeach.gov

Prepared By: Regina Benavides Date: October 21, 2011
Buyer

Acknowledged By:  Date: November 14, 2011
Signature

Larry Dismukes
Print Name

President
Title

Galls, an ARAMARK Company, LLC
Company Name

**PA-00412 POLICE DEPARTMENT UNIFORMS, ACCESSORIES & MISCELLANEOUS EQUIPMENT
WEDNESDAY OCTOBER 12, 2011 9:00 A.M.
MANDATORY PRE-BID CONFERENCE**

	Name	Company	Phone	Email Address
1	Jim REING	L.N. CURTIS	909 908 0603	jreing@lncurtis.com
2	Mike Lee	QUARTERMASTER	562 500 3837	mlee@gmuniforms.com
3	JAMES DUNCAN	QUARTERMASTER	562 309 7348	jaduncan@gmuniforms.com
4	John Brownlee	Quartermaster	562 417 3237	jbrownlee@gmuniforms.com
5	RYAN REYNOLDS	BLAUER MFG	208 631 0479	RREYNOLDS@BLAUER.COM
6	Dave House	Galls	562 522 2313	house-dave@galls.com
7	Lou Jaeger	Galls	562-243-0927	jaeger-lou@galls.com
8	TERESA BECK	ELBEED	916-833-8847	TBECK@EIBEO
9	Woody Smith	Flying Cross	714-262-6965	wsmith@techheimer.com
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/26/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies, LLC 195 Scott Swamp Road Suite 201 Farmington CT 06032 860-678-4000	CONTACT NAME: PHONE (A/C, No., Ext): _____ FAX (A/C, No): _____ E-MAIL ADDRESS: _____														
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : The Continental Insurance Company</td> <td>35289</td> </tr> <tr> <td>INSURER B : Continental Casualty Company</td> <td>20443</td> </tr> <tr> <td>INSURER C : Transportation Insurance Company</td> <td>20494</td> </tr> <tr> <td>INSURER D : Alterra America Insurance Company</td> <td>21296</td> </tr> <tr> <td>INSURER E : RSUI Indemnity Company</td> <td>22314</td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : The Continental Insurance Company	35289	INSURER B : Continental Casualty Company	20443	INSURER C : Transportation Insurance Company	20494	INSURER D : Alterra America Insurance Company	21296	INSURER E : RSUI Indemnity Company	22314	INSURER F :
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A : The Continental Insurance Company	35289														
INSURER B : Continental Casualty Company	20443														
INSURER C : Transportation Insurance Company	20494														
INSURER D : Alterra America Insurance Company	21296														
INSURER E : RSUI Indemnity Company	22314														
INSURER F :															
INSURED 1345090 Galls, an ARAMARK Company LLC 2680 Palumbo Dr. Lexington KY 40509															

COVERAGES 9Q **CERTIFICATE NUMBER:** 11500923 **REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC	Y	N	4030437347	9/30/2011	9/30/2012	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Comp: \$1,000 <input checked="" type="checkbox"/> Coll: \$1,000	N	N	4034118749	9/30/2011	9/30/2012	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
D	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	N	N	MAXA3EC50000023	9/30/2011	9/30/2012	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$ XXXXXXXX
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> N/A	N	N	4034118752 (AOS) 4034118816 (CA)	9/30/2011 9/30/2011	9/30/2012 9/30/2012	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Excess Umbrella	N	N	373729	9/30/2011	9/30/2012	Limit: \$5,000,000; XS \$10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
The City, its officials, employees and agents are included as additional insured with respects to the General Liability policy as required by written contract.

CERTIFICATE HOLDER

CANCELLATION

11500923
City of Long Beach

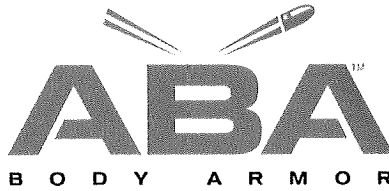
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



A Product of the Safariland™ Company
TECHNICAL SPECIFICATION
Xtreme® Series – XT01 – Type II

Test Standard	NIJ Standard: 0101.06
Model	NIJ: BA-2000S-XT01
Threat Type	II
Configuration	Unstructured
Armor Material	Twaron® Microlaminate, Gold Shield® GN-2117, Advanced Stitching using Vertical Side Tacks
Armor Panel Covering	2 ply, 70 Denier Textured Nylon Blockade with TPU lamination system
Areal Density [lbs/ft²]	0.93
Thickness [inches] <i>ASTM Standard D1777-97</i>	0.208
New V50 – .9 mm FMJ RN 124gr [ft/s]	1715
Conditioned V50 – .9 mm FMJ RN 124gr [ft/s]	1660
New V50 – .357 Mag JSP 158gr [ft/s]	1613
Conditioned V50 – .357 Mag JSP 158gr [ft/s]	1661
Backface Average – .9 mm	29.83
Backface Average – .357 Mag	33.63
Additional Special Threats have been Tested at USTL in accordance with Modified/Abbreviated NIJ 0101.06 Standard IAW Sec 7.8.2 unless otherwise specified.	
<ul style="list-style-type: none"> Federal 9 mm 124Gr. +P HST (P9HST1) - Tested Velocity @ 1250 fps ± 30 No Perforations Speer 357 Sig 125Gr. GDHP (23918) - Tested Velocity @ 1375 fps ± 30 No Perforations & IAW Section 7.8.1 Shot-to-edge distance: 2.25" - Tested Velocity 1375 fps ± 30 No Perforations Winchester 9mm 127Gr. SXT +P+(RA9TA) - Tested Velocity @ 1250 ± 30 No Perforations Winchester 40 Cal. 165Gr. SXT (RA40TA) - Tested Velocity @ 1140 ± 30 No Perforations 5x7x28mm SS 197 (Blue Tip) Tested Velocity @ 1728fps No Perforations 	



**Xtreme® Series XT01 (Type II)
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the American Body Armor® Xtreme® Series XT01 (Type II) Model (NIJ Model # BA-2000S-XT01) that is compliant with National Institute of Justice (NIJ) Standard 0101.06 Ballistic Resistance of Personal Body Armor for Type II classification and manufactured by 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 American Body Armor® Xtreme® Series XT01 (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 armor design.	Provides the perfect balance between blunt trauma reduction and ballistic resistance against a wide array of bullets.
Woven Aramid-Teijin Twaron®	The use of Teijin Twaron® products made from Aramid fibers in various size yarns (dtex) that are woven together to form a fabric of material.	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.
Gold Shield® GN-2117 Unidirectional Aramid Fiber	Honeywell's latest addition to the Gold family of soft armor products. Gold Shield® GN-2117 combines Honeywell's patented Shield technology with aramid fiber. Gold Shield® GN-2117 is a ballistic product consisting of two plies of unidirectional aramid fiber, cross-plyed at 0°/90°.	Gold Shield® GN-2117 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. Gold Shield® GN-2117 was designed for increased flexibility and comfort.
Advanced Stitching (Vertical Side Tacks)	The use of side tacks or vertical stitch lines sewn on both sides of the armor panel.	The advanced stitch design increases the ballistic performance of the armor panel by creating less yaw (tumbling or turning of the bullet). This provides an expanded reinforced area along the side of the armor panel for increased performance during edge shots.
Grip Loc™ Integrated Suspension System	The use of adhesive tabs sewn to the armor panel that adheres to the interior of the cover material. In addition, Velcro® Hook Tabs are adhered to the exterior of the cover material for added support.	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.

3. Armor Design (Construction) – continued

Feature(s)	Definition(s)	Benefit(s)
Water resistant Cover with Heat Sealed Edges	The use of a Brookwood 70 Denier nylon blockade with TPU lamination system that has a hydrostatic resistance (ASTM-D 751) minimum of 120 pounds per square inch (PSI) to burst and breakaway adhesion (ASTM-D 5035) minimum of 25 pounds per inch (lbs/in). Armor panel has edges heat-sealed through a son bond process with a minimum of a .25" wide seal.	Provides a durable protective cover around the armor panels that resists environmental contaminate(s).

4. Armor Design (Ballistic Performance):

The American Body Armor® Xtreme® Series XT01 (Type II) has the following performance characteristics as documented through a combination of NIJ Body Armor Compliance Testing Summary Reports, Independent NIJ Laboratory Testing Reports, and internal Safariland Ballistic Laboratory Testing:

Feature(s)	Data
Areal Density (lbs per square foot)	0.93 (lbs ft ²)
Thickness (inches)	0.208 (in)
.9 mm Estimated V-50 (New) (feet per second)	1715 (fps)
.9 mm Estimated Velocity with 95 % Probability of Stop V-05 (New) (feet per second)	1545 (fps)
.9 mm Probability of Perforation at P-BFS (New) (percentage)	0.01 (%)
.9 mm Average Backface Signature (New) (millimeters)	29.83 (mm)
.357 Mag Estimated V50 (NEW) (feet per second)	1613 (fps)
.357 Mag Estimated Velocity of 95% Probability of Stop V-05 (NEW) (feet per second)	1523 (fps)
.357 Mag Probability of Perforation at P-BFS (NEW) (percentage)	0.2 (%)
.357 Mag Average Backface Signature (NEW) (millimeters)	33.63 (mm)
.9 mm Estimated V-50 (conditioned) (feet per second)	1660 (fps)
.357 Mag Estimated V-50 (conditioned) (feet per second)	1661 (fps)
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Backface Signature (P-BFS)	Federal 9 mm 124Gr. +P HST (P9HST1), Speer 357 Sig 125Gr. GDHP (23918), Winchester 9mm 127Gr. SXT +P+(RA9TA), Winchester 40 Cal. 165Gr. SXT (RA40TA), FN 5x7x28mm SS197

5. Availability:

The American Body Armor® Xtreme® Series XT01 (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
Gender Specific Shape and Grade for Female(s) Availability	Yes

6. Support Programs:

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



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

May 17, 2010

Scott O'Brien
President
Safariland, LLC
3120 East Mission Blvd
Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06
Body Armor Model Designation: BA-2000S-XT01
NIJ Compliance Status Expires: May 17, 2015

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard-0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the *NIJ Body Armor Compliance Testing Program Administrative Manual* and the *Ballistic Body Armor Applicant Package*, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

Debra Stoe
Physical Scientist
National Institute of Justice

RESTRICTED TO U.S. PERSONS
These commodities are hereby exported from the U.S. and are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 10N009A Test ID: SAF09-001661 Report Date: 04/14/10
Manufacturer: Safariland, LLC Model Designation: BA-2000S-XT01 NIJ Armor Type: 2

Threat 1 - New Armor
Ammunition: 9mm 124/FMJ Reference Velocity: 1305 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 2 inches

Shot Number	Sample 1 Size: C-5				Sample 2 Size: C-5				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1311.7	0	28.0		1298.1	0	27.0		
2	1291.3	0	30.0		1335.0	0	30.0		
3	1292.5	0	28.0		1292.9	0	30.0		
4	1293.1	0			1320.2	0			
5	1305.2	0			1310.3	0			
6	1311.6	0			1326.8	0			
7									
8									
Summary:		Perforations: 0 (Pass)		BFS Statistics: Count: 12		Average: 27.8 mm			
		Maximum BFS: 30.0 mm		k1: 1.568		St. Dev.: 1.59 mm			
(Pass - No BFS greater than 44 mm)									

Shot Number	Sample 3 Size: C-1				Sample 4 Size: C-1				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1331.6	0	31.0		1337.0	0	28.0		
2	1318.8	0	36.0		1316.8	0	31.0		
3	1324.7	0	38.0		1311.3	0	36.0		
4	1311.4	0			1298.0	0			
5	1304.8	0			1336.8	0			
6	1310.0	0			1326.9	0			
7									
8									
Summary:		Perforations: 0 (Pass)		BFS Statistics: Count: 12		Average: 31.8 mm			
		Maximum BFS: 38.0 mm		k1: 1.568		St. Dev.: 3.81 mm			
(Pass - No BFS greater than 44 mm)									

Threat 2 - New Armor
Ammunition: .357 Mag 158/JSP Reference Velocity: 1430 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 3 inches

Shot Number	Sample 5 Size: C-5				Sample 6 Size: C-5				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1431.1	0	33.0		1423.3	0	33.0		
2	1439.7	0	39.0		1414.8	0	34.0		
3	1431.7	0	36.0		1402.3	0	27.0		
4	1435.1	0			1425.5	0			
5	1420.5	0			1427.2	0			
6	1435.1	0			1437.8	0			
7									
8									
Summary:		Perforations: 0 (Pass)		BFS Statistics: Count: 12		Average: 33.7 mm			
		Maximum BFS: 39.0 mm		k1: 1.568		St. Dev.: 3.08 mm			
(Pass - No BFS greater than 44 mm)									

Shot Number	Sample 7 Size: C-1				Sample 8 Size: C-1				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1444.8	0	32.0		1446.8	0	30.0		
2	1449.9	0	35.0		1433.6	0	34.0		
3	1436.3	0	35.0		1449.8	0	34.0		
4	1439.3	0			1442.0	0			
5	1434.3	0			1461.8	0			
6	1450.1	0			1443.9	0			
7									
8									
Summary:		Perforations: 0 (Pass)		BFS Statistics: Count: 12		Average: 33.6 mm			
		Maximum BFS: 36.0 mm		k1: 1.568		St. Dev.: 3.17 mm			
(Pass - No BFS greater than 44 mm)									

REPORT CONTROLLED DATA
These controlled data are not to be controlled
Administration Regulation
Diversion contrary to U.S. law is prohibited.
BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 10N009A Test ID: SAF09-001661 Report Date: 04/14/10
 Manufacturer: Safariland, L.L.C. Model Designation: BA-2000S-XT01 NIJ Armor Type: 2

Threat 1 - Conditioned Armor
 Ammunition: 9mm 124/FMJ Test Velocity: 1245 ± 30 ft/s Water Submersion: No
 Shot-to-Edge: 2 inches

Shot Number	Sample 21 Size: C-5				Sample 22 Size: C-1										
	Front Panel		Back Panel		Front Panel		Back Panel								
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note							
1	1267.4	0	31.0		1246.7	0	27.0		1246.2	0	30.0		1264.5	0	30.0
2	1247.2	0	33.0		1256.9	0	27.0		1249.4	0	32.0		1253.6	0	29.0
3	1223.3	0	30.0		1274.0	0	28.0		1243.5	0	36.0		1260.5	0	32.0
4	1277.5	0			1250.2	0			1255.1	0			1244.5	0	
5	1256.7	0			1253.2	0			1245.9	0			1238.5	0	
6	1242.0	0			1269.4	0			1253.6	0			1256.3	0	
7															
8															
Summary:		Perforations: 0 (Pass) Maximum BFS: 33.0 mm (no requirement)				Perforations: 0 (Pass) Maximum BFS: 36.0 mm (no requirement)									

Threat 2 - Conditioned Armor
 Ammunition: .357 Mag 158/JSP Test Velocity: 1340 ± 30 ft/s Water Submersion: No
 Shot-to-Edge: 3 inches

Shot Number	Sample 23 Size: C-5				Sample 24 Size: C-1										
	Front Panel		Back Panel		Front Panel		Back Panel								
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note							
1	1363.8	0	29.0		1363.0	0	31.0		1349.5	0	30.0		1367.3	0	32.0
2	1365.8	0	31.0		1363.5	0	30.0		1363.7	0	32.0		1337.2	0	32.0
3	1375.4	0	30.0		1335.8	0	26.0		1336.3	0	31.0		1344.9	0	32.0
4	1381.6	0			1353.2	0			1354.0	0			1331.6	0	
5	1373.7	0			1352.1	0			1346.0	0			1345.2	0	
6	1349.9	0			1350.6	0			1357.5	0			1341.0	0	
7															
8															
Summary:		Perforations: 0 (Pass) Maximum BFS: 31.0 mm (no requirement)				Perforations: 0 (Pass) Maximum BFS: 32.0 mm (no requirement)									

Overall P-BFS Summary	
Perforations:	This requirement is for all P-BFS tested samples - New and Conditioned 0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.
Backface Signature:	This requirement is for New armors only
Maximum BFS:	39.0 mm This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.

EXPORT CONTROLLED DATA
 These commodities and technology or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
 BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N009A Test ID: SAF09-001661 Report Date: 04/14/10
 Manufacturer: Safariland, LLC. Model Designation: BA-2000S-XT01 NIJ Armor Type: 2

Threat 1 - New Armor
 Ammunition: 9mm 124/FMJ Reference Velocity: 1305 ± 30 ft/s Water Submersion: No

Shot Number	Sample 11			Sample 11			Sample 12			Sample 12			Sample 13		
	Front	Panel		Back	Panel		Front	Panel		Back	Panel		Front	Panel	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1270.1	0		1248.8	0		1244.8	0		1262.6	0		1316.5	0	
2	1429.0	0		1433.0	0		1379.7	0		1398.7	0		1433.6	0	
3	1488.8	0		1507.1	0		1511.0	0		1564.7	0		1549.2	0	
4	1602.0	0		1598.6	0		1648.2	0		1649.8	0		1661.4	1	
5	1703.4	1		1760.7	1		1721.9	1		1766.5	1		1585.2	0	
6	1632.3	0		1637.2	0		1687.0	1		1665.6	1		1658.8	1	
7	1703.7	0		1711.08	0		1609.08	0		1553.57	0		1608.76	1	
8	1734.34	1		1748.26	1		1684.96	0		1665.55	0		1536.77	0	
9	1673.78	0		1703.95	1		1676.03	0		1674.02	0		1555.81	0	
10	1747.36	1		1644.66	0		1721.88	0		1694.58	1		1632.33	1	
11	1668.13	0		1699.81	0		1778.94	0		1708.73	0		1560.72	0	
12	1746.98	0		1730.93	0		1835.78	1		1708.73	0		1611.71	0	
13															
14															
15															

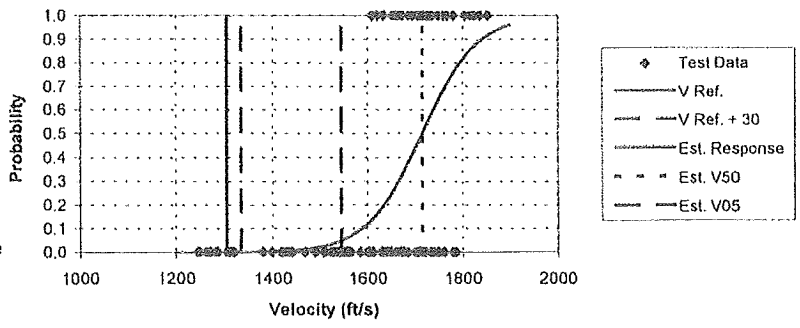
Shot Number	Sample 13			Sample 14			Sample 14			Sample 15			Sample 15		
	Back	Panel		Front	Panel		Back	Panel		Front	Panel		Back	Panel	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1313.4	0		1309.4	0		1305.4	0		1320.1	0		1285.9	0	
2	1466.1	0		1523.0	0		1440.1	0		1421.4	0		1417.7	0	
3	1541.9	0		1620.7	1		1539.5	0		1530.1	0		1557.5	0	
4	1648.2	0		1535.6	0		1645.5	0		1630.1	0		1628.0	0	
5	1735.9	0		1282.4	0		1730.0	1		1718.9	0		1726.4	1	
6	1852.1	1		1528.0	0		1673.2	1		1815.8	1		1669.8	0	
7	1759.81	0		1536.07	0		1609.85	1		1758.89	1		1707.25	0	
8	1822.23	1		1554.29	0		1541.15	0		1706.64	1		1759.54	1	
9	1750.99	0		1599.11	0		1585.43	0		1603.76	0		1711.95	1	
10	1825.89	1		1676.97	0		1632.33	0		1660.2	0		1651.53	1	
11	1785.76	0		1804.78	1		1685.55	0		1694.58	1		1599.33	0	
12	1779.88	1		1717.39	1		1738.66	0		1663.81	1		1642.72	0	
13															
14															
15															

Summary: Total Usable Shots: 120 Acceptable Perforations below 1335 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 35 Acceptable
 Stops (Partial Penetrations): 85 Good

Test Data and Regression Model

Regression Analysis
 Regression Model: Logistic
 Model Parameters: β_0 : -29.8
 β_1 : 0.017
 Estimated V50: 1715 ft/s
 Estimated V05: 1545 ft/s

Probability of perforation at NIJ reference velocity (1305 ft/sec): 0.1% Acceptable



EXPORT CONTROLLED DATA

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

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N009A Test ID: SAF09-001661 Report Date: 04/14/10
 Manufacturer: Safariland, LLC. Model Designation: BA-2000S-XT01 NIJ Armor Type: 2
 Ammunition: .357 Mag 158/JSP Threat 2 - New Armor Reference Velocity: 1430 ± 30 ft/s Water Submersion: No

Shot Number	Sample 16			Sample 16			Sample 17			Sample 17			Sample 18		
	Front	Panel	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Front	Panel	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Front	Panel	Note
1	1424.3	0		1427.6	0		1416.9	0		1430.1	0		1422.4	0	
2	1575.1	0		1549.7	0		1554.6	0		1536.6	0		1518.8	0	
3	1642.2	0		1655.5	1		1626.4	0		1612.3	0		1590.1	0	
4	1668.8	1		1577.4	0		1757.5	1		1729.6	1		1704.4	1	
5	1703.1	0		1630.5	1		1675.6	1		1663.4	1		1665.6	1	
6	1697.9	1		1594.0	1		1602.8	1		1577.4	0		1585.5	1	
7	1699.96	1		1630.47	1		1573.28	1		1620	1		1503.22	0	
8	1632.37	1		1524.46	0		1450.82	0		1582.93	0		1558.81	0	
9	1587.5	0		1570.26	0		1513.18	0		1643.33	0		1624.32	0	
10	1645.03	1		1636.76	1		1580.09	0		1655.25	1		1658.85	1	
11	1596.57	0		1583.98	0		1651.1	1		1619.77	1		1612.3	1	
12	1647.21	0		1599.69	0		1595.5	0		1569.01	0		1555.34	0	
13															
14															
15															

Shot Number	Sample 18			Sample 19			Sample 19			Sample 20			Sample 20		
	Back	Panel	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note
1	1427.8	0		1428.8	0		1420.8	0		1432.4	0		1433.5	0	
2	1525.1	0		1516.0	0		1521.1	0		1534.2	0		1520.0	0	
3	1638.1	0		1670.8	0		1630.6	1		1606.0	0		1608.6	1	
4	1656.3	0		1746.8	1		1532.0	0		1736.4	1		1556.4	0	
5	1732.0	1		1738.4	1		1586.5	1		1636.0	1		1591.6	1	
6	1707.3	1		1642.2	1		1540.0	0		1576.6	0		1530.7	0	
7	1630.47	1		1601.52	1		1591.64	1		1634.84	1		1602.6	1	
8	1590.89	0		1508.08	0		1554.41	0		1572.55	1		1541.19	0	
9	1594.21	1		1570.78	0		1602.82	0		1527.3	0		1593.46	0	
10	1549.45	0		1626.21	1		1653.29	1		1570.05	1		1665.36	1	
11	1623.21	1		1573.54	0		1579.88	0		1531.06	0		1591.64	1	
12	1564.26	0		1616.03	0		1628.34	0		1586.53	0		1545.31	0	
13															
14															
15															

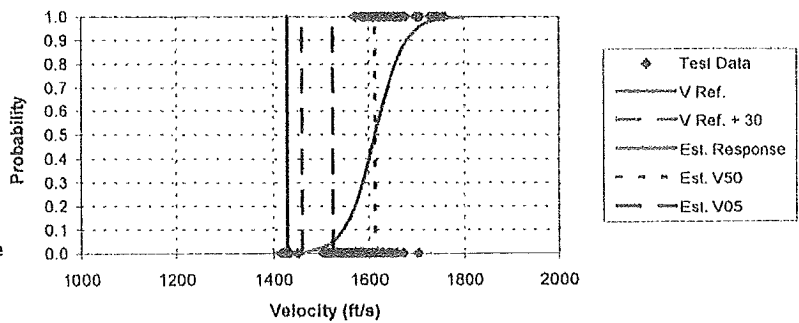
Summary: Total Usable Shots: 120 Good Perforations below 1460 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 49 Acceptable
 Stops (Partial Penetrations): 71 Acceptable

Test Data and Regression Model

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : -53.1
 β_1 : 0.033

Estimated V50: **1613 ft/s**
 Estimated V05: 1523 ft/s

Probability of perforation at NIJ reference velocity (1305 ft/sec): **0.2% Acceptable**



REPORT CONTROLLED DATA

These computerized technology documents are not controlled for export in accordance with the U.S. Export Administration Regulation.

Diversion contrary to U.S. law is prohibited.
 BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N009A Test ID: SAF09-001661 Report Date: 04/14/10
 Manufacturer: Safariland, LLC Model Designation: BA-2000S-XT01 NIJ Armor Type: 2

Threat 1 - Conditioned Armor
 Ammunition: 9mm 124/FMJ
 Test Velocity: 1245 ± 30 ft/s Wet: No

Threat 2 - Conditioned Armor
 Ammunition: .357 Mag 158/JSP
 Test Velocity: 1340 ± 30 ft/s Wet: No

Shot Number	Sample 25			Sample 25		
	Front Panel	Perf (Y=1/N=0)	Note	Back Panel	Perf (Y=1/N=0)	Note
1	1233.6	0		1222.5	0	
2	1346.5	0		1319.6	0	
3	1472.5	0		1402.5	0	
4	1544.8	0		1530.4	0	
5	1673.6	1		1606.2	0	
6	1580.3	0		1713.0	1	
7	1676.08	1		1657.46	0	
8	1618.35	1		1676.08	0	
9	1566.74	0		1720.79	1	
10	1606.73	0		1656.31	1	
11	1653.77	0		1642.2	1	
12	1696.08	0		1600.98	0	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 7
 Stops (PP): 17
 Perforations below 1275 ft/s: 0 Acceptable

Regression Analysis
 Regression Model: Logistic
 Model Parameters: β_0 : -48.5
 β_1 : 0.029

Shot Num	Sample 26			Sample 26		
	Front Panel	Perf (Y=1/N=0)	Note	Back Panel	Perf (Y=1/N=0)	Note
1	1357.5	0		1339.4	0	
2	1456.8	0		1459.8	0	
3	1547.2	0		1540.9	1	
4	1641.4	1		1467.3	0	
5	1565.3	1		1517.4	0	
6	1486.6	0		1576.3	0	
7	1520.65	0		1613.84	1	
8	1588.33	0		1589.08	1	
9	1617.58	0		1519	0	
10	1636.76	0		1598.08	0	
11	1702.89	1		1593.68	0	
12	1670.41	0		1661.64	0	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 6
 Stops (PP): 18
 Perforations below 1370 ft/s: 0 Acceptable

Regression Analysis
 Regression Model: Logistic
 Model Parameters: β_0 : -21.5
 β_1 : 0.013

Overall Ballistic Limit Summary	
Perforations below $V_{ref} + 30$ ft/sec:	0 <u>This requirement is for all Ballistic Limit tested samples - New and Conditioned</u> This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.
Probability of perforation at the P-BFS reference velocity	<u>This requirement is for New armors only</u>
Threat 1:	0.1%
Threat 2:	0.2%
This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.	

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

EXPORT CONTROLLED DATA
 These commodities, technology, or data are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
 BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 06/28/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101151
Test Date: 06/28/10
Customer: Safariland, LLC

Test Conditions

Temperature: 72 °F.
Humidity: 52 %
Clay Block No.: 8
Clay Temp.: 101 °F.
Drops (Avg.): 21 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat

Range 2

Muzzle to Scr. 1: 5.08 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.29 ft.
Midpoint to Target: 8.16 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
XT01	1.64	Wet	0	1	1	357 Sig	125/GDHP	423.5	1353	30
XT01	1.64	Wet	0	2	2	357 Sig	125/GDHP	425.0	1348	31
XT01	1.64	Wet	0	3	3	357 Sig	125/GDHP	423.1	1354	31
XT01	1.64	Wet	30	4	4	357 Sig	125/GDHP	419.9	1364	No Perforation
XT01	1.64	Wet	45	5	5	357 Sig	125/GDHP	424.4	1350	No Perforation
XT01	1.64	Wet	0	6	6	357 Sig	125/GDHP	418.7	1368	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:

Speer 357 Sig 125gr. GDHP (23918) @1375 fps (+/-30).

Sample Tested:

Model No.: BA-2000S-XT01
Size: LRC
DoM: June 2010
Serial No.: 10107981
Lot No.: 019218
Front Panel

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 06/28/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101152
Test Date: 06/28/10
Customer: Safariland, LLC

Test Conditions

Temperature: 72 °F.
Humidity: 52 %
Clay Block No.: 8
Clay Temp.: 101 °F.
Drops (Avg.): 21 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat

Range 2

Muzzle to Scr. 1: 5.08 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.29 ft.
Midpoint to Target: 8.16 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
XT01	1.65	Wet	0	1	1	9mm	127/SXT	462.5	1238	29
XT01	1.65	Wet	0	2	2	9mm	127/SXT	459.4	1247	31
XT01	1.65	Wet	0	3	3	9mm	127/SXT	453.7	1263	34
XT01	1.65	Wet	30	4	4	9mm	127/SXT	455.5	1258	No Perforation
XT01	1.65	Wet	45	5	5	9mm	127/SXT	454.9	1259	No Perforation
XT01	1.65	Wet	0	6	6	9mm	127/SXT	456.3	1255	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:

Winchester 9mm 127gr. SXT +P+ (RA9TA) @1250 fps (+/-30).

Sample Tested:

Model No.: BA-2000S-XT01
Size: LRRC
DoM: June 2010
Serial No.: 10107994
Lot No.: 019218
Back Panel

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.
Diversion contrary to U.S. law is prohibited
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 06/28/10
 Via: Fed Ex
 Returned Via: UPS

Record No: BAE101153
 Test Date: 06/28/10
 Customer: Safariland, LLC

Test Conditions

Temperature: 72 °F.
 Humidity: 52 %
 Clay Block No.: 8
 Clay Temp.: 101 °F.
 Drops (Avg.): 21 mm
 Test Spec.: Modified/Abbreviated NIJ 0101.06
 Threat Level: Special Threat

Range 2

Muzzle to Scr. 1: 5.08 ft.
 Screen 1 - 2: 5.73 ft.
 Screen 2 - Target: 5.29 ft.
 Midpoint to Target: 8.16 ft.
 Target to Witness: 0 ft.
 Barrel Length: 4 in.
 Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
XT01	1.64	Wet	0	1	1	9mm	124/HST	461.7	1241	26
XT01	1.64	Wet	0	2	2	9mm	124/HST	461.9	1240	28
XT01	1.64	Wet	0	3	3	9mm	124/HST	459.8	1246	28
XT01	1.64	Wet	30	4	4	9mm	124/HST	466.7	1227	No Perforation
XT01	1.64	Wet	45	5	5	9mm	124/HST	464.0	1234	No Perforation
XT01	1.64	Wet	0	6	6	9mm	124/HST	463.8	1235	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
 7447 W. 33rd St. N.
 Wichita, KS 67205 U.S.A.

316-832-1600 Phone
 316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
 **Projectiles provided by customer.

Ammunition:

Federal 9mm 124gr. +P HST (P9HST1) @ 1250 fps (+/-30).

Sample Tested:

Model No.: BA-2000S-XT01
 Size: LRC
 DoM: June 2010
 Serial No.: 10107987
 Lot No.: 019218
 Front Panel

EX-100 (C) 2005 BAE SYSTEMS
 These commodities are controlled
 for export in accordance with the U.S. Export
 Administration Regulation.
 Diversion contrary to U.S. law is prohibited.
 BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 06/28/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101154
Test Date: 06/28/10
Customer: Safariland, LLC

Test Conditions

Temperature: 72 °F.
Humidity: 52 %
Clay Block No.: 8
Clay Temp.: 100 °F.
Drops (Avg.): 21 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat

Range 2

Muzzle to Scr. 1: 5.08 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.29 ft.
Midpoint to Target: 8.16 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
XT01	1.64	Wet	0	1	1	40 S&W	165/SXT	478.8	1196	30
XT01	1.64	Wet	0	2	2	40 S&W	165/SXT	512.0	1119	28
XT01	1.64	Wet	0	3	3	40 S&W	165/SXT	486.5	1177	31
XT01	1.64	Wet	30	4	4	40 S&W	165/SXT	498.8	1148	No Perforation
XT01	1.64	Wet	45	5	5	40 S&W	165/SXT	510.5	1122	No Perforation
XT01	1.64	Wet	0	6	6	40 S&W	165/SXT	511.9	1119	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:
Winchester 40 Cal. 165gr. SXT (RA40TA) @1140 fps (+/-30).

Sample Tested:
Model No.: BA-2000S-XT01
Size: LRRC
DoM: June 2010
Serial No.: 10107995
Lot No.: 019218
Back Panel

EXPORT CONTROL NOTICE
These commodities, technology, and data are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 7/7/10
Via: FedEx
Returned Via: UPS

Record No: BAE101242
Test Date: 07/13/10
Customer: BAE Systems

Test Conditions

Temperature: 70 °F.
Humidity: 55 %
Clay Block No.: 3
Clay Temp.: 101 °F.
Drops (Avg.): 21 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: II
Condition: New

Range 4

Muzzle to Scr. 1: 6.67 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.63 ft.
Midpoint to Target: 7.50 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
LCR	1.60	Wet	0	1	1	357 Sig	125/TMJ	425.7	1346	29.37
LCR	1.60	Wet	0	2	2	357 Sig	125/TMJ	420.9	1361	26.86
LCR	1.60	Wet	0	3	3	357 Sig	125/TMJ	427.1	1341	24.78
LCR	1.60	Wet	30	4	4	357 Sig	125/TMJ	432.4	1325	No Perforation
LCR	1.60	Wet	45	5	5	357 Sig	125/TMJ	427.8	1339	No Perforation
LCR	1.60	Wet	0	6	6	357 Sig	125/TMJ	426.3	1344	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
Shot location marking per NIJ 0101.06, Section 7.8.1.

Shot-to-edge distance: 2.25"
*Projectile and velocity per customer request.

Sample Tested:
Model No.: BA-2000S-XT01
Panel Side: Front
Size: LCR
DoM: Jun-10
Serial No.: 10107983
Lot No.: 019218
Threat Level: II

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received.: 12/09/10
Via: FedEx
Returned Via: UPS

Record No.: BAE102433
Test Date: 12/13/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 34 %
Clay Block No.: 9
Clay Temp.: 98 °F.
Drop Avg.: 18.81 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Conditioning: Wet

Range 2

Muzzle to Screen 1: 5.37 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.38 ft.
Midpoint to Target: 8.25 ft.
Target to Witness: 0 ft.
Clay Block: 5.5 in.
Barrel Length: 4 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lbs.)	Wet Dry	0-30 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY lps	Penetration BFS (mm)
Back	1.64	Wet	0	1	1	5.7x28mm	SS197	323.2	1772	22.07
Back	1.64	Wet	0	2	2	5.7x28mm	SS197	334.8	1711	21.07
Back	1.64	Wet	0	3	3	5.7x28mm	SS197	336.7	1701	20.51
Back	1.64	Wet	30	4	4	5.7x28mm	SS197	331.2	1729	No Penetration
Back	1.64	Wet	45	5	5	5.7x28mm	SS197	340.0	1685	No Penetration
Back	1.64	Wet	0	6	6	5.7x28mm	SS197	326.8	1753	No Penetration

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600
316-832-1602

Phone
Fax

REMARKS/NOTES:

Customer requested factory velocities.

Sample Tested:

Manufacturer: BAE Systems
Model No.: BA-2000S-XT01
Serial No.: 10107966
Lot No.: 01918
Size: LCR
DoM: Jun-2010
Threat Level: II

EXPORT CONTROL NOTICE
These munitions are controlled
for export in accordance with U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

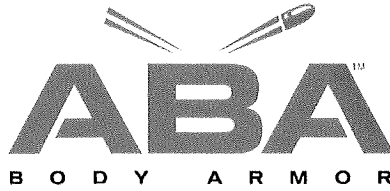


A Product of the Safariland™ Company

TECHNICAL SPECIFICATION

Xtreme® Series – XT01F – Type II

Test Standard	NIJ Standard: 0101.06
Model	NIJ: BA-2000S-XT01F
Threat Type	II
Configuration	Semi-Structured
Armor Material	Twaron® Microlaminate, Gold Shield® GN-2117, Female Semi-structured® (Cover Dart Technology™), Advanced Side Tack Stitching
Armor Panel Covering	2 ply, 70 Denier Textured Nylon Blockade with TPU lamination system
Areal Density [lbs/ft ²]	0.93
Thickness [inches] ASTM Standard D1777-97	0.208
New V50 – .9 mm FMJ RN 124gr [ft/s]	1661
Conditioned V50 – .9 mm FMJ RN 124gr [ft/s]	1638
New V50 – .357 Mag JSP 158gr [ft/s]	1603
Conditioned V50 – .357 Mag JSP 158gr [ft/s]	1635
Backface Average – .9 mm	30.71
Backface Average – .357 Mag	33.04
Additional Special Threats have been Tested at USTL in accordance with Modified/Abbreviated NIJ 0101.06 Standard IAW Sec 7.8.2 unless otherwise specified.	
<ul style="list-style-type: none"> Federal 9mm 124GR.+P+ HST–Tested Velocity 1250 fps – No Perforations - IAW Section 7.8.1- Shot to Edge 2.25" 	
<ul style="list-style-type: none"> Speer .357 Sig 125 GDHP (54234)-Tested Velocity 1375fps - No perforations - IAW Section 7.8.1- Shot to Edge 2.50" 	
<ul style="list-style-type: none"> Winchester .40 Cal 165Gr. SXT (RA40TA)-Tested Velocity 1140 fps - No perforations- IAW Section 7.8.1- Shot to Edge 2.25" 	



**Xtreme® Series XT01F (Type II)
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the American Body Armor® Xtreme® Series XT01F (Type II) Model (NIJ Model # BA-2000S-XT01F) that is compliant with National Institute of Justice (NIJ) Standard Q101.06 Ballistic Resistance of Personal Body Armor for Type II classification and manufactured by 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 American Body Armor® Xtreme® Series XT01F (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 armor design.	Provides the perfect balance between blunt trauma reduction and ballistic resistance against a wide array of bullets.
Woven Aramid - Teijin Twaron®	The use of Teijin Twaron® products made from Aramid fibers in various size yarns (dtex) that are woven together to form a fabric of material.	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.
Gold Shield® GN-2117 Unidirectional Aramid Fiber	Honeywell's latest addition to the Gold family of soft armor products. Gold Shield® GN-2117 combines Honeywell's patented Shield technology with aramid fiber. Gold Shield® GN-2117 is a ballistic product consisting of two plies of unidirectional aramid fiber, cross-plyed at 0°/90°.	Gold Shield® GN-2117 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. Gold Shield® GN-2117 was designed for increased flexibility and comfort.
Covered Dart Construction (Female Semi-Structured Design)	The technique of forming bust cups through the cutting of darts into the armor panel, then stitching an additional armor insert over the dart to provide the designated level of protection	Provides an exact imitation of the female bust area allowing for 360° degrees of protection without the exposed area caused by butted slits or darts. In addition, allows uniformity for both male and female armor model in material design for both genders.

3. Armor Design (Construction) - continued

Feature(s)	Definition(s)	Benefit(s)
Advanced Stitching (Vertical Side Tacks)	The use of side tacks or vertical stitch lines sewn on both sides of the armor panel.	The advanced stitch design increases the ballistic performance of the armor panel by creating less yaw (tumbling or turning of the bullet). This provides an expanded reinforced area along the side of the armor panel for increased performance during edge shots.
Grip Loc™ Integrated Suspension System	The use of adhesive tabs sewn to the armor panel that adheres to the interior of the cover material. In addition, Velcro® Hook Tabs are adhered to the exterior of the cover material for added support.	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 a Brookwood 70 Denier nylon blockade with TPU lamination system that has a hydrostatic resistance (ASTM-D 751) minimum of 120 pounds per square inch (PSI) to burst and breakaway adhesion (ASTM-D 5035) minimum of 25 pounds per inch (lbs/in). Armor panel has edges heat-sealed through a son bond process with a minimum of a .25" wide seal.	Provides a durable protective cover around the armor panels that resists environmental contaminate(s).

4. Armor Design (Ballistic Performance):

The American Body Armor® Xtreme® Series XT01F (Type II) has the following performance characteristics as documented through a combination of NIJ Body Armor Compliance Testing Summary Reports, Independent NIJ Laboratory Testing Reports, and internal Safariland™ Ballistic Laboratory Testing:

Feature(s)	Data
Areal Density (lbs per square foot)	0.93 (lbs ft ²)
Thickness (inches)	0.208 (in)
.9 mm Estimated V-50 (New) (feet per second)	1661 (fps)
.9 mm Estimated Velocity with 95 % Probability of Stop V-05 (New) (feet per second)	1538 (fps)
.9 mm Probability of Perforation at P-BFS (New) (percentage)	0.0 (%)
.9 mm Average Backface Signature (New) (millimeters)	30.71 (mm)
.357 Mag Estimated V50 (NEW) (feet per second)	1603 (fps)
.357 Mag Estimated Velocity of 95% Probability of Stop V-05 (NEW) (feet per second)	1531 (fps)
.357 Mag Probability of Perforation at P-BFS (NEW) (percentage)	0.1 (%)
.357 Mag Average Backface Signature (NEW) (millimeters)	33.04 (mm)
.9 mm Estimated V-50 (conditioned) (feet per second)	1638 (fps)
.357 Mag Estimated V-50 (conditioned) (feet per second)	1635 (fps)
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Backface Signature (P-BFS)	Speer .357 Sig 125 GDHP, Winchester .40 Cal 165Gr.SXT, Federal 9mm 124GR.HST,

5. Availability:

The American Body Armor® Xtreme® Series XT01F (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	No
Gender Specific Shape and Grade for Male(s) Availability	No
Gender Specific Shape and Grade for Female(s) Availability	Yes

6. Support Programs: (Continued)

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



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

July 27, 2010

Scott O'Brien
President
Safariland, LLC
3120 East Mission Blvd
Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06
Body Armor Model Designation: BA-2000S-XT01F
NIJ Compliance Status Expires: July 27, 2015

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard-0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the *NIJ Body Armor Compliance Testing Program Administrative Manual* and the *Ballistic Body Armor Applicant Package*, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

Debra Stoe
Physical Scientist
National Institute of Justice

EXPORT CONTROL NOTICE
These commodities and/or technical data are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 10N010B Test ID: SAF09-001662 Report Date: 05/20/10
Manufacturer: Safariland, LLC. Model Designation: BA-2000S-XT01F NIJ Armor Type: 2

Threat 1 - New Armor
Ammunition: 9mm 124/FMJ Reference Velocity: 1305 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 2 inches

Shot Number	Sample 1 Size: C-5				Sample 2 Size: C-5																				
	Front Panel		Back Panel		Front Panel		Back Panel																		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note									
1	1309.4	0	28.0		1315.2	0	30.0		1324.7	0	26.0		1316.2	0	28.0										
2	1323.0	0	36.0		1304.5	0	31.0		1317.8	0	28.0		1304.6	0	23.0										
3	1314.8	0	36.0		1318.0	0	33.0		1311.5	0	33.0		1316.6	0	29.0										
4	1321.4	0		g	1302.8	0			1310.4	0		g	1324.4	0											
5	1300.5	0		g	1302.8	0			1316.2	0		g	1326.0	0											
6	1313.9	0			1323.0	0			1315.5	0			1312.1	0											
7																									
8																									
Summary:		Perforations: 0 (Pass)				BFS Statistics: Count: 12				Average: 30.1 mm				Maximum BFS: 36.0 mm				k1: 1.568				St. Dev.: 3.92 mm			
(Pass - No BFS greater than 44 mm)																									

Shot Number	Sample 3 Size: C-1				Sample 4 Size: C-1																				
	Front Panel		Back Panel		Front Panel		Back Panel																		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note									
1	1327.4	0	30.0		1333.4	0	29.0		1331.9	0	29.0		1313.6	0	28.0										
2	1331.0	0	35.0		1314.1	0	35.0		1308.3	0	28.0		1316.7	0	28.0										
3	1322.1	0	36.0		1306.9	0	33.0		1314.2	0	34.0		1306.2	0	31.0										
4	1299.7	0		g	1302.8	0			1305.3	0		g	1320.6	0											
5	1316.2	0		g	1316.4	0			1315.0	0		g	1326.4	0											
6	1322.1	0			1301.0	0			1308.3	0			1329.6	0											
7																									
8																									
Summary:		Perforations: 0 (Pass)				BFS Statistics: Count: 12				Average: 31.3 mm				Maximum BFS: 36.0 mm				k1: 1.568				St. Dev.: 3.08 mm			
(Pass - No BFS greater than 44 mm)																									

Threat 2 - New Armor
Ammunition: .357 Mag 158/JSP Reference Velocity: 1430 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 3 inches

Shot Number	Sample 5 Size: C-5				Sample 6 Size: C-5																				
	Front Panel		Back Panel		Front Panel		Back Panel																		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note									
1	1434.7	0	32.0		1445.0	0	29.0		1424.9	0	30.0		1422.4	0	30.0										
2	1429.2	0	33.0		1427.2	0	37.0		1425.9	0	34.0		1407.1	0	34.0										
3	1425.1	0	33.0		1451.4	0	35.0		1434.9	0	31.0		1423.2	0	28.0										
4	1438.3	0		g	1452.3	0			1439.7	0		g	1432.2	0											
5	1428.2	0		g	1452.3	0			1432.6	0		g	1446.9	0											
6	1423.4	0			1431.7	0			1425.5	0			1429.2	0											
7	1433.65	0							1416.7	0															
8																									
Summary:		Perforations: 0 (Pass)				BFS Statistics: Count: 12				Average: 32.2 mm				Maximum BFS: 37.0 mm				k1: 1.568				St. Dev.: 2.66 mm			
(Pass - No BFS greater than 44 mm)																									

Shot Number	Sample 7 Size: C-1				Sample 8 Size: C-1																				
	Front Panel		Back Panel		Front Panel		Back Panel																		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note									
1	1443.3	0	34.0		1452.7	0	34.0		1411.2	0	33.0		1421.8	0	32.0										
2	1453.0	0	36.0		1432.6	0	36.0		1429.9	0	35.0		1444.4	0	36.0										
3	1425.3	0	35.0		1433.2	0	33.0		1427.6	0	31.0		1422.2	0	32.0										
4	1443.3	0		g	1425.3	0			1454.7	0		g	1442.9	0											
5	1436.8	0		g	1411.0	0			1431.6	0		g	1458.3	0											
6	1425.9	0			1441.4	0			1431.9	0			1422.8	0											
7	1439.74	0							1425.3	0															
8																									
Summary:		Perforations: 0 (Pass)				BFS Statistics: Count: 12				Average: 33.9 mm				Maximum BFS: 36.0 mm				k1: 1.568				St. Dev.: 1.73 mm			
(Pass - No BFS greater than 44 mm)																									

This communication is controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited. BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 10N010B Test ID: SAF09-001662 Report Date: 05/20/10
 Manufacturer: Safariland, LLC. Model Designation: BA-2000S-XT01F NIJ Armor Type: 2

Threat 1 - Conditioned Armor
 Ammunition: 9mm 124/FMJ Test Velocity: 1245 ± 30 ft/s Water Submersion: No
 Shot-to-Edge: 2 inches

Shot Number	Sample 21 Size: C-5				Sample 22 Size: C-1												
	Front Panel		Back Panel		Front Panel		Back Panel										
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1221.4	0	38.0		1229.3	0	38.0		1268.2	0	30.0		1259.2	0	30.0		
2	1229.1	0	38.0		1249.1	0	38.0		1258.3	0	31.0		1270.5	0	39.0		
3	1224.6	0	33.0		1273.2	0	31.0		1269.9	0	30.0		1225.1	0	35.0		
4	1228.3	0		g	1259.6	0			1251.0	0		g	1276.7	0			
5	1246.7	0		g	1274.4	0			1264.5	0		g	1242.6	0			
6	1219.6	0			1270.5	0			1260.0	0			1279.5	0			
7																	
8																	
Summary:		Perforations: 0 (Pass) Maximum BFS: 38.0 mm (no requirement)				Perforations: 0 (Pass) Maximum BFS: 32.0 mm (no requirement)											

Threat 2 - Conditioned Armor
 Ammunition: .357 Mag 158/JSP Test Velocity: 1340 ± 30 ft/s Water Submersion: No
 Shot-to-Edge: 3 inches

Shot Number	Sample 23 Size: C-5				Sample 24 Size: C-1												
	Front Panel		Back Panel		Front Panel		Back Panel										
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1328.5	0	29.0		1341.2	0	33.0		1340.3	0	32.0		1355.1	0	31.0		
2	1323.3	0	33.0		1351.9	0	33.0		1344.2	0	34.0		1349.9	0	34.0		
3	1342.9	0	31.0		1350.3	0	31.0		1376.4	0	30.0		1356.4	0	39.0		
4	1350.6	0		g	1356.9	0			1358.1	0		g	1346.9	0			
5	1349.3	0		g	1351.5	0			1352.3	0		g	1337.0	0			
6	1355.8	0			1315.0	0			1354.0	0			1353.6	0			
7	1367.16	0							1338.1	0							
8																	
Summary:		Perforations: 0 (Pass) Maximum BFS: 36.0 mm (no requirement)				Perforations: 0 (Pass) Maximum BFS: 34.0 mm (no requirement)											

Overall P-BFS Summary	
Perforations: This requirement is for all P-BFS tested samples - New and Conditioned 0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.	
Backface Signature: This requirement is for New armors only	
Maximum BFS: 37.0 mm This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.	

EXPORT CONTROL NOTICE
 These commodities, technical data, or information are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.
 BAE Systems

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N010B Test ID: SAF09-001662 Report Date: 05/20/10
 Manufacturer: Safariland, LLC. Model Designation: BA-2000S-XT01F NIJ Armor Type: 2
 Ammunition: 9mm 124/FMJ Threat 1 - New Armor Reference Velocity: 1305 ± 30 ft/s Water Submersion: No

Shot Number	Sample 11			Sample 11			Sample 12			Sample 12			Sample 13		
	Front	Panel		Back	Panel		Front	Panel		Back	Panel		Front	Panel	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1293.0	0		1286.4	0		1356.4	0		1303.2	0		1295.2	0	
2	1429.3	0		1417.3	0		1448.4	0		1407.8	0		1420.1	0	
3	1527.5	0		1530.8	0		1529.6	0		1535.4	0		1521.1	0	
4	1613.6	0		1634.2	1		1624.7	0		1625.3	1		1622.6	0	
5	1732.8	0		1545.3	0		1712.1	1		1551.8	0		1700.8	1	
6	1777.1	1		1602.2	0		1664.4	1		1588.7	0		1648.4	1	
7	1719.76	0		1662.41	1		1576.79	0		1630.42	0		1547.48	0	
8	1778	1		1607.23	0		1632.33	0		1695.18	1		1618.63	0	
9	1738.02	1		1668.13	0		1682.68	1		1630.19	0		1666.72	1	
10	1673.54	1		1689.03	1		1635.59	1		1698.09	1		1611.16	0	
11	1638.87	0		1651.29	0		1564.94	0		1644.66	1		1654.63	0	
12	1693.98	0		1705.17	1		1630.19	0		1584.69	0		1704.92	1	
13															
14															
15															

Shot Number	Sample 13			Sample 14			Sample 14			Sample 15			Sample 15		
	Back	Panel		Front	Panel		Back	Panel		Front	Panel		Back	Panel	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1302.9	0		1310.6	0		1294.9	0		1305.4	0		1288.6	0	
2	1435.7	0		1421.8	0		1433.9	0		1423.2	0		1428.6	0	
3	1546.5	0		1517.3	0		1527.5	0		1541.4	0		1526.3	0	
4	1620.5	0		1618.6	0		1639.7	1		1615.4	1		1628.0	1	
5	1714.4	1		1709.1	1		1553.6	0		1547.5	0		1569.7	1	
6	1653.5	1		1649.9	1		1610.4	0		1605.4	1		1471.9	0	
7	1582.37	0		1572.51	1		1644.89	0		1551.84	0		1558.98	0	
8	1620.19	0		1488.84	0		1694.83	0		1598.57	0		1590.32	0	
9	1674.61	1		1552.85	0		1744.54	1		1658.23	0		1648.21	1	
10	1623.4	1		1598.57	0		1703.09	1		1711.44	1		1587.23	0	
11	1560.72	0		1660.44	0		1648.77	0		1657.89	0		1633.45	0	
12	1644.09	0		1701.02	0		1702.48	0		1689.98	1		1690.72	0	
13															
14															
15															

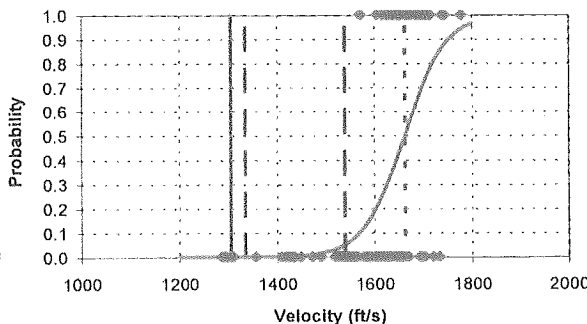
Summary: Total Usable Shots: 120 Acceptable Perforations below 1335 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 37 Acceptable
 Stops (Partial Penetrations): 83 Good

Test Data and Regression Model

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : -39.7
 β_1 : 0.024

Estimated V50: **1661 ft/s**
 Estimated V05: **1538 ft/s**

Probability of perforation at NIJ reference velocity (1305 ft/sec): **0.0% Acceptable**



◆ Test Data
 — V Ref.
 — V Ref. + 30
 — Est. Response
 - - - Est. V50
 — Est. V05

EXPORT CONTROL NOTICE
 These commodities, technology and data are controlled for export in accordance with the Export Administration Regulations.
 Diversion contrary to U.S. Law is prohibited.
 BAE Systems

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N010B Test ID: SAF09-001662 Report Date: 05/20/10
 Manufacturer: Safariland, LLC. Model Designation: BA-2000S-XT01F NIJ Armor Type: 2
 Ammunition: .357 Mag 158/JSP Threat 2 - New Armor Reference Velocity: 1430 ± 30 ft/s Water Submersion: No

Shot Number	Sample 16			Sample 16			Sample 17			Sample 17			Sample 18		
	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1			Chron	1447.4	0		1420.8	0		1424.3	0		1444.2	0	
2	1451.0	0		1530.4	0		1518.5	0		1538.3	0		1533.7	0	
3	1533.0	0		1616.0	0		1631.9	1		1639.5	0		1620.6	0	
4	1594.0	0		1685.4	1		1544.6	0		1730.2	1		1677.6	1	
5	1641.4	1		1677.3	1		1611.0	1		1659.2	1		1629.1	1	
6	1638.9	1		1599.9	1		1570.3	1		1579.7	0		1562.5	0	
7	1560.55	1		1539.29	0		1477.93	0		1632.93	1		1659.42	1	
8	1509.43	0		1593.99	0		1519	0		1596.88	0		1572.55	1	
9	1551.46	0		1626.76	0		1595.28	0		1618.13	1		1526.61	1	
10	1602.6	1		1675	1		1606.73	0		1565.8	0		1481.9	0	
11	1567.55	0		1630.79	1		1711.23	1		1615.48	0		1523.28	0	
12	1630.47	0		1596.57	1		1649.39	1		1677.85	1		1552.18	0	
13	1674.17	1													
14															
15															

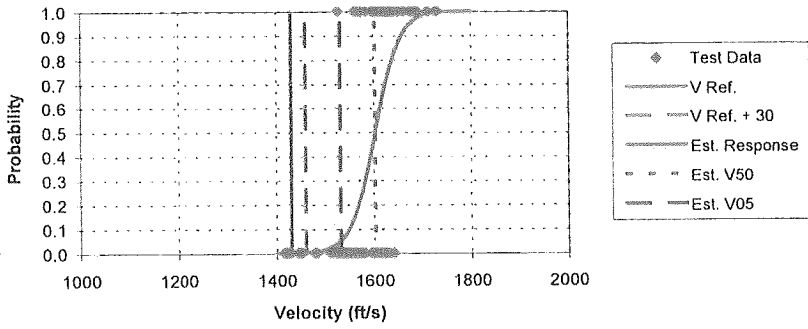
Shot Number	Sample 18			Sample 19			Sample 19			Sample 20			Sample 20		
	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1427.8	0		1429.1	0		1420.2	0		1417.9	0		1414.8	0	
2	1534.9	0		1536.6	0		1534.0	0		1542.4	0		1524.7	0	
3	1621.3	0		1613.6	1		1648.6	1		1638.1	1		1625.1	1	
4	1727.4	1		1561.8	0		1573.3	0		1559.3	0		1566.0	0	
5	1688.8	1		1606.5	0		1620.6	1		1597.3	0		1610.4	1	
6	1611.5	1		1640.0	1		1556.4	0		1660.8	1		1560.8	0	
7	1548.74	0		1599.91	1		1594.74	0		1612.07	1		1636.2	1	
8	1594.74	0		1558.09	0		1605.97	1		1559.83	0		1573.8	1	
9	1632.7	1		1616.25	0		1621.88	1		1627.78	1		1534.22	0	
10	1584.2	1		1660	1		1567.25	1	Shot 1	1577.57	0		1574.02	1	
11	1534.71	0		1598.39	0		1629.45	1	later d	1626.44	0		1580.92	0	
12	1606.73	0		1637.32	1		1580.4	0		1672.41	1		1612.84	0	
13															
14															
15															

Summary: Total Usable Shots: 120 Good Perforations below 1460 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 52 Acceptable
 Stops (Partial Penetrations): 68 Acceptable

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : -65.4
 β_1 : 0.041

Estimated V50: **1603 ft/s**
 Estimated V05: **1531 ft/s**

Probability of perforation at NIJ reference velocity (1305 ft/sec): **0.1% Acceptable**



These commodities, equipment, and services are restricted from export in accordance with the Arms Export Control Act, 22 U.S.C. 1772 and 1773, and the Arms Export Control Regulations, 22 CFR 177.12 and 177.13. Diversion contrary to U.S. law is prohibited.
 BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N010B Test ID: SAF09-001662 Report Date: 05/20/10
 Manufacturer: Safariland, LLC Model Designation: BA-2000S-XT01F NIJ Armor Type: 2

Threat 1 - Conditioned Armor
 Ammunition: 9mm 124/FMJ
 Test Velocity: 1245 ± 30 ft/s Wet: No

Threat 2 - Conditioned Armor
 Ammunition: .357 Mag 158/JSP
 Test Velocity: 1340 ± 30 ft/s Wet: No

Shot Number	Sample 25 Front Panel			Sample 25 Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1216.2	0		1228.5	0	
2	1331.7	0		1327.6	0	
3	1424.3	0		1402.3	0	
4	1466.6	0		1556.3	0	
5	1617.0	0		1624.2	1	
6	1703.6	1		1487.0	0	
7	1623.77	0		1598.08	1	
8	1694.62	1		1573.5	0	
9	1676.32	1		1592.08	0	Shot no. 9 initially determined to be a stop, later determined to be a stop
10	1619.13	0		1539.7	0	
11	1665.6	0		1623.21	0	
12	1704	1		1636.2	1	
13						
14						
15						

Shot Num	Sample 26 Front Panel			Sample 26 Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1351.4	0		1357.5	0	
2	1455.3	0		1452.7	1	
3	1563.0	0		1381.2	0	
4	1621.3	1		1427.6	0	
5	1544.3	0		1486.1	0	
6	1580.6	1		1539.0	0	
7	1505.03	0		1546.73	0	
8	1581.36	0		1596.79	0	
9	1586.22	1		1624.55	1	
10	1563.23	0		1613.61	1	
11	1618.9	0		1547.23	0	
12	1642.44	0		1565.5	0	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 7
 Stops (PP): 17
 Perforations below 1275 ft/s: 0 Acceptable
 Regression Analysis
 Regression Model: Logistic
 Model Parameters: β0: -63.5
 β1: 0.039

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 6
 Stops (PP): 18
 Perforations below 1370 ft/s: 0 Acceptable
 Regression Analysis
 Regression Model: Logistic
 Model Parameters: β0: -22.0
 β1: 0.013

Overall Ballistic Limit Summary	
Perforations below Vref + 30 ft/sec:	0 This requirement is for all Ballistic Limit tested samples - New and Conditioned This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.
Probability of perforation at the P-BFS reference velocity	This requirement is for New armors only
Threat 1:	0.0%
Threat 2:	0.1%
This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.	

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

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
 BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 10/28/10
Via: Fed Ex
Returned Via: UPS

Record No.: BAE102154
Test Date: 11/03/10
Customer: BAE Systems

Test Conditions

Temperature: 71 °F.
Humidity: 39 %
Clay Block No.: 7
Clay Temp.: 98 °F.
Drops (Avg.): 19.5 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.46 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.50 ft.
Midpoint to Target: 8.37 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	1.77	Wet	0	1	1	40	165 SXT	501.9	1141	28.48
Front	1.77	Wet	0	2	2	40	165 SXT	505.8	1132	34.14
Front	1.77	Wet	0	3	3	40	165 SXT	502.0	1141	36.43
Front	1.77	Wet	45	4	4	40	165 SXT	508.3	1127	No Perforation
Front	1.77	Wet	30	5	5	40	165 SXT	508.7	1126	No Perforation
Front	1.77	Wet	0	6	6	40	165 SXT	505.3	1134	No Perforation
Back	1.51	Wet	0	1	1	40	165 SXT	505.9	1132	27.42
Back	1.51	Wet	0	2	2	40	165 SXT	499.5	1147	30.61
Back	1.51	Wet	0	3	3	40	165 SXT	502.4	1140	31.85
Back	1.51	Wet	30	4	4	40	165 SXT	510.3	1122	No Perforation
Back	1.51	Wet	45	5	5	40	165 SXT	504.9	1134	No Perforation
Back	1.51	Wet	0	6	6	40	165 SXT	519.3	1103	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample. United States Test Laboratory 7447 W. 33rd St. N. Wichita, KS 67205 U.S.A. 316-832-1600 316-832-1602 Phone Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.
Shot-to-edge distance: 2.25"

Sample Tested:

Manufacturer: BAE
Model No.: BA-2000S-XT01F
Panel Side: Front/Back
Size: B363675C/363613C
DoM: Sep-10
Serial No.: 10180845/10180848
Lot No.: 021936
Threat Level: Special Threat

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.
DAR Systems

Sample Description:

Front
Vest:
Layers 1-2, 31: Flex woven aramid fiber (2-ply laminated, 20x20).
Layers 3-30: Smooth flex aramid film.
Bust Cup:
Layers 1-2: Flex woven aramid fiber (2-ply laminated, 20x20).
Layers 3-30: Smooth flex aramid film.
Layer 31: Flex woven aramid fiber (2-ply laminated, 20x20).

Back
Layers 1-2, 31: Flex woven aramid fiber (2-ply laminated, 20x20).
Layers 3-30: Smooth flex aramid film.

Barrett/Childers

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 10/28/10
Via: Fed Ex
Returned Via: UPS

Record No.: BAE102157
Test Date: 11/03/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 33 %
Clay Block No.: 9
Clay Temp.: 98 °F.
Drops (Avg.): 18.4 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.46 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.50 ft.
Midpoint to Target: 8.37 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.25	Wet	0	1	1	9mm	124 HST	452.7	1265	23.79
Front	2.25	Wet	0	2	2	9mm	124 HST	447.0	1281	31.33
Front	2.25	Wet	0	3	3	9mm	124 HST	455.8	1257	26.21
Front	2.25	Wet	30	4	4	9mm	124 HST	453.2	1264	No Perforation
Front	2.25	Wet	45	5	5	9mm	124 HST	457.6	1252	No Perforation
Front	2.25	Wet	0	6	6	9mm	124 HST	457.0	1253	No Perforation
Back	2.06	Wet	0	1	1	9mm	124 HST	456.1	1256	24.70
Back	2.06	Wet	0	2	2	9mm	124 HST	451.3	1269	26.35
Back	2.06	Wet	0	3	3	9mm	124 HST	453.8	1262	23.69
Back	2.06	Wet	45	4	4	9mm	124 HST	455.6	1257	No Perforation
Back	2.06	Wet	30	5	5	9mm	124 HST	456.4	1255	No Perforation
Back	2.06	Wet	0	6	6	9mm	124 HST	456.0	1256	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.
Shot-to-edge distance: 2.25"

Sample Tested:

Manufacturer: BAE
Model No.: BA-2000S-XT01F
Panel Side: Front/Back
Size: 2D424067C/424016C
DoM: Sep-10
Serial No.: 10180855/10180857
Lot No.: 021936
Threat Level: Special Threat

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.
BAE Systems

Sample Description:

Front Vest: Layers 1-2, 31: Flex woven aramid fiber (2-ply laminated, 20x20). Layers 3-30: Smooth flex aramid film. Bust Cup: Layers 1-2: Flex woven aramid fiber (2-ply laminated, 20x20). Layers 3-30: Smooth flex aramid film. Layer 31: Flex woven aramid fiber (2-ply laminated, 20x20).	Back Layers 1-2, 31: Flex woven aramid fiber (2-ply laminated, 20x20). Layers 3-30: Smooth flex aramid film.
---	---

Barrett/Childers

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 10/28/10
Via: Fed Ex
Returned Via: UPS

Record No.: BAE102159
Test Date: 11/03/10
Customer: BAE Systems

Test Conditions

Temperature: 74 °F.
Humidity: 37 %
Clay Block No.: 9
Clay Temp.: 97 °F.
Drops (Avg.): 18.7 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.46 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.50 ft.
Midpoint to Target: 8.37 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.24	Wet	0	1	1	357 Sig	125 GDHP	427.9	1339	25.45
Front	2.24	Wet	0	2	2	357 Sig	125 GDHP	422.5	1356	27.91
Front	2.24	Wet	0	3	3	357 Sig	125 GDHP	421.7	1358	29.46
Front	2.24	Wet	45	4	4	357 Sig	125 GDHP	426.5	1343	No Perforation
Front	2.24	Wet	30	5	5	357 Sig	125 GDHP	419.1	1367	No Perforation
Front	2.24	Wet	0	6	6	357 Sig	125 GDHP	431.8	1327	No Perforation
								-	-	
Back	2.06	Wet	0	1	1	357 Sig	125 GDHP	430.8	1330	25.51
Back	2.06	Wet	0	2	2	357 Sig	125 GDHP	428.7	1336	25.72
Back	2.06	Wet	0	3	3	357 Sig	125 GDHP	420.8	1361	26.75
Back	2.06	Wet	30	4	4	357 Sig	125 GDHP	421.2	1360	No Perforation
Back	2.06	Wet	45	5	5	357 Sig	125 GDHP	419.0	1367	No Perforation
Back	2.06	Wet	0	6	6	357 Sig	125 GDHP	415.4	1379	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	United States Test Laboratory 7447 W. 33rd St. N. Wichita, KS 67205 U.S.A.	316-832-1600 316-832-1602	Phone Fax
--	--	------------------------------	--------------

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.
Shot-to-edge distance: 2.25"

Sample Tested:

Manufacturer: BAE
Model No.: BA-2000S-XT01F
Panel Side: Front/Back
Size: 2D424067C/424016C
DoM: Sep-10
Serial No.: 10180856/10180858
Lot No.: 021936
Threat Level: Special Threat

EXPORT CONTROLLED DATA
These commodities, technology, or data are controlled
for export in accordance with the U.S. Export
Administration Regulations.
Diversion contrary to U.S. law is prohibited.
BAE Systems

Sample Description:

Front
Vest:
Layers 1-2, 31: Flex woven aramid fiber (2-ply laminated, 20x20).
Layers 3-30: Smooth flex aramid film.
Bust Cup:
Layers 1-2: Flex woven aramid fiber (2-ply laminated, 20x20).
Layers 3-30: Smooth flex aramid film.
Layer 31: Flex woven aramid fiber (2-ply laminated, 20x20).

Back
Layers 1-2, 31: Flex woven aramid fiber (2-ply laminated, 20x20).
Layers 3-30: Smooth flex aramid film.

Barrett/Childers



A Product of the Safariland™ Company

TECHNICAL SPECIFICATION

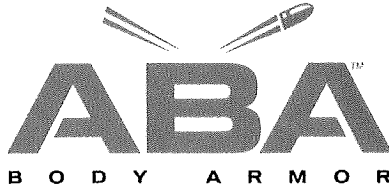
Xtreme® Series – XT01 – Type IIIA

Test Standard	NIJ Standard: 0101.06
Model	NIJ: BA-3A00S-XT01
Threat Type	IIIA
Configuration	Unstructured
Armor Material	Twaron® Microlaminate, Gold Shield® GN-2117, Curv® Solid using High Strength Polypropylene Composite Material, with Advanced Perimeter Stitching
Armor Panel Covering	2 ply, 70 Denier Nylon with Urethane Backing and Heat Sealed Edges
Areal Density [lbs/ft²]	1.24
Thickness [inches] <i>ASTM Standard D1777-97</i>	0.240
New V50 – .357 SIG FMJ FN 125 gr [ft/s]	1851
Conditioned V50 – .357 SIG FMJ FN 125 gr [ft/s]	1855
New V50 – .44 Mag JSP 240gr [ft/s]	1686
Conditioned V50 – .44 Mag JSP 240gr [ft/s]	1668
Backface Average – .357 SIG	28.47
Backface Average – .44 Mag	37.25
Additional Special Threats have been Tested at USTL in accordance with Modified/Abbreviated NIJ 0101.06 Standard IAW Sec 7.8.2 unless otherwise specified.	
<ul style="list-style-type: none"> Federal 9 mm 100Gr Frangible (BC9NT) - Tested Velocity 1100 fps ± 30 – No Perforations 	
<ul style="list-style-type: none"> Speer 357 Sig 125Gr. GDHP (23918) - Tested Velocity 1375 fps ± 30 – No Perforations 	
<ul style="list-style-type: none"> Winchester 40 S&W 165Gr. SXT (RA40TA) - Tested Velocity 1140 fps ± 30 – No Perforations 	
<ul style="list-style-type: none"> Tokarev Romanian 85Gr. FMJ -Tested Velocity 1530 fps ± 30 – No Perforations 	



A Product of the Safariland™ Company

- | |
|---|
| <ul style="list-style-type: none">• Winchester 9mm 127Gr SXT (RA9TA) - Tested Velocity 1250 fps \pm 30 – No Perforations |
| <ul style="list-style-type: none">• FN 5.7x28 SS195 L.F. IAW Section 7.8.1 - Average Tested Velocity 2118fps - No Perforations |



**Xtreme® Series XT01 (Type IIIA)
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the American Body Armor® Xtreme® Series XT01 (Type IIIA) Model (NIJ Model # BA-3A00S-XT01) 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 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 American Body Armor® Xtreme® Series XT01 (Type IIIA) 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.
Woven Aramid-Teijin Twaron®	The use of Teijin Twaron® products made from Aramid fibers in various size yarns (dtex) that are woven together to form a fabric of material	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
Gold Shield® GN-2117 Unidirectional Aramid Fiber	Honeywell's latest addition to the Gold family of soft armor products. Gold Shield® GN-2117 combines Honeywell's patented Shield technology with aramid fiber. Gold Shield® GN-2117 is a ballistic product consisting of two plies of unidirectional aramid fiber, cross-plied at 0°/90°.	Gold Shield® GN-2117 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. Gold Shield® GN-2117 was designed for increased flexibility and comfort.
Curv® Solid Technology High Strength Polypropylene	The use of a solid piece of high strength polypropylene composite material sewn to ballistic materials within the armor design.	Provides a reinforced area across the entire armor panel for increased performance during edge shots and reduced blunt trauma. In addition, provides low impact movement and rapid impact recovery of the armor panel following a ballistic event.
Advanced Stitching (Single Perimeter)	The use of a single ballistic stitch pattern along the entire perimeter of the armor panel.	Provides a reinforced area along the perimeter of the armor panel for increased performance during edge shots.

3. Armor Design (Construction) – continued

Feature(s)	Definition(s)	Benefit(s)
Grip Loc™ Integrated Suspension System	The use of adhesive tabs sewn to the armor panel that adheres to the interior of the cover material. In addition, Velcro® Hook Tabs are adhered to the exterior of the cover material for added support.	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 a Brookwood 70 Denier nylon blockade with TPU lamination system that has a hydrostatic resistance (ASTM-D 751) minimum of 120 pounds per square inch (PSI) to burst and breakaway adhesion (ASTM-D 5035) minimum of 25 pounds per inch (lbs/in). Armor panel has edges heat-sealed through a son bond process with a minimum of a .25" wide seal.	Provides a durable protective cover around the armor panels that resists environmental contaminate(s).

4. Armor Design (Ballistic Performance):

The American Body Armor® Xtreme® Series XT01 (Type IIIA) has the following performance characteristics as documented through a combination of NIJ Body Armor Compliance Testing Summary Reports, Independent NIJ Laboratory Testing Reports, and internal Safariland™ Ballistic Laboratory Testing:

Feature(s)	Data
Areal Density (lbs per square foot)	1.24 (lbs ft ²)
Thickness (inches)	0.240 (in)
.357 SIG Estimated V-50 (New) (feet per second)	1851 (fps)
.357 SIG Estimated Velocity with 95 % Probability of Stop V-05 (New) (feet per second)	1762 (fps)
.357 SIG Probability of Perforation at P-BFS (New) (percentage)	0.00 (%)
.357 SIG Average Backface Signature (New) (millimeters)	28.47 (mm)
.44 Mag Estimated V50 (NEW) (feet per second)	1686 (fps)
.44 Mag Estimated Velocity of 95% Probability of Stop V-05 (NEW) (feet per second)	1560 (fps)
.44 Mag Probability of Perforation at P-BFS (NEW) (percentage)	0.2 (%)
.44 Mag Average Backface Signature (NEW) (millimeters)	37.25 (mm)
.357 SIG Estimated V-50 (conditioned) (feet per second)	1855 (fps)
.44 Mag Estimated V-50 (conditioned) (feet per second)	1668 (fps)
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Backface Signature (P-BFS)	Winchester 9mm 127 Gr. SXT, Winchester .40 S&W 165 Gr SXT, Speer .357 Sig 125 Gr. GDHD, Tokarev Romanian 85 Gr. FMJ, Federal 9mm 100 Gr. Frangible, FN 5.7x28 SS 195 L.F.

5. Availability:

The American Body Armor® Xtreme® Series XT01 (Type IIIA) 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
Gender Specific Shape and Grade for Female(s) Availability	Yes

6. Support Programs:

Classification(s)	Current Status
Warranty	5 Years
Quality Assurance Program(s)	ISO 9001 / Vest Check Program
Safety Assurance Program(s)	OHSAS 18001

6. Support Programs- (continued)

Environmental Assurance Program(s)	ISO 14001
Liability Insurance	Information Available Upon Request



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

September 7, 2010

Scott O'Brien
President
Safariland, LLC
3120 East Mission Blvd
Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06
Body Armor Model Designation: BA-3A00S-XT01
NIJ Compliance Status Expires: September 7, 2015

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard-0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the *NIJ Body Armor Compliance Testing Program Administrative Manual* and the *Ballistic Body Armor Applicant Package*, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

Debra Stoe
Physical Scientist
National Institute of Justice

FOR OFFICIAL USE ONLY
This document contains information that is unclassified but is controlled for export in accordance with the provisions of the Export Administration Regulations.
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
R&D Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 10N029 Test ID: SAF09-001697 Report Date: 07/26/10
Manufacturer: Safariland LLC Model Designation: BA-3A00S-XT01 NIJ Armor Type: 3A

Threat 1 - New Armor
Ammunition: 357 SIG 125/FMJ Reference Velocity: 1470 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 2 inches

Shot Number	Sample 1 Size: C-5				Sample 2 Size: C-5					
	Front Panel		Back Panel		Front Panel		Back Panel			
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note		
1	1479.3	0	28.6		1466.5	0	23.9			
2	1453.1	0	33.4		1462.4	0	31.6			
3	1467.0	0	32.5		1490.3	0	23.9			
4				b	1480.3	0				
5	1478.2	0			1484.2	0				
6	1467.0	0			1464.5	0				
7	1455.47	0								
8										
Summary:		Perforations: 0 (Pass)	BFS Statistics: Count 12	Average: 29.1 mm			St Dev: 3.30 mm			
		Maximum BFS: 33.4 mm	(Pass - No BFS greater than 44 mm)							

Shot Number	Sample 3 Size: C-1				Sample 4 Size: C-1					
	Front Panel		Back Panel		Front Panel		Back Panel			
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note		
1	1485.2	0	28.7		1465.4	0	28.0			
2	1484.2	0	31.2		1463.9	0	28.5			
3	1479.5	0	31.0		1494.4	0	26.0			
4	1472.9	0			1444.7	0				
5	1469.6	0			1501.5	0				
6	1479.1	0			1498.3	0				
7										
8										
Summary:		Perforations: 0 (Pass)	BFS Statistics: Count 12	Average: 27.9 mm			St Dev: 1.75 mm			
		Maximum BFS: 31.2 mm	(Pass - No BFS greater than 44 mm)							

Threat 2 - New Armor
Ammunition: 44 Mag 240/SJHP Reference Velocity: 1430 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 3 inches

Shot Number	Sample 5 Size: C-5				Sample 6 Size: C-5					
	Front Panel		Back Panel		Front Panel		Back Panel			
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note		
1	1437.8	0	35.8		1425.7	0	37.4			
2	1430.6	0	35.2		1427.7	0	41.5			
3	1423.2	0	35.9		1436.1	0	36.3			
4	1445.2	0			1431.2	0				
5	1430.2	0			1446.9	0				
6	1433.9	0			1434.8	0				
7										
8										
Summary:		Perforations: 0 (Pass)	BFS Statistics: Count 12	Average: 36.5 mm			St Dev: 2.87 mm			
		Maximum BFS: 41.5 mm	(Pass - No BFS greater than 44 mm)							

Shot Number	Sample 7 Size: C-1				Sample 8 Size: C-1					
	Front Panel		Back Panel		Front Panel		Back Panel			
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note		
1	1422.8	0	37.7		1422.5	0	39.3			
2	1433.3	0	37.0		1426.1	0	37.5			
3	1430.8	0	40.1		1432.3	0	38.6			
4	1421.7	0			1431.2	0				
5	1413.3	0			1438.2	0				
6	1426.5	0			1424.4	0				
7										
8										
Summary:		Perforations: 0 (Pass)	BFS Statistics: Count 12	Average: 38.0 mm			St Dev: 1.68 mm			
		Maximum BFS: 40.1 mm	(Pass - No BFS greater than 44 mm)							

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 10N029 Test ID: SAF09-001697 Report Date: 07/26/10
 Manufacturer: Safariland, LLC Model Designation: BA-3A00S-X101 NIJ Armor Type: 3A

Threat 1 - Conditioned Armor
 Ammunition: 357 SIG 125/FMJ Test Velocity: 1410 ± 30 ft/s Water Submersion: No
 Shot-to-Edge: 2 inches

Shot Number	Sample 21 Size: C-5				Sample 22 Size: C-1				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1415.6	0			1418.1	0			
2	1403.9	0			1409.3	0			
3	1402.5	0			1394.6	0			
4	1394.1	0			1393.6	0			
5	1406.5	0			1422.0	0			
6	1401.5	0			1397.1	0			
7									
8									
Summary:		Perforations: 0 (Pass)				Perforations: 0 (Pass)			

Threat 2 - Conditioned Armor
 Ammunition: .44 Mag 240/SJHP Test Velocity: 1340 ± 30 ft/s Water Submersion: No
 Shot-to-Edge: 3 inches

Shot Number	Sample 23 Size: C-5				Sample 24 Size: C-1				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1360.5	0			1362.8	0			
2	1364.9	0			1320.2	0			
3	1324.7	0			1361.1	0			
4	1340.2	0			1368.2	0			
5	1373.1	0			1352.1	0			
6	1374.4	0			1348.7	0			
7									
8									
Summary:		Perforations: 0 (Pass)				Perforations: 0 (Pass)			

Overall P-BFS Summary	
Perforations: This requirement is for all P-BFS tested samples - New and Conditioned 0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.	
Backface Signature: This requirement is for New armors only Maximum BFS: 41.6 mm This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a	

Compliance Test Report revision 4 (2009-06-02) / R version 2.7.1 (2008-08-28) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

EXPORT RESTRICTIONS
 This document contains information controlled
 by Department of Justice, NIJ Report
 Number 10N029
 Distribution of this report is prohibited.
 NIJ Form 1010

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N029 Test ID: SAF09-001697 Report Date: 07/26/10
 Manufacturer: Safariland, LLC Model Designation: BA-3A00S-XT01 NIJ Armor Type: 3A
 Threat 1 - New Armor Reference Velocity: 1470 ± 30 ft/s Water Submersion: No
 Ammunition: 357 SIG 125/FMJ

Shot Number	Sample 11 Front Panel			Sample 11 Back Panel			Sample 12 Front Panel			Sample 12 Back Panel			Sample 13 Front Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1470.5	0		1474.7	0		1470.0	0		1468.7	0		1440.3	0	
2	1571.4	0		1581.8	0		1596.7	0		1594.1	0		1576.7	0	
3	1673.1	0		1670.9	0		1661.0	0		1676.0	0		1685.3	0	
4	1796.5	0		1783.8	0		1767.1	0		1759.5	0		1757.3	0	
5	1846.4	0		1858.0	1		1887.7	1		1874.7	1		1864.4	1	
6	1946.8	1		1782.8	0		1802.1	0		1791.0	1		1787.0	0	
7	1882.29	1		1803.75	0		1837.55	1		1722.45	0		1831.32	1	
8	1823.86	0		1860.89	1		1793.25	0		1780.87	0		1799.5	0	
9	1863.67	0		1795.84	0		1834.13	1		1818.12	0		1857.69	1	
10	1899.33	0		1870.86	1		1794.88	0		1863.37	1		1791.9	0	
11	1921.31	1		1821.48	1		1846.13	0		1825.54	0		1847.27	0	
12	1890.99	1		1787.32	0		1879.76	0		1860.16	0		1874.71	0	
13															
14															
15															

Shot Number	Sample 13 Back Panel			Sample 14 Front Panel			Sample 14 Back Panel			Sample 15 Front Panel			Sample 15 Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1451.6	0		1476.2	0		1485.9	0		1474.0	0		1468.3	0	
2	1586.7	0		1582.5	0		1589.4	0		1580.0	0		1574.7	0	
3	1669.5	0		1663.8	0		1682.9	0		1678.8	0		1678.3	0	
4	1786.1	0		1783.1	0		1795.2	0		1757.3	0		1770.9	0	
5	1899.0	1		1893.9	1		1875.5	1		1877.5	1		1875.8	1	
6	1793.3	1		1789.3	0		1808.4	1		1782.5	0		1804.4	1	
7	1719.45	0		1846.85	0		1735.55	0		1827.64	1		1728.84	0	
8	1789.33	0		1876.49	1		1785.42	0		1784.09	0		1783.81	0	
9	1805.4	1		1839.26	0		1831.03	1		1854.5	1		1837.55	0	
10	1780.21	0		1892.37	1		1780.21	0		1787.99	0		1890.55	1	
11	1834.43	0		1836.84	0		1819.11	0		1837.55	0		1842.69	0	
12	1846.85	0		1880.07	0		1857.99	0		1886.63	1		1879.02	0	
13															
14															
15															

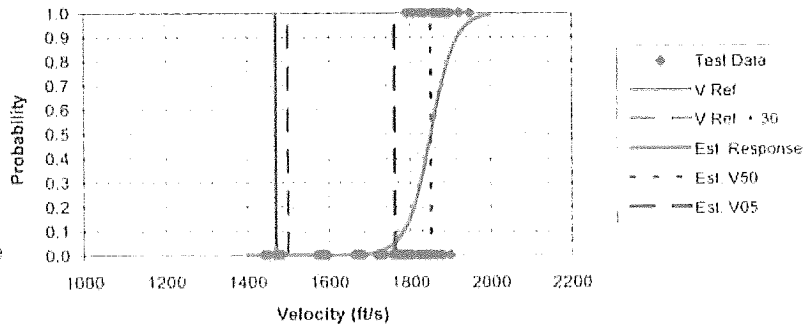
Summary: Total Usable Shots: 120 Acceptable Perforations below 1500 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 33 Acceptable
 Stops (Partial Penetrations): 87 Good

Test Data and Regression Model

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: $\beta_0: -61.0$
 $\beta_1: 0.033$

Estimated V50: **1851 ft/s**
 Estimated V05: **1762 ft/s**

Probability of perforation at NIJ reference velocity (1470 ft/sec): **0.0% Acceptable**



These compliance engineering data were generated and analyzed by the following personnel:
 Test Engineer: [Name]
 Data Analyst: [Name]
 R.M. [Name]

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N029 Test ID: SAF09-001697 Report Date: 07/26/10
 Manufacturer: Safariland, LLC Model Designation: BA-3A00S-XT01 NIJ Armor Type: 3A
 Ammunition: .44 Mag 240/SJHP Threat 2 - New Armor Reference Velocity: 1430 ± 30 ft/s Water Submersion: No

Shot Number	Sample 16			Sample 16			Sample 17			Sample 17			Sample 18		
	Front	Panel		Back	Panel		Front	Panel		Back	Panel		Front	Panel	
	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note
	(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)	
1	1445.6	0		1428.7	0		1436.9	0		1410.6	0		1439.2	0	
2	1517.6	0		1519.9	0		1537.0	0		1529.3	0		1539.1	0	
3	1618.6	0		1604.8	0		1637.5	0		1623.4	0		1636.1	0	
4	1702.4	0		1704.5	1		1714.4	0		1724.7	1		1739.6	1	
5	1815.5	1		1622.8	1		1822.9	1		1641.1	1		1640.7	1	
6	1727.6	1		1523.2	0		1732.5	1		1549.6	0		1571.9	0	
7	1651.72	0		1592.84	0		1658.42	1		1632.05	0		1621.24	0	
8	1701.57	1		1648.16	1		1572.16	0		1655.4	0		1668.66	0	
9	1650.67	1		1593.06	0		1622.57	0		1706.95	1		1728.32	0	
10	1593.06	0		1654.58	0		1674.9	1		1665.5	0		1759.86	0	
11	1638.49	0		1705.73	0		1642.11	0		1711.13	0		1810.43	0	
12	1714.35	0		1770.63	1		1672.02	0		1763.38	1		1833.31	1	
13															
14															
15															

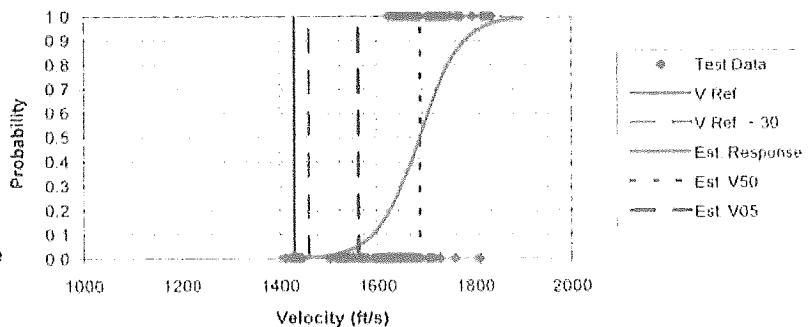
Shot Number	Sample 18			Sample 19			Sample 19			Sample 20			Sample 20		
	Back	Panel		Front	Panel		Back	Panel		Front	Panel		Back	Panel	
	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note
	(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)	
1	1424.1	0		1434.7	0		1426.4	0		1433.7	0		1428.7	0	
2	1529.8	0		1532.0	0		1528.1	0		1538.6	0		1502.4	0	
3	1626.3	0		1620.2	0		1622.9	0		1626.3	0		1607.9	0	
4	1710.5	0		1707.2	1		1710.3	1		1715.3	1		1711.4	1	
5	1794.3	1		1637.5	1		1641.5	1		1635.5	0		1639.1	0	
6	1749.2	1		1561.2	0		1580.3	0		1683.6	1		1674.9	1	
7	1675.49	1		1632.28	0		1627.46	0		1643.47	0		1641.07	1	
8	1595.94	0		1672.07	0		1683.57	1		1684.41	1		1566.14	0	
9	1647.68	1		1714.71	1		1614.07	0		1632.84	1		1647.92	0	
10	1605.88	0		1667.25	1		1661.88	0		1607.18	0		1682.38	1	
11	1644.37	0		1614.07	0		1714.71	1		1654.58	0		1635.31	0	
12	1686.09	0		1658.51	0		1667.49	1		1685.6	0		1678.34	0	
13															
14															
15															

Summary: Total Usable Shots: 120 Good Perforations below 1460 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 40 Acceptable
 Stops (Partial Penetrations): 80 Acceptable

Test Data and Regression Model

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 -39.5
 β_1 0.023
 Estimated V50: **1686 ft/s**
 Estimated V05: **1560 ft/s**

Probability of perforation at NIJ reference velocity (1430 ft/sec): **0.2% Acceptable**



NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N029 Test ID: SAF09-001697 Report Date: 07/26/10
 Manufacturer: Safariland, LLC Model Designation: BA-3A00S-XT01 NIJ Armor Type: 3A

Threat 1 - Conditioned Armor
 Ammunition: .357 SIG 125/FMJ
 Test Velocity: 1410 ± 30 ft/s Wet: No

Threat 2 - Conditioned Armor
 Ammunition: .44 Mag 240/S.IHP
 Test Velocity: 1340 ± 30 ft/s Wet: No

Shot Number	Sample 25			Sample 25		
	Front Panel		Note	Back Panel		Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1385.2	0		1355.9	0	
2	1509.0	0		1466.3	0	
3	1599.2	0		1542.9	0	
4	1670.1	0		1642.8	0	
5	1759.3	0		1772.6	0	
6	1811.2	0		1812.6	0	
7	1932.01	1		1931.68	1	
8	1874.72	0		1873.74	0	
9	1926.22	1		1878.47	1	
10	1856.73	1		1874.17	1	
11	1779.72	1		1812.2	0	
12	1721.36	0		1825.26	0	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 7
 Stops (PP): 17
 Perforations below 1440 ft/s: 0 Acceptable
Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : -54.1
 β_1 : 0.029
1855 FT/s

Shot Num	Sample 26			Sample 26		
	Front Panel		Note	Back Panel		Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1322.7	0		1316.9	0	
2	1443.7	0		1462.2	0	
3	1519.7	0		1524.8	0	
4	1583.8	0		1601.1	1	
5	1639.7	0		1535.1	0	
6	1743.9	1		1592.0	0	
7	1662.99	0		1641.18	0	
8	1726.14	1		1693.78	1	
9	1681.3	1		1633.27	0	
10	1625.67	1		1719.56	0	
11	1558.46	0		1786.1	1	
12	1628.35	0		1729.52	1	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 8
 Stops (PP): 16
 Perforations below 1370 ft/s: 0 Acceptable
Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : -43.0
 β_1 : 0.026
1468 FT/s

Overall Ballistic Limit Summary	
Perforations below Vref + 30 ft/sec:	0 <u>This requirement is for all Ballistic Limit tested samples - New and Conditioned</u> This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.
Probability of perforation at the P-BFS reference velocity	<u>This requirement is for New armors only</u>
Threat 1:	0.0%
Threat 2:	0.2%
This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.	

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.07 / Operating System version Windows (32-bit) NT 5.01

EXPLOSION PROTECTION DIVISION
 These comments are for informational purposes only and do not constitute a final report.
 For a complete report, please refer to the original document.
 Division of Explosives and Hazardous Materials
 U.S. Department of Justice

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 08/19/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101642
Test Date: 08/24/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 50 %
Clay Block No.: 7
Clay Temp.: 99 °F.
Drops (Avg.): 18.7 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special
Condition: New

Range 2

Muzzle to Scr. 1: 5.50 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.38 ft.
Midpoint to Target: 8.25 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
1RC	2.48	Wet	0	1	1	9mm	127/SXT	458.8	1248	23.28
1RC	2.48	Wet	0	2	2	9mm	127/SXT	462.6	1238	24.69
1RC	2.48	Wet	0	3	3	9mm	127/SXT	461.9	1240	23.06
1RC	2.48	Wet	30	4	4	9mm	127/SXT	456.2	1256	No Perforation
1RC	2.48	Wet	45	5	5	9mm	127/SXT	460.3	1244	No Perforation
1RC	2.48	Wet	0	6	6	9mm	127/SXT	459.9	1245	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.
Shot-to-edge distance: 2.50"

Ammunition:
Winchester 9mm 127gr. SXT (RA9TA) @1250 fps (+/-30).

Sample Tested:
Model No.: BA-3A00S-XT01
Panel Side: Front
Size: 1RC
DoM: 7/10
Serial No.: 10141404
Lot No.: 20307
Threat Level: IIIA

EXPORT CONTROL NOTICE
These commodities, technology or data are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 08/19/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101643
Test Date: 08/24/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 50 %
Clay Block No.: 7
Clay Temp.: 99 °F.
Drops (Avg.): 18.7 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special
Condition: New

Range 2

Muzzle to Scr. 1: 5.50 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.38 ft.
Midpoint to Target: 8.25 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
1RRC	2.44	Wet	0	1	1	40 S&W	165/SXT	493.5	1161	25.80
1RRC	2.44	Wet	0	2	2	40 S&W	165/SXT	494.4	1159	25.21
1RRC	2.44	Wet	0	3	3	40 S&W	165/SXT	498.9	1148	26.14
1RRC	2.44	Wet	30	4	4	40 S&W	165/SXT	505.5	1133	No Perforation
1RRC	2.44	Wet	45	5	5	40 S&W	165/SXT	510.0	1123	No Perforation
1RRC	2.44	Wet	0	6	6	40 S&W	165/SXT	501.8	1141	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101 06 Sec. 7.8.2.
**Projectiles provided by customer.
Shot-to-edge distance. 2.50"
Ammunition:
Winchester 40 S&W 165gr. SXT (RA40TA) @1140 fps (+/-30).

Sample Tested:

Model No.: BA-3A00S-XT01
Panel Side: Back
Size: 1RRC
DoM: 7/10
Serial No.: 10141406
Lot No.: 20307
Threat Level: IIIA

EXPORT CONTROL NOTICE
These commodities, technology or data are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited
BAE Systems

**UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST**

Date Received: 08/19/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101644
Test Date: 08/24/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 50 %
Clay Block No.: 7
Clay Temp.: 99 °F.
Drops (Avg.): 18.7 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special
Condition: New

Range 2

Muzzle to Scr. 1: 5.50 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.38 ft.
Midpoint to Target: 8.25 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
1RC	2.48	Wet	0	1	1	357 Sig	125/GDHP	420.5	1362	23.24
1RC	2.48	Wet	0	2	2	357 Sig	125/GDHP	417.6	1372	29.16
1RC	2.48	Wet	0	3	3	357 Sig	125/GDHP	418.5	1369	25.90
1RC	2.48	Wet	30	4	4	357 Sig	125/GDHP	423.6	1352	No Perforation
1RC	2.48	Wet	45	5	5	357 Sig	125/GDHP	418.1	1370	No Perforation
1RC	2.48	Wet	0	6	6	357 Sig	125/GDHP	423.9	1351	No Perforation
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.
Shot-to-edge distance: 2.50"
Ammunition:
Speer 357 Sig 125gr. GDHP (23918) @1375 fps (+/-30).

Sample Tested:
Model No.: BA-3A00S-XT01
Panel Side: Front
Size: 1RC
DoM: 7/10
Serial No: 10141403
Lot No: 20307
Threat Level: IIIA

EXPORT CONTROLLED DATA
These commodities, technical systems, information, or controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 08/19/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101645
Test Date: 08/24/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 50 %
Clay Block No.: 7
Clay Temp.: 99 °F.
Drops (Avg.): 18.7 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special
Condition: New

Range 2

Muzzle to Scr. 1: 5.50 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.38 ft.
Midpoint to Target: 8.25 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet/Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME	VELOCITY	Perforation BFS (mm)
								5x-5	fps	
1RRC	2.44	Wet	0	1	1	7.65x25	85/FMJ	375.1	1527	23.88
1RRC	2.44	Wet	0	2	2	7.65x25	85/FMJ	371.7	1541	23.55
1RRC	2.44	Wet	0	3	3	7.65x25	85/FMJ	379.8	1508	21.41
1RRC	2.44	Wet	30	4	4	7.65x25	85/FMJ	368.8	1553	No Perforation
1RRC	2.44	Wet	45	5	5	7.65x25	85/FMJ	380.2	1507	No Perforation
1RRC	2.44	Wet	0	6	6	7.65x25	85/FMJ	378.2	1515	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	United States Test Laboratory	316-832-1600	Phone
	7447 W. 33rd St. N. Wichita, KS 67205 U.S.A.	316-832-1602	Fax

REMARKS/NOTES:
*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.
Shot-to-edge distance: 2.50"
Ammunition:
Tokarev Romanian 85gr. FMJ @1530 fps (+/-30).

Sample Tested:
Model No.: BA-3A00S-XT01
Panel Side: Back
Size: 1RRC
DoM: 7/10
Serial No.: 10141405
Lot No.: 20307
Threat Level: IIIA

EXPORT CONTROLLED DATA
These commodities, technology or software are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 08/19/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101676
Test Date: 08/30/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 48 %
Clay Block No.: 8
Clay Temp.: 101 °F.
Drops (Avg.): 20.1 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special
Condition: New

Range 3

Muzzle to Scr. 1: 6.33 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.58 ft.
Midpoint to Target: 7.45 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
LRC	2.11	Wet	0	1	1	9mm	100 Frang	524.9	1091	12.72
LRC	2.11	Wet	0	2	2	9mm	100 Frang	534.6	1071	14.14
LRC	2.11	Wet	0	3	3	9mm	100 Frang	523.1	1095	16.55
LRC	2.11	Wet	30	4	4	9mm	100 Frang	534.6	1071	No Perforation
LRC	2.11	Wet	45	5	5	9mm	100 Frang	519.8	1102	No Perforation
LRC	2.11	Wet	0	6	6	9mm	100 Frang	529.9	1081	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	United States Test Laboratory 7447 W. 33rd St. N. Wichita, KS 67205 U.S.A.	316-832-1600 316-832-1602	Phone Fax
--	--	------------------------------	--------------

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101.06 Sec. 7 8.2.
**Projectiles provided by customer.
Shot-to-edge distance: 2.50"
Ammunition:
Federal 9mm 100gr. Frangible (BC9NT3) @ 1100 fps (+/- 30 fps).

Sample Tested:

Model No.: BA-3A00S-XT01
Panel Side: Front
Size: LRC
DoM: 7/10
Serial No.: 10141393
Lot No.: 20307
Threat Level: IIIA

EXPORT CONTROL REGULATORY
These commodities, technology, or source information controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited
BAE Systems

**UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST**

Date Received: 11/11/10
Via: Fed Ex
Returned Via: UPS

Record No.: BAE102248
Test Date: 11/12/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 47 %
Clay Block No.: 9
Clay Temp.: 100 °F.
Drops (Avg.): 19.8 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.33 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.29 ft.
Midpoint to Target: 8.16 ft.
Target to Witness: 0 ft.
Barrel Length: 4.8 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Calliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
MRRC	1.83	Wet	0	1	1	5.7x28	SS195	273.1	2097	13.89
MRRC	1.83	Wet	0	2	2	5.7x28	SS195	266.0	2153	17.81
MRRC	1.83	Wet	0	3	3	5.7x28	SS195	272.2	2104	18.57
MRRC	1.83	Wet	30	4	4	5.7x28	SS195	273.1	2097	No Perforation
MRRC	1.83	Wet	45	5	5	5.7x28	SS195	272.3	2104	No Perforation
MRRC	1.83	Wet	0	6	6	5.7x28	SS195	269.7	2124	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample. United States Test Laboratory 7447 W. 33rd St. N. Wichita, KS 67205 U.S.A. 316-832-1600 Phone 316-832-1602 Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.
Shot-to-edge distance: 2.50"

Test Round Used:
FN 5.7x28 SS195 L.F. @ Hand Gun Speed.

Sample Tested:
Manufacturer: Safariland, LLC.
Model No.: BA-3A00S-XT01
Panel Side: Back
Size: MRRC
DoM: Jul 2010
Serial No.: 10141390
Lot No.: 020307

These commodities are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

Sample Description:
No sample description per customer request.

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 11/11/10
Via: Fed Ex
Returned Via: UPS

Record No.: BAE102251
Test Date: 11/12/10
Customer: BAE Systems

Test Conditions

Temperature: 73 °F.
Humidity: 47 %
Clay Block No.: 9
Clay Temp.: 99 °F.
Drops (Avg.): 19.5 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.33 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.29 ft.
Midpoint to Target: 8.16 ft.
Target to Witness: 0 ft.
Barrel Length: 4.8 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
LRRC	2.11	Wet	0	1	1	5.7x28	SS195	269.3	2127	16.06
LRRC	2.11	Wet	0	2	2	5.7x28	SS195	266.7	2148	15.92
LRRC	2.11	Wet	0	3	3	5.7x28	SS195	271.0	2114	17.18
LRRC	2.11	Wet	30	4	4	5.7x28	SS195	277.0	2068	No Perforation
LRRC	2.11	Wet	45	5	5	5.7x28	SS195	271.6	2109	No Perforation
LRRC	2.11	Wet	0	6	6	5.7x28	SS195	276.2	2074	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
Shot location marking per NIJ 0101.06, Section 7.8.1.
Shot-to-edge distance: 2.50"

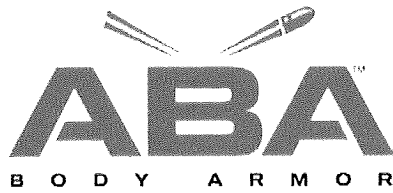
Test Round Used:
FN 5.7x28 SS195 L.F. @ Hand Gun Speed.

Sample Tested:
Manufacturer: Safariland, LLC.
Model No.: BA-3A00S-XT01
Panel Side: Back
Size: LRRC
DoM: Jul 2010
Serial No.: 10141397
Lot No.: 020307

These communications technologies and systems are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. Law is prohibited.
BAE Systems

Sample Description:
No sample description per customer request.

Zerger/Childers



A Product of the Safariland™ Company

TECHNICAL SPECIFICATION

Xtreme® Series – XT01F – Type IIIA

Test Standard	NIJ Standard: 0101.06
Model	NIJ: BA-3A00S-XT01F
Threat Type	IIIA
Configuration	Semi-Structured
Armor Material	Twaron® Micro-laminate, Gold Shield® GN-2117, Curv® Solid using High Strength Polypropylene Composite Material, Advanced Perimeter Stitching, Female Semi-structured using Cover Dart Technology™
Armor Panel Covering	2 ply, 70 Denier Nylon with Urethane Backing and Heat Sealed Edges
Areal Density [lbs/ft²]	1.24
Thickness [inches] ASTM Standard D1777-97	0.240
New V50 – .357 SIG FMJ FN 125 gr [ft/s]	1920
Conditioned V50 – .357 SIG FMJ FN 125 gr [ft/s]	1854
New V50 – .44 Mag JSP 240gr [ft/s]	1733
Conditioned V50 – .44 Mag JSP 240gr [ft/s]	1707
Backface Average – .357 SIG	29.16
Backface Average – .44 Mag	38.50
Additional Special Threats have been Tested at USTL in accordance with Modified/Abbreviated NIJ 0101.06 Standard IAW Sec 7.8.2 unless otherwise specified.	
<ul style="list-style-type: none"> Federal 9mm 100Gr. Frangible (BC9NT3) -Tested Velocity 1100fps ± 30 – No Perforations Speer 357 Sig 125Gr. GDHP (23918) -Tested Velocity 1375fps ± 30 – No Perforations Winchester 9mm 127Gr. SXT (RA9TA) - Tested Velocity 1250fps ± 30 – No Perforations Winchester 40 S&W 165 Gr. SXT (RA40TA) Tested Velocity 1140 fps ± 30 – No Perforation (continued on back) 	



A Product of the Safariland™ Company

- 7.65x25 85Gr. FMJ Romanian Tokarev - Tested Velocity 1530fps ± 30 – No Perforations



**Xtreme® Series XT01F (Type IIIA)
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the American Body Armor® Extreme Series XT01F (Type IIIA) Model (NIJ Model # BA-3A00S-XT01F) 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 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 American Body Armor® Xtreme® Series XT01F (Type IIIA) 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.
Woven Aramid-Teijin Twaron®	The use of Teijin Twaron® products made from Aramid fibers in various size yarns (dtex) that are woven together to form a fabric of material	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
Gold Shield® GN-2117 Unidirectional Aramid Fiber	Honeywell's latest addition to the Gold family of soft armor products. Gold Shield® GN-2117 combines Honeywell's patented Shield technology with Aramid fiber. Gold Shield® GN-2117 is a ballistic product consisting of two plies of unidirectional Aramid fiber, cross-plyed at 0°/90°.	Gold Shield® GN-2117 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. Gold Shield® GN-2117 was designed for increased flexibility and comfort.
Curv® Solid Technology High Strength Polypropylene	The use of a solid piece of high strength polypropylene composite material sewn to ballistic materials within the armor design.	Provides a reinforced area across the entire armor panel for increased performance during edge shots and reduced blunt trauma. In addition, provides low impact movement and rapid impact recovery of the armor panel following a ballistic event.
Advanced Stitching (Single Perimeter)	The use of a single ballistic stitch pattern along the entire perimeter of the armor panel.	Provides a reinforced area along the perimeter of the armor panel for increased performance during edge shots.

3. Armor Design (Construction) – continued:

Feature(s)	Definition(s)	Benefit(s)
Covered Dart Construction (Female Semi-Structured Design)	The technique of forming bust cups through the cutting of darts into the armor panel, then stitching an additional armor insert over the dart to provide the designated level of protection	Provides an exact imitation of the female bust area allowing for 360° degrees of protection without the exposed area caused by butted slits or darts. In addition, allows uniformity for both male and female armor model in material design for both genders.
Grip Loc™ Integrated Suspension System	The use of adhesive tabs sewn to the armor panel that adheres to the interior of the cover material. In addition, Velcro® Hook Tabs are adhered to the exterior of the cover material for added support.	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 a Brookwood 70 Denier nylon blockade with TPU lamination system that has a hydrostatic resistance (ASTM-D 751) minimum of 120 pounds per square inch (PSI) to burst and breakaway adhesion (ASTM-D 5035) minimum of 25 pounds per inch (lbs/in). Armor panel has edges heat-sealed through a son bond process with a minimum of a .25" wide seal.	Provides a durable protective cover around the armor panels that resists environmental contaminate(s).

4. Armor Design (Ballistic Performance):

The American Body Armor® Xtreme® Series XT01F (Type IIIA) has the following performance characteristics as documented through a combination of NIJ Body Armor Compliance Testing Summary Reports, Independent NIJ Laboratory Testing Reports, and internal Safariland™ Ballistic Laboratory Testing:

Feature(s)	Data
Areal Density (lbs per square foot)	1.24 (lbs ft ²)
Thickness (inches)	0.240
.357 SIG Estimated V-50 (New) (feet per second)	1920 (fps)
.357 SIG Estimated Velocity with 95 % Probability of Stop V-05 (New) (feet per second)	1837 (fps)
.357 SIG Probability of Perforation at P-BFS (New) (percentage)	0.0 (%)
.357 SIG Average Backface Signature (New) (millimeters)	29.16 (mm)
.44 Mag Estimated V50 (NEW) (feet per second)	1733 (fps)
.44 Mag Estimated Velocity of 95% Probability of Stop V-05 (NEW) (feet per second)	1551 (fps)
.44 Mag Probability of Perforation at P-BFS (NEW) (percentage)	0.7 (%)
.44 Mag Average Backface Signature (NEW) (millimeters)	38.50 (mm)
.357 SIG Estimated V-50 (conditioned) (feet per second)	1854 (fps)
.44 Mag Estimated V-50 (conditioned) (feet per second)	1707 (fps)
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Backface Signature (P-BFS)	Federal 9mm 100Gr. Frangible, Speer 357 Sig 125Gr.GDHP, Winchester 9mm 127Gr. SXT, Winchester 40 S&W 165 SXT, 7.65x25 85Gr. FMJ Romanian Tokarev

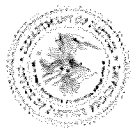
5. Availability:

The American Body Armor® Xtreme® Series XT01F (Type IIIA) 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	No
Gender Specific Shape and Grade for Male(s) Availability	No
Gender Specific Shape and Grade for Female(s) Availability	Yes

6. Support Programs:

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



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

February 25, 2011

Scott O'Brien
President
Safariland, LLC
3120 East Mission Blvd
Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06
Body Armor Model Designation: BA-3A00S-XT01F
NIJ Compliance Status Expires: February 25, 2016

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard-0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the *NIJ Body Armor Compliance Testing Program Administrative Manual* and the *Ballistic Body Armor Applicant Package*, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

Debra Stoe
Physical Scientist
National Institute of Justice

EXPORT CONTROLLED DATA
These equipment, technology, or software are controlled
for export in accordance with the U.S. Export
Administration Regulations.
Diversion contrary to U.S. law is prohibited.
PAF Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 10N043 Test ID: SAF09-001737 Report Date: 11/02/10
Manufacturer: Safariland, LLC Model Designation: BA-3A00S-XT01F NIJ Armor Type: 3A

Threat 1 - New Armor
Ammunition: .357 SIG 125/FMJ Reference Velocity: 1470 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 2 inches

Shot Number	Sample 1 Size: C-5				Sample 2 Size: C-5																				
	Front Panel		Back Panel		Front Panel		Back Panel																		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note									
1	1440.9	0	27.9		1481.0	0	28.7		1459.9	0	26.6		1477.9	0	28.0										
2	1446.5	0	35.7		1447.6	0	27.6		1487.7	0	28.9		1462.5	0	27.0										
3	1462.7	0	32.5		1469.5	0	28.6		1499.1	0	28.9		1462.0	0	25.8										
4	1443.1	0		g	1454.7	0			1480.6	0		g	1479.6	0											
5	1460.5	0		g	1491.4	0			1457.7	0		g	1486.4	0											
6	1457.9	0			1483.2	0			1459.9	0			1487.2	0											
7																									
8																									
Summary:		Perforations: 0 (Pass)				BFS Statistics: Count: 12				Average: 28.9 mm				Maximum BFS: 35.7 mm				k1: 1.568				St. Dev.: 2.71 mm			
(Pass - No BFS greater than 44 mm)																									

Shot Number	Sample 3 Size: C-1				Sample 4 Size: C-1																				
	Front Panel		Back Panel		Front Panel		Back Panel																		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note									
1	1472.6	0	29.5		1482.6	0	29.9		1468.6	0	29.4		1471.9	0	26.9										
2	1475.4	0	33.3		1488.2	0	30.1		1474.1	0	30.4		1481.5	0	28.9										
3	1485.9	0	29.1		1450.8	0	28.7		1473.5	0	29.0		1470.8	0	28.6										
4	1477.2	0		g	1474.1	0			1474.1	0		g	1479.3	0											
5	1476.1	0		g	1469.5	0			1487.1	0		g	1471.0	0											
6	1484.8	0			1494.5	0			1465.7	0			1472.1	0											
7																									
8																									
Summary:		Perforations: 0 (Pass)				BFS Statistics: Count: 12				Average: 29.5 mm				Maximum BFS: 33.3 mm				k1: 1.568				St. Dev.: 1.51 mm			
(Pass - No BFS greater than 44 mm)																									

Threat 2 - New Armor
Ammunition: .44 Mag 240/SJHP Reference Velocity: 1430 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 3 inches

Shot Number	Sample 5 Size: C-5				Sample 6 Size: C-5																				
	Front Panel		Back Panel		Front Panel		Back Panel																		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note									
1	1439.3	0	36.6		1457.7	0	37.2		1452.7	0	36.6		1441.6	0	33.8										
2	1445.5	0	38.8		1445.7	0	39.5		1426.5	0	41.0		1439.1	0	39.7										
3	1444.4	0	38.0		1429.6	0	39.2		1435.9	0	39.8		1435.5	0	39.7										
4	1441.4	0		g	1443.1	0			1459.9	0		g	1431.5	0											
5	1431.4	0		g	1434.0	0			1444.0	0		g	1452.3	0											
6	1452.7	0			1433.4	0			1437.6	0			1421.4	0											
7	1446.98	0							1427.82	0															
8																									
Summary:		Perforations: 0 (Pass)				BFS Statistics: Count: 12				Average: 38.3 mm				Maximum BFS: 41.0 mm				k1: 1.568				St. Dev.: 1.98 mm			
(Pass - No BFS greater than 44 mm)																									

Shot Number	Sample 7 Size: C-1				Sample 8 Size: C-1																				
	Front Panel		Back Panel		Front Panel		Back Panel																		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note									
1	1447.8	0	39.7		1444.6	0	36.5		1438.9	0	37.0		1447.0	0	36.1										
2	1430.5	0	43.3		1431.4	0	39.6		1443.5	0	39.4		1435.1	0	36.2										
3	1427.4	0	42.5		1419.7	0	36.9		1463.6	0	39.4		1440.0	0	38.4										
4	1434.5	0		g	1435.7	0			1446.5	0		g	1441.8	0											
5	1433.9	0		g	1446.1	0			1442.1	0		g	1439.1	0											
6	1444.2	0			1431.1	0			1442.9	0			1441.2	0											
7	1460.96	0							1438.04	0															
8																									
Summary:		Perforations: 0 (Pass)				BFS Statistics: Count: 12				Average: 38.7 mm				Maximum BFS: 43.3 mm				k1: 1.568				St. Dev.: 2.38 mm			
(Pass - No BFS greater than 44 mm)																									

EXPORT CONTROLLED
For export only - not to be re-exported without prior approval of the Bureau of Industry and Security, Department of Commerce.
Diversion or unauthorized use is prohibited.
B.A.S. Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 10N043 Test ID: SAF09-001737 Report Date: 11/02/10
Manufacturer: Safariland, LLC Model Designation: BA-3A00S-XT01F NIJ Armor Type: 3A

Threat 1 - Conditioned Armor
Ammunition: .357 SIG 125/FMJ Test Velocity: 1410 ± 30 ft/s Water Submersion: No
Shot-to-Edge: 2 inches

Shot Number	Sample 21 Size: C-5				Sample 22 Size: C-1												
	Front Panel		Back Panel		Front Panel		Back Panel										
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1436.7	0	38.3		1398.2	0	38.3		1404.8	0	38.3		1387.7	0	38.3		
2	1412.1	0	38.3		1389.9	0	38.3		1385.0	0	38.3		1394.1	0	38.3		
3	1443.9	0	38.3		1417.6	0	38.3		1420.5	0	38.3		1382.3	0	38.3		
4	1421.9	0	g		1402.4	0	g		1416.1	0	g		1411.3	0	g		
5	1441.9	0	g		1412.1	0	g		1432.3	0	g		1383.0	0	g		
6	1445.6	0			1422.5	0			1409.2	0			1419.0	0			
7																	
8																	
Summary:		Perforations: 0 (Pass)				Perforations: 0 (Pass)				Perforations: 0 (Pass)				Perforations: 0 (Pass)			

Threat 2 - Conditioned Armor
Ammunition: .44 Mag 240/SJHP Test Velocity: 1340 ± 30 ft/s Water Submersion: No
Shot-to-Edge: 3 inches

Shot Number	Sample 23 Size: C-5				Sample 24 Size: C-1												
	Front Panel		Back Panel		Front Panel		Back Panel										
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	1339.7	0	38.3		1343.3	0	38.3		1379.0	0	38.3		1315.8	0	38.3		
2	1353.4	0	38.3		1344.0	0	38.3		1353.5	0	38.3		1352.8	0	38.3		
3			b		1344.8	0	38.3		1365.5	0	38.3		1343.6	0	38.3		
4	1342.7	0	g		1374.5	0	g		1374.5	0	g		1322.2	0	g		
5	1341.1	0	g		1350.0	0	g		1384.2	0	g		1361.2	0	g		
6	1368.0	0	g		1363.6	0	g		1388.4	0	g		1330.2	0	g		
7	1366.71	0							1346.47	0							
8	1330.08	0															
Summary:		Perforations: 0 (Pass)				Perforations: 0 (Pass)				Perforations: 0 (Pass)				Perforations: 0 (Pass)			

Overall P-BFS Summary	
Perforations:	This requirement is for all P-BFS tested samples - New and Conditioned 0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.
Backface Signature:	This requirement is for New armors only
Maximum BFS:	43.3 mm This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.

EXPORT CONTROLLED DATA
These commodities, technology or data are being exported or re-exported
for export in accordance with the U.S. Export Administration Regulations.
Administration Regulation.
Diversion contrary to U.S. Law is prohibited.
BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N043 Test ID: SAF09-001737 Report Date: 11/02/10
Manufacturer: Safariland, LLC Model Designation: BA-3A00S-XT01F NIJ Armor Type: 3A

Ammunition: .357 SIG 125/FMJ Threat 1 - New Armor Reference Velocity: 1470 ± 30 ft/s Water Submersion: No

Shot Number	Sample 11			Sample 11			Sample 12			Sample 12			Sample 13		
	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note
1	1475.7	0		1474.1	0		1490.9	0		1476.3	0		1483.2	0	
2	1599.7	0		1570.3	0		1587.8	0		1604.9	0		1596.6	0	
3	1704.4	0		1697.3	0		1683.1	0		1707.4	0		1686.2	0	
4	1781.4	0		1770.8	0		1792.5	0		1784.6	0		1777.8	0	
5	1854.4	0		1873.9	0		1878.9	0		1852.6	0		1862.1	1	
6	1941.6	1		1921.5	1		1939.7	1		1963.0	1		1776.9	0	
7	1879.2	0		1859.32	0		1889.43	0		1883.53	0		1822.35	0	
8	1914.38	1		1897.07	0		1882.48	0		1910.67	0		1881.43	0	
9	1886.07	0		1937.03	1		1958.29	1		1953.62	0		1917.77	1	
10	1923.37	1		1926.48	1		1923.05	0		1986.82	1		1879.2	0	
11	1882.48	1		1883.84	0		1985.65	1		1964.6	1		1920.86	1	
12	1850.19	0		1928.36	0		1913.61	1		1921.18	1		1873.12	0	
13															
14															
15															

Shot Number	Sample 13			Sample 14			Sample 14			Sample 15			Sample 15		
	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0) Note
1	1465.6	0		1483.7	0		1472.6	0		1459.4	0		1485.7	0	
2	1597.9	0		1588.6	0		1585.0	0		1578.9	0		1574.8	0	
3	1688.0	0		1689.7	0		1677.3	0		1673.6	0		1634.9	0	
4	1791.5	0		1798.0	0		1782.4	0		1783.7	0		1762.5	0	
5	1860.0	1		1826.4	0		1880.7	0		1859.3	0		1862.8	0	
6	1776.5	0		1924.9	1		1918.5	1		1930.2	1		1932.5	1	
7	1847.03	0		1879.64	0		1847.44	0		1868.11	0		1881.43	1	
8	1883.22	1		1894.49	0		1885.02	0		1893.74	1		1804.32	0	
9	1849.47	0		1957.15	1		1934.81	1		1891.18	0		1859.32	0	
10	1892.99	0		1941.3	0		1901.47	0		1928.36	0		1894.06	0	
11	1924.93	0		1968.99	1		1923.05	0		1977.22	1		1914.05	0	
12	1968.18	0		1918.54	0		1967.37	0		1911.44	0		1947.04	1	
13															
14															
15															

Summary: Total Usable Shots: 120 Acceptable
Perforations (Complete Penetrations): 31 Acceptable
Stops (Partial Penetrations): 89 Good

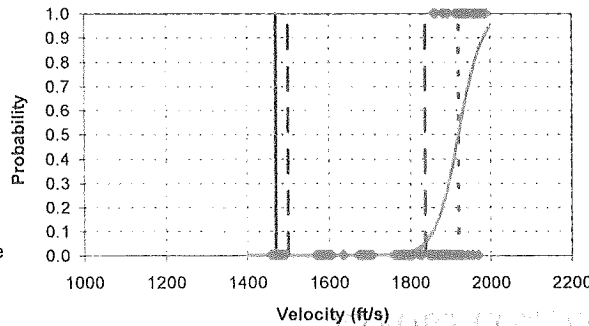
Perforations below 1500 ft/s: 0 Acceptable

Test Data and Regression Model

Regression Analysis
Regression Model: Logistic
Model Parameters: β_0 : -67.8
 β_1 : 0.035

Estimated V50: 1920 ft/s
Estimated V05: 1837 ft/s

Probability of perforation at NIJ reference velocity (1470 ft/sec): 0.0% Acceptable



Legend:
◆ Test Data
— V Ref.
--- V Ref. + 30
— Est. Response
--- Est. V50
--- Est. V05

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N043 Test ID: SAF09-001737 Report Date: 11/02/10
 Manufacturer: Safariland, LLC Model Designation: BA-3A00S-XT01F NIJ Armor Type: 3A
 Ammunition: .44 Mag 240/SJHP Threat 2 - New Armor Reference Velocity: 1430 ± 30 ft/s Water Submersion: No

Shot Number	Sample 16			Sample 16			Sample 17			Sample 17			Sample 18		
	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1443.1	0		1455.3	0	10/9/1	1436.0	0		1445.4	0		1410.3	0	
2	1530.6	0		1560.0	0		1533.7	0		1540.0	0		1535.9	0	
3	1617.6	0		1651.9	0		1636.9	0		1632.2	0		1648.1	1	
4	1720.8	0		1741.0	0		1711.0	1		1731.8	1		1585.2	0	
5	1798.3	1		1830.2	1		1613.3	0		1676.3	1		1618.3	0	
6	1740.9	1		1774.0	1		1573.0	0		1606.7	1		1659.5	1	
7	1669.05	0		1704.31	0		1736.03	0		1572	0		1633.6	0	
8	1721.1	1		1743.17	1		1771.41	0		1618.32	0		1652.44	0	
9	1676.72	1		1716.06	0		1825.43	1		1673.69	1		1718.17	1	
10	1657.5	0		1755.94	0		1784.6	1		1659.87	0		1678.3	1	
11	1695.88	0		1819.64	1		1730.58	1		1681.16	1		1615.43	0	
12	1721.72	0		1765.35	1		1679.73	1		1603.32	0		1664.73	0	
13															
14															
15															

Shot Number	Sample 18			Sample 19			Sample 19			Sample 20			Sample 20		
	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1418.4	0		1422.8	0		1431.1	0		1425.7	0		1428.6	0	
2	1538.3	0		1535.6	0		1554.5	0		1525.8	0		1557.6	0	
3	1628.0	1		1635.6	0		1643.8	0		1640.5	0		1641.6	0	
4	1607.8	0		1730.5	0		1749.5	0		1722.2	0		1727.1	0	
5	1602.7	0		1804.8	1		1821.9	0		1802.2	1		1817.3	1	
6	1686.3	0		1731.7	0		1916.9	1		1733.5	0		1747.7	0	
7	1747.15	0		1772.22	1		1850.43	1		1773.54	1		1795.95	1	
8	1793.77	1		1705.47	0		1732.24	1		1737.18	1		1746.39	0	
9	1746.25	1		1745.76	0		1653.53	0		1720.43	1		1786.48	1	
10	1686.66	0		1794.32	0		1708.42	1		1620.23	0		1761.81	1	
11	1725.05	0		1829.04	1		1666.42	1		1670.41	0		1700.21	1	
12	1781.39	0		1785.81	0		1621.33	0		1743.95	0		1641.64	0	
13															
14															
15															

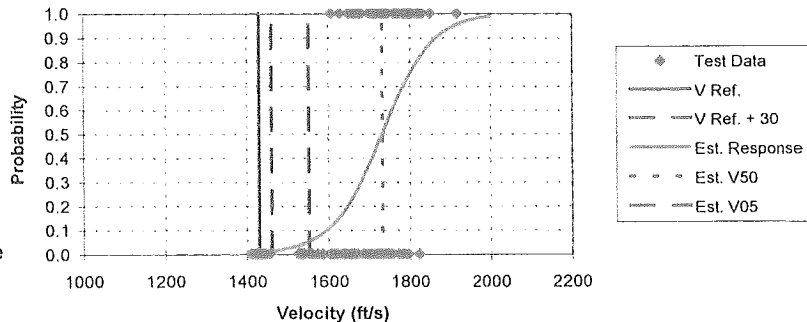
Summary: Total Usable Shots: 120 Good Perforations below 1460 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 43 Acceptable
 Stops (Partial Penetrations): 77 Acceptable

Test Data and Regression Model

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : -28.1
 β_1 : 0.016

Estimated V50: 1733 ft/s
 Estimated V05: 1551 ft/s

Probability of perforation at NIJ reference velocity (1430 ft/sec): 0.7% Acceptable



EXPORT CONTROLLED DATA

These commodities, technology, or data are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. Law is prohibited.
 BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 10N043 Test ID: SAF09-001737 Report Date: 11/02/10
 Manufacturer: Safariland, LLC Model Designation: BA-3A00S-XT01F NIJ Armor Type: 3A

Threat 1 - Conditioned Armor
 Ammunition: .357 SIG 125/FMJ
 Test Velocity: 1410 ± 30 ft/s Wet: No

Threat 2 - Conditioned Armor
 Ammunition: .44 Mag 240/SJHP
 Test Velocity: 1340 ± 30 ft/s Wet: No

Shot Number	Sample 25			Sample 25		
	Front Panel		Note	Back Panel		Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1418.1	0		1425.5	0	
2	1533.4	0		1550.9	0	
3	1627.5	0		1647.3	0	
4	1723.4	0		1736.8	0	
5	1829.3	1		1840.0	1	
6	1774.2	0		1765.0	0	
7	1828.05	0		1797.58	0	
8	1856.67	0		1858.41	1	
9	1877.97	1		1802.22	0	
10	1830.03	0		1850.01	0	
11	1904.19	1		1904.19	1	
12	1840.68	0		1851.44	0	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 6
 Stops (PP): 18
 Perforations below 1440 ft/s: 0 Acceptable

Regression Analysis
 Regression Model: Logistic
 Model Parameters: β_0 : -114.4
 β_1 : 0.062

Shot Num	Sample 26			Sample 26		
	Front Panel		Note	Back Panel		Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1314.8	0		1337.7	0	
2	1383.8	0		1429.6	0	
3	1505.4	0		1554.5	0	
4	1564.5	0		1643.8	0	
5	1696.9	1		1711.1	0	
6	1623.1	0		1784.5	0	
7	1663.86	0		1847.98	1	
8	1727.33	1		1834.13	1	
9	1699.25	1		1739.61	1	
10	1657.12	0		1681.79	0	
11	1690.77	1		1710.51	1	
12	1643.8	0		1680.95	0	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 8
 Stops (PP): 16
 Perforations below 1370 ft/s: 0 Acceptable

Regression Analysis
 Regression Model: Logistic
 Model Parameters: β_0 : -48.0
 β_1 : 0.028

Overall Ballistic Limit Summary	
Perforations below $V_{ref} + 30$ ft/sec:	0 This requirement is for all Ballistic Limit tested samples - New and Conditioned This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.
Probability of perforation at the P-BFS reference velocity	This requirement is for New armors only
Threat 1:	0.0%
Threat 2:	0.7%
This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.	

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

EXPORT CONTROL DATA
 These commodities, technology and data are controlled
 for export in accordance with the U.S. Export
 Administration Regulations.
 Diversion contrary to U.S. law is prohibited.
 BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 01/27/11
Via: Fed Ex
Returned Via: UPS

Record No.: BOC11005
Test Date: 01/27/11
Customer: BAE Systems

Test Conditions

Temperature: 75 75 °F.
Humidity: 32 32 %
Clay Block No.: 6 6
Clay Temp.: 97 97 °F.
Drops (Avg.): 20.8 20.9 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.08 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.25 ft.
Midpoint to Target: 8.12 ft.
Target to Witness: 0 ft.
Barrel Length: 10 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.87	Wet	0	1	1	.357 Sig	125 GDHP	424.3	1350	25.69
Front	2.87	Wet	0	2	2	.357 Sig	125 GDHP	419.4	1366	27.27
Front	2.87	Wet	0	3	3	.357 Sig	125 GDHP	410.1	1397	28.86
Front	2.87	Wet	30	*4	4	.357 Sig	125 GDHP	419.5	1365	No Perforation
Front	2.87	Wet	45	*5	5	.357 Sig	125 GDHP	422.0	1357	No Perforation
Front	2.87	Wet	0	6	6	.357 Sig	125 GDHP	426.0	1345	No Perforation
								-	-	
								-	-	
Back	2.68	Wet	0	7	1	.357 Sig	125 GDHP	423.5	1353	26.47
Back	2.68	Wet	0	8	2	.357 Sig	125 GDHP	421.9	1358	27.46
Back	2.68	Wet	0	9	3	.357 Sig	125 GDHP	419.8	1364	26.40
Back	2.68	Wet	45	10	4	.357 Sig	125 GDHP	425.6	1346	No Perforation
Back	2.68	Wet	30	11	5	.357 Sig	125 GDHP	424.7	1349	No Perforation
Back	2.68	Wet	0	12	6	.357 Sig	125 GDHP	421.5	1359	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
Shot location marking per NIJ 0101.06, Section 7.8.1.
Shot-to-edge distance: 2.50"
*Shot no.4 & 5 impact on seam.
**Sample tested without carrier.

Test Round Used:
Speer .357 sig 125gr GDHP (54234) @ 1375 fps.

Sample Tested:
Manufacturer: Safariland, LLC
Model No.: BA-3A00S-XT01F
Size: 2D424067C/424016C
DoM: Dec. 2010
Serial No.: 10226395/10226396
Lot No.: N/A

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

Sample Description:
No sample description per customer request.

Zerger/Wilson

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 01/27/11
Via: Fed Ex
Returned Via: UPS

Record No.: BOC11007
Test Date: 01/28/11
Customer: BAE Systems

Test Conditions

Temperature: 71 72 °F.
Humidity: 37 36 %
Clay Block No.: 8 8
Clay Temp.: 98 97 °F.
Drops (Avg.): 17.6 17.7 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.50 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.25 ft.
Midpoint to Target: 8.12 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.60	Wet	0	1	1	.40 Cal	165 SXT	504.8	1135	23.64
Front	2.60	Wet	0	2	2	.40 Cal	165 SXT	507.3	1129	21.74
Front	2.60	Wet	0	3	3	.40 Cal	165 SXT	499.6	1147	21.04
Front	2.60	Wet	30	*4	4	.40 Cal	165 SXT	506.9	1130	No Perforation
Front	2.60	Wet	45	*5	5	.40 Cal	165 SXT	501.9	1141	No Perforation
Front	2.60	Wet	0	6	6	.40 Cal	165 SXT	493.8	1160	No Perforation
								-	-	
Back	1.95	Wet	0	7	1	.40 Cal	165 SXT	501.1	1143	24.98
Back	1.95	Wet	0	8	2	.40 Cal	165 SXT	510.8	1121	25.20
Back	1.95	Wet	0	9	3	.40 Cal	165 SXT	503.0	1139	24.31
Back	1.95	Wet	45	10	4	.40 Cal	165 SXT	500.4	1145	No Perforation
Back	1.95	Wet	30	11	5	.40 Cal	165 SXT	503.1	1139	No Perforation
Back	1.95	Wet	0	12	6	.40 Cal	165 SXT	507.4	1129	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.
Shot-to-edge distance: 2.50"
*Shot no.4 & 5 impact on seam.
**Sample tested without carrier.

Test Round Used:

Win. .40 cal 165gr SXT (RA40TA) @ 1140 fps.

Sample Tested:

Manufacturer: Safariland, LLC
Model No.: BA-3A00S-XT01F
Size: D444494C/363613C
DoM: Dec. 2010
Serial No.: 10226391/10226386
Lot No.: N/A

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

Sample Description:

No sample description per customer request.

Nguyen/Zerger/Wilson

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 01/27/11
Via: Fed Ex
Returned Via: UPS

Record No.: BOC11008
Test Date: 01/28/11
Customer: BAE Systems

Test Conditions

Temperature: 72 72 °F.
Humidity: 35 34 %
Clay Block No.: 8 8
Clay Temp.: 97 96 °F.
Drops (Avg.): 17.7 17.6 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.50 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.25 ft.
Midpoint to Target: 8.12 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.24	Wet	0	1	1	7.62 x 25	85 FMJ	371.0	1544	21.43
Front	2.24	Wet	0	2	2	7.62 x 25	85 FMJ	369.2	1551	18.50
Front	2.24	Wet	0	3	3	7.62 x 25	85 FMJ	368.2	1556	21
Front	2.24	Wet	30	*4	4	7.62 x 25	85 FMJ	363.6	1575	No Perforation
Front	2.24	Wet	45	*5	5	7.62 x 25	85 FMJ	366.9	1561	No Perforation
Front	2.24	Wet	0	6	6	7.62 x 25	85 FMJ	373.5	1534	No Perforation
								-	-	
Back	1.96	Wet	0	7	1	7.62 x 25	85 FMJ	364.6	1571	21.09
Back	1.96	Wet	0	8	2	7.62 x 25	85 FMJ	365.2	1568	22.37
Back	1.96	Wet	0	9	3	7.62 x 25	85 FMJ	360.0	1591	23.89
Back	1.96	Wet	45	10	4	7.62 x 25	85 FMJ	374.8	1528	No Perforation
Back	1.96	Wet	30	11	5	7.62 x 25	85 FMJ	365.8	1566	No Perforation
Back	1.96	Wet	0	12	6	7.62 x 25	85 FMJ	364.7	1571	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.

Shot-to-edge distance: 2.50"

*Shot no.4 & 5 impact on seam.

**Sample tested without carrier.

Test Round Used:

7.62 x 25 - 85gr. Tokarev Romanian @ 1530 fps.

Sample Tested:

Manufacturer: Safariland, LLC
Model No.: BA-3A00S-XT01F
Size: B363675C/363613C
DoM: DEC 2010
Serial No.: 10226389/10226390
Lot No.: N/A

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
BAE Systems

Sample Description:

No sample description per customer request.

Nguyen/Zerger

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 01/27/11
Via: Fed Ex
Returned Via: UPS

Record No.: BOC11009
Test Date: 01/28/11
Customer: BAE Systems

Test Conditions

Temperature: 73 74 °F.
Humidity: 34 35 %
Clay Block No.: 6 6
Clay Temp.: 96 95 °F.
Drops (Avg.): 19.4 18.3 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 5.50 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.25 ft.
Midpoint to Target: 8.12 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.25	Wet	0	1	1	9mm	100 Frang	523.8	1094	15.34
Front	2.25	Wet	0	2	2	9mm	100 Frang	523.5	1094	13.38
Front	2.25	Wet	0	3	3	9mm	100 Frang	521.1	1099	14.47
Front	2.25	Wet	30	*4	4	9mm	100 Frang	514.9	1112	No Perforation
Front	2.25	Wet	45	*5	5	9mm	100 Frang	516.7	1109	No Perforation
Front	2.25	Wet	0	6	6	9mm	100 Frang	518.7	1104	No Perforation
								-	-	
								-	-	
Back	1.95	Wet	0	7	1	9mm	100 Frang	515.8	1111	14.77
Back	1.95	Wet	0	8	2	9mm	100 Frang	524.2	1093	17.62
Back	1.95	Wet	0	9	3	9mm	100 Frang	523.6	1094	15.76
Back	1.95	Wet	45	10	4	9mm	100 Frang	518.5	1105	No Perforation
Back	1.95	Wet	30	11	5	9mm	100 Frang	527.6	1086	No Perforation
Back	1.95	Wet	0	12	6	9mm	100 Frang	522.7	1096	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600
316-832-1602

Phone
Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.

Shot-to-edge distance: 2.50"

*Shot no.4 & 5 impact on seam.

**Sample tested without carrier.

Test Round Used:

Fed 9mm 100gr Frangible (BC9NT3) @ 1100 fps.

Sample Tested:

Manufacturer: Safariland, LLC
Model No.: BA-3A00S-XT01F
Size: B363675C/363613C
DoM: DEC 2010
Serial No.: 10226387/10226388
Lot No.: N/A

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

Sample Description:

No sample description per customer request.

Nguyen/Zerger

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 02/10/11
Via: FedEx
Returned Via: UPS

Record No.: BOC11015
Test Date: 02/11/11
Customer: BAE Systems

Test Conditions

Temperature: 74 75 °F.
Humidity: 35 30 %
Clay Block No.: 8 8
Clay Temp.: 101 99 °F.
Drops (Avg.): 20.4 19.9 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Screen 1: 5.38 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.25 ft.
Midpoint to Target: 8.12 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Panel Weight (lbs.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.60	Wet	0	1	1	9mm	127 SXT	448.2	1278	23.47
Front	2.60	Wet	0	2	2	9mm	127 SXT	454.6	1260	22.90
Front	2.60	Wet	0	3	3	9mm	127 SXT	455.8	1257	22.37
Front	2.60	Wet	30	4	4	9mm	127 SXT	456.2	1256	No Perforation
Front	2.60	Wet	45	5	5	9mm	127 SXT	461.1	1242	No Perforation
Front	2.60	Wet	0	6	6	9mm	127 SXT	456.4	1255	No Perforation
Back	2.06	Wet	0	1	1	9mm	127 SXT	456.7	1254	23.07
Back	2.06	Wet	0	2	2	9mm	127 SXT	456.5	1255	25.93
Back	2.06	Wet	0	3	3	9mm	127 SXT	448.3	1278	25.47
Back	2.06	Wet	45	4	4	9mm	127 SXT	453.9	1262	No Perforation
Back	2.06	Wet	30	5	5	9mm	127 SXT	464.7	1233	No Perforation
Back	2.06	Wet	0	6	6	9mm	127 SXT	463.5	1236	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
Shot location marking per NIJ 0101.06, Section 7.8.1.
Shot-to-edge distance: 2.50"
*Shot no.4 & 5 impact on seam.
**Sample tested without carrier.

Test Round Used:
Win. 9mm 127gr SXT (RA9TA) @ 1250 fps.

Sample Tested:
Manufacturer: Safariland, LLC
Model No.: BA-3A00S-XT01F
Size: D444494C/444412C
DoM: Dec. 2010
Serial No.: 10226393/10226394
Lot No.: N/A

Sample Description:
No sample description per customer request.

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

Barrett/Nguyen



Safariland, LLC
Dave Miller
3120 East Mission Blvd.
Ontario, CA 91761

February 11, 2011

Dear Mr. Miller,

Per your request United States Test Laboratory performed Ballistic Resistance Testing in accordance with modified NIJ 0101.06. The testing was performed on Model BA-3A00S-XT01F. The projectiles used were 9mm 127gr. SXT. The following table represents a summary of the test results. A copy of the ballistic test report is attached for your inspection.

The test record number included in this series of test is: **BOC11015**

USTL Report No.	Model	Shot 1 BFS	Shot 2 BFS	Shot 3 BFS	Shots 4-6 Penetration	Condition
BOC11015	BA-3A00S-XT01F	23.47	22.90	22.37	None	Wet
BOC11015	BA-3A00S-XT01F	23.07	25.93	25.47	None	Wet

The data presented is for the samples tested only; it does not guarantee the performance of other samples of the same or similar product. The test results do not imply endorsement by United States Test Laboratory.

The test samples are being shipped to you via UPS Ground. Should you have any questions, please feel free to call upon us.

Best regards,

Richard Mouser
General Manager

EXPORT CONTROL DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
BAE Systems



CARRIER DESIGN SPECIFICATION

Universal AJ Carrier

Brand	American Body Armor (ABA)
Name of Carrier	Universal AJ
Outer Shell Material	Double Cloth Nylon LiteLok [®] with Nano-Sphere Repellency
Inner Lining Material	Anti-Microbial mesh
Armor Panel Access	Exterior, Hidden Zipper (Front and Back)
Armor Suspension System	Internal Grip-Lok [™] Hook and Loop
Type of Plate Pocket	Dual, External, Top Loading, 5x8, 7x9 (Front Only)
Closure Fastening System	Removable, 4- and 6-Point universal strap system
Pockets / Pouches	Not Applicable
Retention Tails	Tails - Front and Rear
Additional Features	Not Applicable
Sizes	Custom Sizes
Colors	Black, Navy, White, Olive, Tan, Brown and Gray

7/27/2011

Rev. 7

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[™]



PROTECH[®]

TACTICAL

A Product of the Safariland[™] Company

TECHNICAL SPECIFICATION

BR01 – Type IIIA

Test Standard	NIJ Standard: 0101.06
Model	NIJ: BA-3A00S-BR01
Threat Type	IIIA
Configuration	Unstructured
Armor Material	Twaron [®] Microlaminate, Gold Shield [®] GN-2115, Horizontal and Vertical Overlapping using Geometric [®] Technology, High Impact Polypropylene Composite Curv [®] Solid Technology with Advanced Perimeter Stitching
Armor Panel Covering	2 ply; 70 Denier Textured Nylon Blockade with TPU lamination system
Areal Density [lbs/ft²]	1.12
Thickness [inches] <i>ASTM Standard D1777-97</i>	0.331
New V50 – .357 SIG FMJ FN 125 gr [ft/s]	1789
Conditioned V50 – .357 SIG FMJ FN 125 gr [ft/s]	1773
New V50 – .44 Mag JSP 240gr [ft/s]	1687
Conditioned V50 – .44 Mag JSP 240gr [ft/s]	1701
Backface Average – .357 SIG	26.50
Backface Average – .44 Mag	34.00
Additional Special Threat Types	
<i>Tested at USTL in accordance with Modified/Abbreviated NIJ 0101.06 Standard IAW Sec 7.8.2 unless otherwise specified</i>	
<ul style="list-style-type: none"> • Federal 9mm 100 CQT (BC9NT3) – Test Velocity @ 1150 fps ± 30 – No perforations • 7.62x25 85 Gr. Romanian Tokarev - Test Velocity @ 1530 fps ± 30 – No perforations & IAW Section 7.8.1 Shot to Edge distance 2.25" • Winchester .40 Cal 165 Gr. SXT (RA40TA) – Test Velocity @1140 fps ±30 – No perforations • Speer .357 Sig 125 Gr. GDHP (54234) – Test Velocity @ 1375 fps ± 30 – No Perforations & IAW Section 7.8.1 Shot to Edge distance 2.25" • Winchester 9 mm 127 Gr. SXT +P+ (RA9TA) – Test Velocity @1250 fps ± 30 – No Perforations & IAW Section 7.8.1 Shot to edge distance 2.25" 	



PROTECH[®]

TACTICAL

A Product of the Safariland[™] Company

Additional Special Threat Types – continued:
<ul style="list-style-type: none">• Federal 40 S&W Tactical Bonded 155 Gr. Tactical HP (LE40T2) – Test Velocity @ 1250 ± 30 – No Perforations
<ul style="list-style-type: none">• Fragmentation:<ul style="list-style-type: none">○ 2 Gr. RCC – V50 2767 fps○ 4 Gr. RCC – V50 2584 fps○ 16 Gr. RCC – V50 2215 fps○ 64 Gr. RCC – V50 1753 fps
<ul style="list-style-type: none">• Special Test Specification: <i>Per Customer Test Protocol</i><ul style="list-style-type: none">○ 9mm Luger 124gr. FMJ○ Tested DRY○ Conditioning – HOT – Hot chamber @150 degrees F for 15-18 hrs○ Conditioning – COLD – Cold chamber @ -20 degrees F for 15-18 hrs per○ Conditioning – WET – Submerged in room temperature fresh water for 20-25 minutes
<ul style="list-style-type: none">• Special Test Specification: <i>Per Customer Test Protocol</i><ul style="list-style-type: none">○ 9mm Luger +P+ 127gr. SXT○ Tested DRY
<ul style="list-style-type: none">• Special Test Specification: <i>Per Customer Test Protocol</i><ul style="list-style-type: none">○ .40 S&W 165gr. GDHP○ Tested DRY
<ul style="list-style-type: none">• Special Test Specification: <i>Per Customer Test Protocol</i><ul style="list-style-type: none">○ Mil STD 662F - Tested on Clay○ 2 Gr. RCC○ 4 Gr. RCC○ 16 Gr. RCC○ 64 Gr. RCC



**BR01 (Type IIIA)
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the PROTECH® BR01 (Type IIIA) Model (NIJ Model # BA-3A00S-BR01) 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 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 PROTECH® BR01 (Type IIIA) 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
Woven Aramid: Teijin Twaron®	The use of Teijin Twaron® products made from Aramid fibers in various size yarns (dtex) that are woven together to form a fabric of material	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.
Uni-Directional Aramid Shield: Honeywell Gold Shield®	The use of products made from Aramid fibers cross-piled at a 0° / 90° orientation and impregnated with a resin matrix to form a fabric of material.	Utilizes a fiber that is 5 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.
Geometric® Technology (Horizontal Overlapping "I-Cut")	The use of geometric shapes that are cut separately, partially overlapped by 3" and sewn back together to form the desired armor panel shape.	The Geometric Technology provides many benefits. The Horizontal Overlapping or "I-Cut" Technology provides two separate zones to isolate the affects following a ballistic event and improves multi-hit capability: (1) Additional reinforcement along the abdominal, sternum and spinal cord regions (2) decreases blunt trauma force and increases ballistic resistance (3) Improves multi-hit capacity following a ballistic event.

3. Armor Design (Construction) – continued:

Feature(s)	Definition(s)	Benefit(s)
Geometric[®] Technology (Vertical Overlapping – “L-Cut”)	The use of geometric shapes that are cut separately, then partially overlapped by 3” and sewn back together to form the desired armor panel shape.	The Geometric Technology provides many benefits. The Horizontal Overlapping or “L-Cut” Technology provides two separate zones to isolate the effects following a ballistic event and improves multi-hit capability: (1) Additional reinforcement along the sternum and spinal cord regions (2) decreases blunt trauma force and increases ballistic resistance (3) improves multi-hit capacity following a ballistic event.
Advanced Stitching (Single Perimeter):	The use of a single ballistic stitch pattern along the entire perimeter of the armor panel.	Provides a reinforced area along the perimeter of the armor panel for increased performance during edge shots.
Curv[®] Solid Technology – (High Strength Polypropylene)	The use of a solid piece of high strength polypropylene composite material sewn to ballistic materials within the armor design.	Provides a reinforced area across the entire armor panel for increased performance during edge shots and reduced blunt trauma. In addition, provides low impact movement and rapid impact recovery of the armor panel following a ballistic event.
Grip Loc[™] Integrated Suspension System	The use of adhesive tabs sewn to the armor panel that adheres to the interior of the cover material. In addition, Velcro [®] Hook Tabs are adhered to the exterior of the cover material for added support.	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 a Brookwood 70 Denier nylon blockade with TPU lamination system that has a hydrostatic resistance (ASTM-D 751) minimum of 120 pounds per square inch (PSI) to burst and breakaway adhesion (ASTM-D 5035) minimum of 25 pounds per inch (lbs/in). Armor panel has edges heat-sealed through a son bond process with a minimum of a .25” wide seal.	Provides a durable protective cover around the armor panels that resists environmental contamination(s).

4. Armor Design (Ballistic Performance):

The PROTECH[®] BR01 (Type IIIA) has the following performance characteristics as documented through a combination of NIJ 0101.06 (ballistic resistance of personal body armor) compliance testing summary reports, Independent NIJ laboratory testing reports, and internal Safariland[™] ballistic laboratory testing reports:

Feature(s)	Data
Areal Density (lbs. per square foot)	1.12 (lbs ft ²)
Thickness (inches)	0.331 (in)
.357 SIG estimated V-50 (New) (feet per second)	1789 (fps)
.357 SIG estimated velocity with 95 % probability of stop V-05 (New) (feet per second)	1677 (fps)
.357 SIG probability of perforation at P-BFS (New) (percentage)	0.00 (%)
.357 SIG average back face signature (New) (millimeters)	26.50 (mm)
.44 Magnum estimated V50 (New) (feet per second)	1687 (fps)
.44 Magnum estimated velocity of 95% probability of stop V-05 (New) (feet per second)	1532 (fps)
.44 Magnum probability of perforation at P-BFS (New) (percentage)	0.7 (%)
.44 Magnum average back face signature (New) (millimeters)	34.00 (mm)
.357 SIG estimated V-50 (conditioned) (feet per second)	1773 (fps)
.44 Magnum estimated V-50 (conditioned) (feet per second)	1701 (fps)

4. Armor Design (Ballistic Performance) – continued:

Feature(s)	Data
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Backface Signature (P-BFS)	<ul style="list-style-type: none"> • Federal 9mm 100 CQT (BC9NT3), • 7.62x25 85Gr. Romanian Tokarev, Winchester .40 Cal 165Gr. SXT (RA40TA), • Speer .357 Sig 125 Gr. GDHP (54234), • Winchester 9 mm 127Gr. SXT +P+(RA9TA), • Federal 40 S&W Tactical Bonded 155 Gr. Tactical HP (LE40T2), • Fragmentation: <ul style="list-style-type: none"> ○ 2 Gr.RCC v50 2767 fps ○ 4 Gr.RCC v50 2584 fps ○ 16 Gr.RCC v50 2215 fps ○ 64 Gr.RCC v50 1753 fps Special Test Specification: <ul style="list-style-type: none"> • 9mm Luger 124gr. FMJ (Tested Dry/Hot/Cold/Wet) • 9mm Luger +P+ 127gr. SXT (Tested Dry) • .40 S&W 165gr. GDHP (Tested Dry) • Fragmentation: (Tested on Clay) <ul style="list-style-type: none"> ○ 2 Gr.RCC ○ 4 Gr.RCC ○ 16 Gr.RCC ○ 64 Gr.RCC

5. Availability:

The PROTECH® BR01 (Type IIIA) 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
Gender Specific Shape and Grade for Female(s) Availability	Yes

6. Support Programs:

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



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

May 29, 2009

Scott O'Brien
President
Safariland, LLC
3120 East Mission Blvd
Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06
Body Armor Model Designation: BA-3A00S-BR01
NIJ Compliance Status Expires: May 29, 2014

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard-0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the *NIJ Body Armor Compliance Testing Program Administrative Manual* and the *Ballistic Body Armor Applicant Package*, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

John Morgan
Deputy Director for Science and Technology
National Institute of Justice

EXPORT CONTROLLED DATA

These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.

Diversion contrary to U.S. law is prohibited.
BAE Systems



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

April 14, 2010

Scott O'Brien
President
Safariland, LLC
3120 East Mission Blvd
Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06
Body Armor Model Designation: BA-3A00Z-BR01
NIJ Compliance Status Expires: April 14, 2015

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard-0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the *NIJ Body Armor Compliance Testing Program Administrative Manual* and the *Ballistic Body Armor Applicant Package*, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

Debra Stoe
Physical Scientist
National Institute of Justice

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 09N032 Test ID: SAF09-000551 Report Date: 10/09/09
Manufacturer: Safariland, LLC. Model Designation: BA-3A00Z-BR01 NIJ Armor Type: 3A

Threat 1 - New Armor
Ammunition: .357 SIG 125/FMJ Reference Velocity: 1470 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 2 inches

Shot Number	Sample 1 Size: C-5				Sample 2 Size: C-5											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1489.3	0	28.0		1485.1	0	27.0		1478.3	0	26.0		1499.1	0	26.0	
2	1487.3	0	31.0		1487.3	0	23.0		1485.1	0	30.0		1481.9	0	23.0	
3	1512.9	0	28.0		1467.1	0	28.0		1486.4	0	25.0		1495.4	0	27.0	
4	1490.0	0		g	1454.5	0			1480.3	0		g	1503.2	0		
5	1497.7	0		g	1493.8	0			1498.4	0		g	1485.2	0		
6	1492.5	0			1489.1	0			1476.6	0			1483.0	0		
7																
8																
Summary:																
Perforations: 0 (Pass) BFS Statistics: Count: 12 Average: 26.8 mm																
Maximum BFS: 31.0 mm k1: 1.568 St. Dev.: 2.44 mm																
(Pass - No BFS greater than 44 mm)																

Shot Number	Sample 3 Size: C-2				Sample 4 Size: C-2											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1482.1	0	28.0		1496.4	0	28.0		1483.0	0	27.0		1487.3	0	28.0	
2	1485.9	0	28.0		1496.1	0	24.0		1479.4	0	27.0		1477.2	0	24.0	
3	1470.0	0	23.0		1481.3	0	27.0		1476.1	0	28.0		1508.1	0	28.0	
4	1492.7	0		g	1501.6	0			1486.4	0		g	1480.3	0		
5	1480.5	0		g	1491.8	0			1485.1	0			1468.0	0		
6	1470.3	0			1503.2	0			1483.5	0		g	1492.7	0		
7																
8																
Summary:																
Perforations: 0 (Pass) BFS Statistics: Count: 12 Average: 26.7 mm																
Maximum BFS: 28.0 mm k1: 1.568 St. Dev.: 1.87 mm																
(Pass - No BFS greater than 44 mm)																

Threat 2 - New Armor
Ammunition: .44 Mag 240/SJHP Reference Velocity: 1430 ± 30 ft/s Water Submersion: Yes
Shot-to-Edge: 3 inches

Shot Number	Sample 5 Size: C-5				Sample 6 Size: C-5											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1438.1	0	38.0		1423.1	0	37.0		1429.5	0	35.0		1414.7	0	36.0	
2	1426.2	0	34.0		1440.4	0	36.0		1453.2	0	37.0		1434.5	0	31.0	
3	1445.1	0	36.0		1425.4	0	35.0		1439.7	0	33.0		1421.2	0	36.0	
4	1426.4	0		g	1436.4	0			1420.6	0		g	1423.3	0		
5	1453.3	0		g	1434.3	0			1423.7	0		g	1434.5	0		
6	1441.8	0			1425.1	0			1427.2	0			1437.0	0		
7																
8																
Summary:																
Perforations: 0 (Pass) BFS Statistics: Count: 12 Average: 35.3 mm																
Maximum BFS: 38.0 mm k1: 1.568 St. Dev.: 1.92 mm																
(Pass - No BFS greater than 44 mm)																

Shot Number	Sample 7 Size: C-2				Sample 8 Size: C-2											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1445.7	0	33.0		1427.0	0	33.0		1454.1	0	37.0		1431.8	0	32.0	
2	1403.0	0	33.0		1428.8	0	35.0		1442.4	0	35.0		1422.9	0	31.0	
3	1433.6	0	36.0		1444.0	0	32.0		1439.6	0	29.0		1443.2	0	32.0	
4	1437.0	0		g	1436.9	0			1436.2	0		g	1434.5	0		
5	1419.4	0		g	1454.1	0			1432.2	0			1430.1	0		
6	1458.6	0			1429.1	0			1455.5	0		g	1437.8	0		
7																
8																
Summary:																
Perforations: 0 (Pass) BFS Statistics: Count: 12 Average: 33.2 mm																
Maximum BFS: 37.0 mm k1: 1.568 St. Dev.: 2.25 mm																
(Pass - No BFS greater than 44 mm)																

For export use only
Admin. & Serv. Dept.
Diversion contrary to law is prohibited.
BAL Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report Number: 09N032 Test ID: SAF09-000551 Report Date: 10/09/09
Manufacturer: Safariland, LLC. Model Designation: BA-3A00Z-BR01 NIJ Armor Type: 3A

Threat 1 - Conditioned Armor
Ammunition: .357 SIG 125/FMJ Test Velocity: 1410 ± 30 ft/s Water Submersion: No
Shot-to-Edge: 2 inches

Shot Number	Sample 21 Size: C-5				Sample 22 Size: C-2											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1412.2	0	38.0		1405.5	0	38.0		1397.3	0	38.0		1412.4	0	38.0	
2	1399.4	0	38.0		1407.5	0	38.0		1398.9	0	38.0		1410.0	0	38.0	
3	1403.5	0	38.0		1413.4	0	38.0		1404.7	0	38.0		1419.8	0	38.0	
4	1400.3	0	38.0	g	1387.1	0	38.0		1388.8	0	38.0	g	1388.4	0	38.0	
5	1398.5	0	38.0	g	1421.4	0	38.0		1421.4	0	38.0	g	1401.6	0	38.0	
6	1386.5	0	38.0		1390.6	0	38.0		1392.6	0	38.0		1403.1	0	38.0	
7																
8																
Summary: Perforations: 0 (Pass) Maximum BFS: 38.0 mm (by 3A00Z-BR01)																

Threat 2 - Conditioned Armor
Ammunition: .44 Mag 240/SJHP Test Velocity: 1340 ± 30 ft/s Water Submersion: No
Shot-to-Edge: 3 inches

Shot Number	Sample 23 Size: C-5				Sample 24 Size: C-2											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1331.0	0	38.0		1355.1	0	38.0		1342.6	0	38.0		1325.8	0	38.0	
2	1336.3	0	38.0		1340.5	0	38.0		1342.1	0	38.0		1341.5	0	38.0	
3	1327.8	0	38.0		1321.2	0	38.0		1372.7	0	38.0		1361.1	0	38.0	
4	1318.6	0	38.0	g	1354.2	0	38.0		1366.0	0	38.0	g	1360.2	0	38.0	
5	1312.7	0	38.0	g	1348.1	0	38.0		1361.1	0	38.0	g	1340.1	0	38.0	
6	1322.7	0	38.0		1347.2	0	38.0		1343.1	0	38.0		1337.6	0	38.0	
7																
8																
Summary: Perforations: 0 (Pass) Maximum BFS: 38.0 mm (by 3A00Z-BR01)																

Overall P-BFS Summary	
Perforations:	This requirement is for all P-BFS tested samples - New and Conditioned 0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.
Backface Signature:	This requirement is for New armors only
Maximum BFS:	38.0 mm This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

These components are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited. BAE Systems

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 09N032 Test ID: SAF09-000551 Report Date: 10/09/09
 Manufacturer: Safariland, LLC. Model Designation: BA-3A00Z-BR01 NIJ Armor Type: 3A
 Threat 1 - New Armor
 Ammunition: .357 SIG 125/FMJ Reference Velocity: 1470 ± 30 ft/s Water Submersion: No

Shot Number	Sample 11			Sample 11			Sample 12			Sample 12			Sample 13		
	Front	Panel		Back	Panel		Front	Panel		Back	Panel		Front	Panel	
	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note
	(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)	
1	1422.8	0	Left	1425.1	0		1495.4	0	Left	1428.6	0		1471.7	0	Left
2	1511.5	0	Left	1602.3	0		1584.9	0	Left	1642.8	0		1624.9	0	Left
3	1628.3	0	Left	1679.9	0		1727.4	0	Left	1680.5	0		1709.1	0	Left
4	1776.8	0	Left	1757.5	1		1859.6	1	Left	1806.9	1		1798.9	1	Left
5	1844.2	1	Left	1643.3	0		1729.6	0	Left	1741.9	1		1717.2	0	Left
6	1716.8	0	Left	1757.8	0		1832.8	0	Left	1690.3	0		1774.6	0	Left
7	1775.9	1	Right	1734.5	0		1798.94	0	Right	1715.69	0		1814.21	0	Right
8	1728.06	0	Right	1801.94	0		1845.96	0	Right	1752.7	0		1817.95	1	Right
9	1795.95	0	Right	1810.88	1		1912.46	1	Right	1807.57	1		1799.62	0	Right
10	1841.09	0	Right	1736.28	0		1876.31	1	Right	1770.74	1		1836.96	1	Right
11	1879.88	0	Right	1776.18	0		1834.55	0	Right	1739.34	0		1827.35	0	Right
12	1931.61	0	Right	1845.24	0		1812.54	1	Right	1798.66	1		1886.01	1	Right
13															
14															
15															

Shot Number	Sample 13			Sample 14			Sample 14			Sample 15			Sample 15		
	Back	Panel		Front	Panel		Back	Panel		Front	Panel		Back	Panel	
	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note
	(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)	
1	1445.3	0		1438.3	0	Left	1442.7	0		1455.1	0	Left	1519.5	0	
2	1453.1	0		1582.9	0	Left	1537.8	0		1620.6	0	Left	1609.9	0	
3	1617.9	0		1667.3	0	Left	1675.8	0		1695.0	0	Left	1705.0	0	
4	1610.8	0		1718.9	0	Left	1767.8	0		1744.3	0	Left	1773.0	1	
5	1757.1	0		1800.3	0	Left	1892.2	1		1876.6	1	Left	1748.3	1	
6	1798.0	0		1902.8	0	Left	1816.6	0		1748.0	0	Left	1592.2	0	
7	1887.81	1		1938.54	1	Right	1857.51	0		1785.81	1	Right	1644.7	0	
8	1805.92	1		1885.27	1	Right	1902.04	1		1742.15	0	Right	1717.18	0	
9	1726.81	0		1826.07	0	Right	1854.32	1		1800.58	0	Right	1792.69	1	
10	1761.54	0		1865.98	1	Right	1799.62	1		1865.98	1	Right	1761.81	0	
11	1841.8	0		1822.98	1	Right	1780.04	0		1815.3	1	Right	1744.32	0	
12	1865.25	1		1785.15	0	Right	1826.76	1		1774.86	1	Right	1808.54	1	
13															
14															
15															

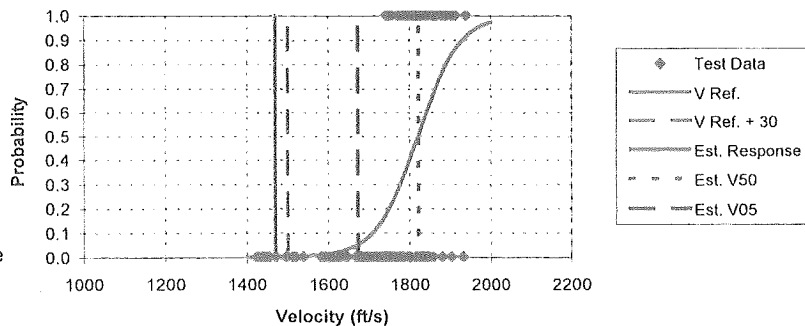
Summary: Total Usable Shots: 120 Acceptable Perforations below 1500 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 38 Acceptable
 Stops (Partial Penetrations): 82 Good

Test Data and Regression Model

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : -36.1
 β_1 : 0.020

Estimated V50: **1820 ft/s**
 Estimated V05: **1671 ft/s**

Probability of perforation at NIJ reference velocity (1470 ft/sec): **0.1% Acceptable**



EXPORT CONTROL DATA
 These commodities and technologies are controlled
 for export in accordance with the U.S. Export
 Administration Regulations.
 Diversion contrary to U.S. law is prohibited.
 BAF Systems

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 09N032 Test ID: SAF09-000551 Report Date: 10/09/09
 Manufacturer: Safariland, LLC. Model Designation: BA-3A00Z-BR01 NIJ Armor Type: 3A
 Ammunition: .44 Mag 240/SJHP Threat 2 - New Armor Reference Velocity: 1430 ± 30 ft/s Water Submersion: No

Shot Number	Sample 16			Sample 16			Sample 17			Sample 17			Sample 18		
	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1458.8	0	Left	1445.3	0		1430.5	0	Left	1461.0	0		1423.2	0	Left
2	1497.5	0	Left	1512.1	0		1517.6	0	Left	1547.7	0		1542.6	0	Left
3	1582.1	0	Left	1607.5	0		1617.9	0	Left	1629.9	0		1645.8	1	Left
4	1628.3	0	Left	1668.3	0		1694.7	0	Left	1730.6	1		1561.1	0	Left
5	1710.4	1	Left	1741.1	0		1756.9	1	Left	1657.2	0		1587.3	0	Left
6	1643.9	0	Left	1806.6	1		1683.0	1	Left	1684.5	0		1637.6	0	Left
7	1681.89	1	Right	1743.1	1		1593.99	1	Right	1722.24	1		1688.78	1	Right
8	1639.99	0	Right	1677.01	1		1514.82	0	Right	1680.75	1		1623.77	0	Right
9	1673.88	0	Right	1596.52	0		1595.81	0	Right	1638.87	1		1673.04	1	Right
10	1707.05	1	Right	1658.61	1		1602.24	0	Right	1587.76	0		1638.07	1	Right
11	1673.53	0	Right	1600.18	0		1640.23	0	Right	1642.48	0		1584.38	0	Right
12	1722.56	0	Right	1653.01	1		1678.39	0	Right	1693.47	1		1630.24	0	Right
13															
14															
15															

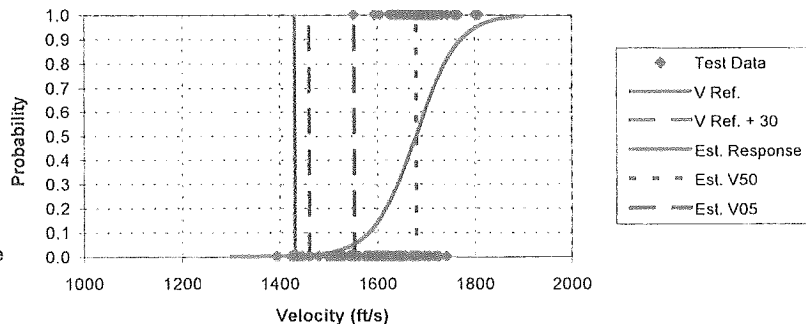
Shot Number	Sample 18			Sample 19			Sample 19			Sample 20			Sample 20		
	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1435.1	0		1436.6	0	Left	1426.3	0		1431.6	0	Left	1393.4	0	
2	1540.7	0		1550.3	1	Left	1528.9	0		1540.7	0	Left	1504.5	0	
3	1646.8	0		1478.8	0	Left	1605.4	0		1625.1	1	Left	1592.2	0	
4	1704.9	1		1513.0	0	Left	1705.6	0		1527.9	0	Left	1669.6	0	
5	1640.6	0		1576.6	0	Left	1801.5	1		1573.8	0	Left	1765.7	1	
6	1714.8	1		1611.2	0	Left	1716.3	0		1621.3	0	Left	1698.7	1	
7	1619.73	0		1661.93	1	Right	1759.65	1		1666.72	1	Right	1631.07	1	
8	1694.07	1		1612.3	0	Right	1720.74	1		1629.87	1	Right	1556.14	0	
9	1653.01	1		1654.63	0	Right	1677.21	0		1522.8	0	Right	1605.43	1	
10	1602.46	0		1709.09	1	Right	1725.35	0		1579.83	0	Right	1555.85	0	
11	1636.76	0		1658.03	0	Right	1763.17	1		1604.08	0	Right	1595.81	0	
12	1679.22	0		1703.49	0	Right	1732.29	1		1657.46	0	Right	1649.15	0	
13															
14															
15															

Summary: Total Usable Shots: 120 Good Perforations below 1460 ft/s: 0 Acceptable
 Perforations (Complete Penetrations): 39 Acceptable
 Stops (Partial Penetrations): 81 Acceptable

Test Data and Regression Model

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : -39.0
 β_1 : 0.023
 Estimated V50: **1678 ft/s**
 Estimated V05: **1551 ft/s**

Probability of perforation at NIJ reference velocity (1470 ft/sec): **0.3% Acceptable**



These communications are controlled
 for export in accordance with U.S. Export
 Administration Regulations.
 Diversion contrary to U.S. law is prohibited.
 BAE Systems

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 09N032 Test ID: SAF09-000551 Report Date: 10/09/09
 Manufacturer: Safariland, LLC. Model Designation: BA-3A00Z-BR01 NIJ Armor Type: 3A

Threat 1 - Conditioned Armor
 Ammunition: .357 SIG 125/FMJ
 Test Velocity: 1410 ± 30 ft/s Wet: No

Threat 2 - Conditioned Armor
 Ammunition: .44 Mag 240/SJHP
 Test Velocity: 1340 ± 30 ft/s Wet: No

Shot Number	Sample 25			Sample 25		
	Front Panel		Note	Back Panel		Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1390.6	0	Left	1388.4	0	
2	1472.8	0	Left	1488.6	0	
3	1607.0	0	Left	1608.6	0	
4	1731.7	0	Left	1726.8	0	
5	1796.9	1	Left	1841.1	1	
6	1710.9	0	Left	1754.9	0	
7	1780.04	1	Right	1818.64	1	
8	1754.63	0	Right	1757.11	1	
9	1770.74	0	Right	1689.68	0	
10	1849.41	0	Right	1745.86	0	
11	1888.87	1	Right	1817.26	0	
12	1799.33	0	Right	1874.53	0	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 6
 Stops (PP): 18
 Perforations below 1440 ft/s: 0 Acceptable

Regression Analysis
 Regression Model: Logistic
 Model Parameters: β_0 : -32.1
 β_1 : 0.018

Shot Num	Sample 26			Sample 26		
	Front Panel		Note	Back Panel		Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1377.7	0	Left	1335.7	0	
2	1489.5	0	Left	1458.6	0	
3	1598.2	1	Left	1547.4	0	
4	1514.8	0	Left	1663.9	1	
5	1566.0	0	Left	1577.2	1	
6	1589.1	0	Left	1505.3	0	
7	1649.15	1	Right	1540.99	0	
8	1605.38	1	Right	1602.6	0	
9	1564.77	0	Right	1653.29	1	
10	1609.08	0	Right	1612.84	1	
11	1665.89	0	Right	1560.76	0	
12	1698.14	1	Right	1618.63	0	
13						
14						
15						

Summary:
 Total Usable Shots: 24 Acceptable
 Perforations (CP): 8
 Stops (PP): 16
 Perforations below 1370 ft/s: 0 Acceptable

Regression Analysis
 Regression Model: Logistic
 Model Parameters: β_0 : -53.0
 β_1 : 0.033

Overall Ballistic Limit Summary	
Perforations below $V_{ref} + 30$ ft/sec:	0 This requirement is for all Ballistic Limit tested samples - New and Conditioned This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.
Probability of perforation at the P-BFS reference velocity	This requirement is for New armors only
Threat 1:	0.1%
Threat 2:	0.3%
This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.	

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

EXPORT CONTROL NOTICE
 These commodities, technology and data are controlled
 for export under the Export Administration Regulations.
 Diversion contrary to U.S. Law is prohibited.
 BAE Systems

**Backface Signature Worksheet
New Armor**

Date: 9/15/09

Record #: 09N032

Test ID: SAF09-000551

Model: BA-3A00Z-BR01

Level: IIIA

EXPORT CONTROLLED DATA

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

	#1	#2	#3
Panel 1	28	31	28
Panel 2	27	23	28
Panel 3	26	30	25
Panel 4	26	23	27
Panel 5	28	28	23
Panel 6	28	24	27
Panel 7	27	27	28
Panel 8	28	24	28
Panel 9	38	34	36
Panel 10	37	36	35
Panel 11	35	37	33
Panel 12	36	31	36
Panel 13	33	33	36
Panel 14	33	35	32
Panel 15	37	35	29
Panel 16	32	31	32

BFS Checked By: 12

Backface Signature Worksheet
Conditioned Armor

Date: 10/2/09

Record #: 09N032

Test ID: SAF09-000551

Model: BA-3A00Z-BR01

Level: IIIA

	#1	#2	#3
Panel 41	28	22	32
Panel 42	24	32	31
Panel 43	29	26	33
Panel 44	30	26	28
Panel 45	37	30	40
Panel 46	40	32	39
Panel 47	38	36	40
Panel 48	38	34	36

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

BFS Checked By: CC

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 05/17/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE10883
Test Date: 05/24/10
Customer: Safariland, LLC

Test Conditions

Temperature: 73 °F.
Humidity: 53 %
Clay Block No.: 9
Clay Temp.: 97 °F.
Drops (Avg.): 18.8 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: N/A

Range 2

Muzzle to Scr. 1: 5.66 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.66 ft.
Midpoint to Target: 7.53 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Back	2.74	Wet	0	1	1	357 Sig	125 GDHP	420.3	1363	24
Back	2.74	Wet	0	2	2	357 Sig	125 GDHP	417.7	1371	25
Back	2.74	Wet	0	3	3	357 Sig	125 GDHP	414.5	1382	27
Back	2.74	Wet	30	4	4	357 Sig	125 GDHP	410.1	1397	No Perforation
Back	2.74	Wet	45	5	5	357 Sig	125 GDHP	414.0	1384	No Perforation
Back	2.74	Wet	0	6	6	357 Sig	125 GDHP	417.3	1373	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:
Speer 357 Sig 125gr. GDHP (54234) @1375 fps (+/-30).

Sample Tested:
Model No.: BA-3A00Z-BR01
Size: LRRC
DoM: APR 2010
Serial No.: 10056637
Lot No.: 017273

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

Lutz/Nold/Zerger

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 05/17/10
 Via: Fed Ex
 Returned Via: UPS

Record No: BAE10884
 Test Date: 05/25/10
 Customer: Safariland, LLC

Test Conditions

Temperature: 72 °F.
 Humidity: 47 %
 Clay Block No.: 9
 Clay Temp.: 98 °F.
 Drops (Avg.): 20 mm
 Test Spec.: Modified/Abbreviated NIJ 0101.06
 Threat Level: N/A

Range 2

Muzzle to Scr. 1: 6.21 ft.
 Screen 1 - 2: 5.73 ft.
 Screen 2 - Target: 4.66 ft.
 Midpoint to Target: 7.53 ft.
 Target to Witness: 0 ft.
 Barrel Length: 4 in.
 Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Callber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Back	2.73	Wet	0	1	1	9mm	127 SXT	453.2	1264	23
Back	2.73	Wet	0	2	2	9mm	127 SXT	448.2	1278	24
Back	2.73	Wet	0	3	3	9mm	127 SXT	452.3	1266	23
Back	2.73	Wet	30	4	4	9mm	127 SXT	461.3	1242	No Perforation
Back	2.73	Wet	45	5	5	9mm	127 SXT	453.0	1264	No Perforation
Back	2.73	Wet	0	6	6	9mm	127 SXT	449.7	1274	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	United States Test Laboratory	316-832-1600	Phone
	7447 W. 33rd St. N. Wichita, KS 67205 U.S.A.	316-832-1602	Fax

REMARKS/NOTES:
 *Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
 **Projectiles provided by customer.

Ammunition:
 Winchester 9mm 127gr. SXT +P+ (RA9TA) @1250 fps (+/-30).

Sample Tested:
 Model No.: BA-3A00Z-BR01
 Size: LRRC
 DoM: APR 2010
 Serial No.: 10056634
 Lot No.: 017273

EXPORT CONTROLLED DATA
 These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation.
 Diversion contrary to U.S. law is prohibited.
 BAE Systems

Crawford/Nold

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 05/17/10
 Via: Fed Ex
 Returned Via: UPS

Record No: BAE10885
 Test Date: 06/03/10
 Customer: Safariland, LLC

Test Conditions

Temperature: 75 °F.
 Humidity: 41 %
 Clay Block No.: 6
 Clay Temp.: 102 °F.
 Drops (Avg.): 20 mm
 Test Spec.: Modified/Abbreviated NIJ 0101.06
 Threat Level: N/A

Range 2

Muzzle to Scr. 1: 6.21 ft.
 Screen 1 - 2: 5.73 ft.
 Screen 2 - Target: 4.67 ft.
 Midpoint to Target: 7.54 ft.
 Target to Witness: 0 ft.
 Barrel Length: 4 in.
 Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	5.39	Wet	0	1	RF	.40 Cal.	165 SXT	498.3	1150	26
Front	5.39	Wet	0	2	RF	.40 Cal.	165 SXT	504.9	1134	29
Front	5.39	Wet	0	3	LF	.40 Cal.	165 SXT	499.4	1147	27
Front	5.39	Wet	30	4	Seam	.40 Cal.	165 SXT	507.7	1128	No Perforation
Front	5.39	Wet	45	5	Seam	.40 Cal.	165 SXT	504.4	1136	No Perforation
Front	5.39	Wet	0	6	RF	.40 Cal.	165 SXT	497.7	1151	No Perforation
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	United States Test Laboratory 7447 W. 33rd St. N. Wichita, KS 67205 U.S.A.	316-832-1600 316-832-1602	Phone Fax
--	--	------------------------------	--------------

REMARKS/NOTES:
 *Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
 **Projectiles provided by customer.

Shot Location:
 RF: Right Front
 LF: Left Front

Ammunition:
 Winchester 40 Cal. 165gr. SXT (RA40TA) @1140 fps (+/-30).

Sample Tested:
 Model No.: BA-3A00Z-BR01
 Size: LRC
 DoM: APR 2010
 Panel Side:

Left Front	Right Front
10056630	10056631
2.38 lbs.	3.01 lbs.

 Serial No.:
 Weight:
 Lot No.: 017273

EXPORT CONTROLLED DATA
 These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
 BAE Systems

Crawford/Nold

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 05/17/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE10886
Test Date: 06/03/10
Customer: Safariland, LLC

Test Conditions

Temperature: 75 °F.
Humidity: 45 %
Clay Block No.: 6
Clay Temp.: 103 °F.
Drops (Avg.): 20.8 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: N/A

Range 2

Muzzle to Scr. 1: 6.21 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.67 ft.
Midpoint to Target: 7.54 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Back	2.72	Wet	0	1	1	7.62x25	85 FMJ	378.7	1513	24
Back	2.72	Wet	0	2	2	7.62x25	85 FMJ	373.2	1535	29
Back	2.72	Wet	0	3	3	7.62x25	85 FMJ	377.6	1517	24
Back	2.72	Wet	30	4	4	7.62x25	85 FMJ	373.6	1533	No Perforation
Back	2.72	Wet	45	5	5	7.62x25	85 FMJ	378.9	1512	No Perforation
Back	2.72	Wet	0	6	6	7.62x25	85 FMJ	375.6	1525	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:
7.62x25 85 gr. Tokarev (Romanian) @ 1530 fps (+/-30).

Sample Tested:
Model No.: BA-3A00Z-BR01
Size: LRRC
DoM: APR 2010
Serial No.: 10056635
Lot No.: 017273

EXPORT CONTROLLED DATA
 These commodities, technology, or software are controlled
 for export in accordance with the U.S. Export
 Administration Regulation.
 Diversion contrary to U.S. law is prohibited.
 BAE Systems

Crawford/Nold

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 05/17/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE10887
Test Date: 06/03/10
Customer: Safariland, LLC

Test Conditions

Temperature: 72 °F.
Humidity: 59 %
Clay Block No.: 2
Clay Temp.: 104 °F.
Drops (Avg.): 20.2 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: N/A

Range 4

Muzzle to Scr. 1: 6.33 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.92 ft.
Midpoint to Target: 7.79 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Back	2.73	Wet	0	1	1	9mm	100 CQT	494.7	1158	21
Back	2.73	Wet	0	2	2	9mm	100 CQT	497.5	1151	18
Back	2.73	Wet	0	3	3	9mm	100 CQT	494.7	1158	21
Back	2.73	Wet	30	4	4	9mm	100 CQT	499.0	1148	No Perforation
Back	2.73	Wet	45	5	5	9mm	100 CQT	500.2	1145	No Perforation
Back	2.73	Wet	0	6	6	9mm	100 CQT	498.1	1150	No Perforation
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:
*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:
Federal 9mm 100gr. Close Quarters Training (BC9NT3) @ 1150 fps (+/-30).

Sample Tested:
Model No.: BA-3A00Z-BR01
Size: LRRC
DoM: APR 2010
Serial No.: 10056636
Lot No.: 017273

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
BAE Systems

**UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST**

Date Received: 05/17/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE10891
Test Date: 06/02/10
Customer: Safariland, LLC

Test Conditions

Temperature: 75 °F.
Humidity: 41 %
Clay Block No.: 8
Clay Temp.: 102 °F.
Drops (Avg.): 20.6 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: N/A

Range 2

Muzzle to Scr. 1: 6.21 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.67 ft.
Midpoint to Target: 7.54 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Lot/allon	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Back	2.26	Wet	0	1	1	7.62x25	85 FMJ	362.7	1579	26
Back	2.26	Wet	0	2	2	7.62x25	85 FMJ	376.6	1521	24
Back	2.26	Wet	0	3	3	7.62x25	85 FMJ	375.1	1527	27
Back	2.26	Wet	30	4	4	7.62x25	85 FMJ	376.2	1523	No Perforation
Back	2.26	Wet	45	5	5	7.62x25	85 FMJ	374.5	1530	No Perforation
Back	2.26	Wet	0	6	6	7.62x25	85 FMJ	380.7	1505	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:

7.62x25 85 gr. Tokarev (Romanian) @ 1530 fps (+/-30).

Sample Tested:

Model No.: BA-3A00S-BR01
Size: LRRC
DoM: MAR 2010
Serial No.: 10050725
Lot No.: 017074

EXPORT CONTROLLED U.S. TA
These commodities, technology or data are controlled
for export to, and/or re-exportation to, the
Administration of Regulations.
Diversion contrary to U.S. laws is prohibited.
BAE System

Crawford/Nold

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 05/17/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE10892
Test Date: 06/01/10
Customer: Safariland, LLC

Test Conditions

Temperature: 71 °F.
Humidity: 62 %
Clay Block No.: 2
Clay Temp: 102 °F.
Drops (Avg): 19.8 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: N/A

Range 4

Muzzle to Scr 1: 6.33 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.92 ft.
Midpoint to Target: 7.79 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet/Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.25	Wet	0	1	1	9mm	100 CQT	500.0	1146	17
Front	2.25	Wet	0	2	2	9mm	100 CQT	496.8	1153	18
Front	2.25	Wet	0	3	3	9mm	100 CQT	486.1	1178	20
Front	2.25	Wet	30	4	4	9mm	100 CQT	492.4	1163	No Perforation
Front	2.25	Wet	45	5	5	9mm	100 CQT	497.7	1151	No Perforation
Front	2.25	Wet	0	6	6	9mm	100 CQT	502.3	1140	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:

Federal 9mm 100gr. Close Quarters Training (BC9NT3) @ 1150 fps (+/-30).

Sample Tested:

Model No.: BA-3A00S-BR01
Size: LRC
DoM: MAR 2010
Serial No.: 10050728
Lot No.: 017074


 This report was prepared by the United States Test Laboratory
 on behalf of Safariland, LLC. The results are for informational purposes only.
 and do not constitute a warranty of any kind. Safariland, LLC
 does not warrant the accuracy or completeness of the information
 provided herein.

**UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST**

Date Received: 05/17/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE10889
Test Date: 05/25/10
Customer: Safariland, LLC

Test Conditions

Temperature: 72 °F.
Humidity: 46 %
Clay Block No.: 9
Clay Temp.: 104 °F.
Drops (Avg.): 21 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: N/A

Range 2

Muzzle to Scr. 1: 6.21 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.66 ft.
Midpoint to Target: 7.53 ft.
Target to Wilness: 0 ft.
Barrel Length: 4 in
Clay Block: 5.5 in

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME s-x-5	VELOCITY fps	Perforation BFS (mm)
Back	2.27	Wet	0	1	1	9mm	127 SXT	461.3	1242	24
Back	2.27	Wet	0	2	2	9mm	127 SXT	453.5	1263	25
Back	2.27	Wet	0	3	3	9mm	127 SXT	456.1	1256	26
Back	2.27	Wet	30	4	4	9mm	127 SXT	454.1	1261	No Perforation
Back	2.27	Wet	45	5	5	9mm	127 SXT	455.8	1257	No Perforation
Back	2.27	Wet	0	6	6	9mm	127 SXT	447.4	1280	No Perforation
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:

Winchester 9mm 127gr. SXT +P+ (RA9TA) @1250 fps (+/-30).

Sample Tested:

Model No.: BA-3A00S-BR01
Size: LRRC
DoM: MAR 2010
Serial No.: 10050722
Lot No.: 017074

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled
for export in accordance with the U.S. Export
Administration Regulation
Diversion contrary to U.S. Law is prohibited
BAE Systems

**UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST**

Date Received: 05/17/10
Via: FedEx
Returned Via: UPS

Record No: BAE10890
Test Date: 05/28/10
Customer: Safariland, LLC.

Test Conditions

Temperature: 75 °F
Humidity: 38 %
Clay Block No.: 9
Clay Temp.: 95 °F
Drops (Avg.): 18.1 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: N/A

Range 2

Muzzle to Scr. 1: 6.21 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.67 ft.
Midpoint to Target: 7.54 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet/Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
Front	2.25	Wet	0	1	1	.40 Cal	165 SXT	508.6	1126	24
Front	2.25	Wet	0	2	2	.40 Cal	165 SXT	509.4	1124	23
Front	2.25	Wet	0	3	3	.40 Cal	165 SXT	510.6	1122	25
Front	2.25	Wet	30	4	4	.40 Cal	165 SXT	501.8	1141	No Perforation
Front	2.25	Wet	45	5	5	.40 Cal	165 SXT	508.6	1126	No Perforation
Front	2.25	Wet	0	6	6	.40 Cal	165 SXT	502.0	1141	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per N.I.J. 0101.06 Sec. 7.8.2.
**Projectiles provided by customer.

Ammunition:

Winchester 40 Cal. 165gr. SXT (RA40TA) @1140 fps (+/-30).

Sample Tested:

Model No.: BA-3A00S-BR01
Size: LRC
DoM: MAR 2010
Serial No.: 10050729
Lot No.: 017074

EXPORT CONTROL NOTICE
These commodities and related technical data are restricted to export and re-exportation under the EAR.
A large portion of U.S. defense and military equipment is controlled under the EAR.
Diversion contrary to E.O. 12812 is prohibited.
RMI Systems

Landon/Nold

**UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST**

Date Received 06/25/10
Via Fed Ex
Returned Via UPS

Record No. BAE101145
Test Date: 06/25/10
Customer: Safariland, LLC

Test Conditions

Temperature 70 °F
Humidity 49 %
Clay Block No. 8
Clay Temp.: 101 °F
Drops (Avg.): 20 mm
Test Spec: Modified/Abbreviated NIJ 0101.06
Threat Level N/A

Range 3

Muzzle to Scr. 1 5.88 ft.
Screen 1 - 2. 5.73 ft.
Screen 2 - Target 3.83 ft.
Midpoint to Target: 6.70 ft.
Target to Witness. 0 ft.
Barrel Length: 14 in
Clay Block: 5.5 in

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Side	Sample Weight (lb.)	Wet Dry	0.45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (in)
BR01	2.25	Wet	0	1	1	40 S&W	155/THP	461.2	1242	28
BR01	2.25	Wet	0	2	2	40 S&W	155/THP	444.4	1289	30
BR01	2.25	Wet	0	3	3	40 S&W	155/THP	449.1	1275	28
BR01	2.25	Wet	30	4	4	40 S&W	155/THP	452.1	1267	No Perforation
BR01	2.25	Wet	45	5	5	40 S&W	155/THP	444.9	1287	No Perforation
BR01	2.25	Wet	0	6	6	40 S&W	155/THP	447.0	1281	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

*Sample conditioned per NIJ 0101.06 Sec. 7.8.2
**Projectiles provided by customer
Velocity @ 1250 +/- 30 per customer request

Ammunition:

Federal, 40 S&W Tactical Bonded, 155gr/Tactical HP LE40T2

Sample Tested:

Model No BA-3A00S-BR01
Size LRC
DoM Mar 2010
Serial No. 10050727
Lot No: 017074

EXPOSURE CONTROL
These conditions should be used for all exposures
for a particular material with this setup
Agreement on location.
Discretion contrary to U.S. Law is prohibited
BAE Systems

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST

Date Received 6/25/10
Via Fed Ex
Returned Via UPS

Record No : BAE101148
Test Date 6/28/10
Customer BAE Systems

Sample		Throat		Range 3	
Manufacturer	Safariland, LLC	Projectile	.40 S&W	Muzzle to Scr 1	5.96 ft.
Size	LRRC	Weight:	155 THP	Screen 1 - 2:	5.73 ft.
No of Plies	N/A	Powder:	Power Pistol	Screen 2 - Target:	5.50 ft.
Weight	2.27 lbs.	Barrel Length:	10 in	Target to Witness:	0 ft
Model No	BA-3A00S-BR01	Obliquity:	0 deg	Midpoint to Target	8.37 ft.
Serial No	10050723	Test Spec	Modified/Abbreviated	Witness Panel:	5.5 in clay
Lot No	017074		NIJ 0101 06	Temperature:	72 °F
Threat Level	IIIA			Humidity	49 %
Condition	Ambient				

SHOT No	Powder	Chronograph 1		Chronograph 2		AVERAGE Velocity (fps)	Less	Instrument	Penetration	
		TIME sec-5	VELOCITY fps	TIME sec-5	VELOCITY fps				Shot	Complete Partial
1	11.0	344.6	1662	245.4	1665	1663	0	1663	n	p
2	11.7	342.0	1675	243.6	1677	1676	0	1676	n	p
3	13.0	328.6	1743	234.0	1746	1744	0	1744	y	p
4	14.7	304.2	1883	216.6	1886	1884	0	1884	n	c
5	13.7	315.2	1817	224.4	1820	1819	0	1819	y	c
6	13.0	324.7	1764	231.2	1767	1765	0	1765	y	c
7	12.4	330.7	1732	235.5	1735	1733	0	1733	y	c
8	11.8	333.2	1719	237.2	1722	1721	0	1721	y	p
9	12.6	324.6	1765	231.1	1768	1766	0	1766	y	p
							0			
							0			
							0			
							0			
							0			
							0			
							0			
							0			
							0			
							0			

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample	V50	HIGH	LOW	RANGE OF	RANGE OF
	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
	1758	1766	1733	98	33

REMARKS/NOTES

Clay Block No. 12
Drop Avg. 17 mm
Clay Temp. 98 °F

*Shot-to-shot spacing in accordance with section 7.6.2.
**Projectiles provided by customer

V50 based on three stops and three perforations

Ammunition:
Federal, 40 S&W Tactical Bonded, 155gr/Tactical HP LE40T2

Wilson/Elston

United States Test Laboratory LLC, 7447 W 33rd St. N., Wichita, KS 67205 Ph 316-832-1600 Fax 316-832-1602

EXPORT CONTROLLED DATA

These communications, technology, or information are controlled for export in accordance with the ITAR, EAR, and DSP regulations. Administration Regulation. Diversion contrary to law is strictly prohibited. BAE Systems

**UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST**

Date Received 07/21/09
Via: FedEx
Returned Via: UPS

Record No. SAF09137
Test Date: 07/24/09
Customer: Safariland, LLC.

Test Conditions

Temperature 73 °F.
Humidity: 51 %
Clay Block No.: 1
Clay Temp.: 105 °F.
Drops (Avg.): 20 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 6.13 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.75 ft.
Midpoint to Target: 7.62 ft.
Target to Witness 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lb.)	Wet/Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME s-x-5	VELOCITY fps	Perforation BFS (mm)
C-1	1.69	Wet	0	1	1	7.62mm	85 FMJ	375.5	1525	23
C-1	1.69	Wet	0	2	2	7.62mm	85 FMJ	368.8	1553	20
C-1	1.69	Wet	0	3	3	7.62mm	85 FMJ	376.3	1522	22
C-1	1.69	Wet	30	4	4	7.62mm	85 FMJ	378.4	1514	No Perforation
C-1	1.69	Wet	45	5	5	7.62mm	85 FMJ	376.3	1522	No Perforation
C-1	1.69	Wet	0	6	6	7.62mm	85 FMJ	375.8	1524	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06. Section 7.8.1.

Shot-to-edge distance: 2.25"

Ammunition Used:

Customer requested six impacts with Romanian Tokarev 7.62mm 85 gr. FMJ @ a velocity of 1530 fps +/- 30 fps.

Sample Tested:

Model No.: BA-3A00S-BR01
Size: C-1
DoM: 07/2009
Serial No.: 90962
Lot No.: 90084
Threat Level: IIIA

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11)
Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22)
Layers 3-17, 18-32: Flex aramid film.
Layers 33, 35: Plastic (0.01" thick).

Crawford/Elston

EXPORT CONTROLLED DATA
These commodities, technology, or data are restricted for export in accordance with the U.S. Export Administration Regulation.
Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 07/21/09
Via: FedEx
Returned Via: UPS

Record No: SAF09136
Test Date: 07/24/09
Customer: Safariland, LLC

Test Conditions

Temperature: 73 °F
Humidity: 51 %
Clay Block No.: 1
Clay Temp.: 105 °F
Drops (Avg.): 20 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 6.13 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.75 ft.
Midpoint to Target: 7.62 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lb.)	Wet/Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
C-1	1.68	Wet	0	1	1	.357 SIG	125 GDHP	424.5	1349	25
C-1	1.68	Wet	0	2	2	.357 SIG	125 GDHP	426.0	1345	20
C-1	1.68	Wet	0	3	3	.357 SIG	125 GDHP	424.7	1349	21
C-1	1.68	Wet	30	4	4	.357 SIG	125 GDHP	422.7	1355	No Perforation
C-1	1.68	Wet	45	5	5	.357 SIG	125 GDHP	423.9	1351	No Perforation
C-1	1.68	Wet	0	6	6	.357 SIG	125 GDHP	425.4	1346	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600
316-832-1602

Phone
Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.

Shot-to-edge distance: 2.25"

Ammunition Used:

Customer requested six impacts with Speer .357 SIG 125 gr GDHP @ a velocity of 1375 fps +/- 30 fps.

Sample Tested:

Model No.: BA-3A00S-BR01
Size: C-1
DoM: 07/2009
Serial No.: 90958
Lot No.: 90084
Threat Level: IIIA

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled
for export in accordance with the U.S. Export
Administration Regulation.
Diversion contrary to U.S. law is prohibited
BAE Systems

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).
Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22)
Layers 3-17, 18-32: Flex aramid film.
Layers 33, 35: Plastic (0.01" thick").

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 07/21/09
Via: FedEx
Returned Via: UPS

Record No: SAF09135
Test Date: 07/24/09
Customer: Safariland, LLC.

Test Conditions

Temperature: 73 °F
Humidity: 51 %
Clay Block No.: 1
Clay Temp.: 105 °F
Drops (Avg.): 20 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 2

Muzzle to Scr. 1: 6.13 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.75 ft.
Midpoint to Target: 7.62 ft.
Target to Witness: 0 ft.
Barrel Length: 4 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lb.)	Wet/Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
C-1	1.68	Wet	0	1	1	9mm	127 SXT	456.5	1255	21
C-1	1.68	Wet	0	2	2	9mm	127 SXT	449.5	1274	20
C-1	1.68	Wet	0	3	3	9mm	127 SXT	452.1	1267	23
C-1	1.68	Wet	30	4	4	9mm	127 SXT	453.9	1262	No Perforation
C-1	1.68	Wet	45	5	5	9mm	127 SXT	455.8	1257	No Perforation
C-1	1.68	Wet	0	6	6	9mm	127 SXT	458.8	1248	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.

Shot-to-edge distance: 2.25"

Ammunition Used:

Customer requested six impacts with Winchester Ranger 9mm Luger +P+ 127 gr. SXT @ a velocity of 1250 fps +/- 30 fps.

Sample Tested:

Model No.: BA-3A00S-BR01
Size: C-1
DoM: 07/2009
Serial No.: 90963
Lot No.: 90084
Threat Level: IIIA

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
BAE Systems

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).
Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).
Layers 3-17, 18-32: Flex aramid film.
Layers 33, 35: Plastic (0.01" thick)

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST
DOPPLER RADAR

Date Received: 7/21/09
 Via: Fed Ex
 Returned Via: UPS

Record No: SAF09141
 Test Date: 7/28/09
 Customer: Safariland, LLC.

Sample

Manufacturer: Safariland
 Size: C-5 in.
 No. of Plies: 36
 Weight: 5.13 lbs.
 Model No.: BA-3A00S-BR01
 Serial No.: 90968
 Lot No.: 90084
 DoM: 07/2009

Threat

Projectile: RCC
 Weight: 2gr
 Powder: Bullseye
 Barrel Length: 26
 Obliquity: 0 deg.
 Test Spec: Mil-Std. 662F

Range 3

Muzzle to Target: 11.50 ft.
 Target to Witness: 0.50 ft.
 Witness Panel: 2024-T3 Alum.
 Temperature: 70 °F
 Humidity: 45 %

Shot Info.		Velocity Information		Penetration Results	
SHOT No.	Powder Charge	Muzzle f.p.s.	Striking f.p.s.	Include Shot	Complete Partial
1	5.5	3261	2812	y	c
2	5.3	3140	2714	y	p
3	5.5	3209	2763	y	p
4	5.6	3249	2800	y	c
5	5.5	3220	2785	y	c
6	5.3	3168	2728	y	p

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	V50 VELOCITY	HIGH PARTIAL	LOW COMPLETE	RANGE OF RESULTS	RANGE OF MIXED RESULTS
	2767	2763	2785	98	-22

REMARKS/NOTES

Sample secured using frame and clamps.
 V50 based on three partial and three complete penetrations

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).
 Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).
 Layers 3-17, 18-32: Flex aramid film.
 Layers 33, 35: Plastic (0.01" thick").

Childers/Nguyen

EXPORT CONTROLLED DATA
 These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
 BAE Systems

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST
DOPPLER RADAR

Date Received: 7/21/09
 Via: Fed Ex
 Returned Via: UPS

Record No: SAF09142
 Test Date: 7/28/09
 Customer: Safariland, LLC.

Sample

Manufacturer: Safariland
 Size: C-5 in.
 No. of Plies: 36
 Weight: 5.14 lbs.
 Model No.: BA-3A00S-BR01
 Serial No.: 90964
 Lot No.: 90084
 DoM: 07/2009

Threat

Projectile: RCC
 Weight: 4gr
 Powder: Bullseye
 Barrel Length: 26
 Obliquity: 0 deg.
 Test Spec: Mil-Std. 662F

Range 3

Muzzle to Target: 11.50 ft.
 Target to Witness: 0.50 ft.
 Witness Panel: 2024-T3 Alum
 Temperature: 70 °F
 Humidity: 45 %

Shot Info.		Velocity Information			Penetration Results	
SHOT No.	Powder Charge	Muzzle f.p.s.	Striking f.p.s.		Include Shot	Complete Partial
1	4.4	2759	2411		n	p
2	4.7	2806	2495		n	p
3	5.0	2949	2646		y	p
4	5.3	3062	2761		n	c
5	5.1	2902	2595		y	c
6	4.9	2877	2567		y	c
7	4.7	2817	2525		y	p
8	4.9	2863	2568		y	c
9	4.7	2856	2510		n	p
10	4.9	2892	2600		y	p

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	V50 VELOCITY	HIGH PARTIAL	LOW COMPLETE	RANGE OF RESULTS	RANGE OF MIXED RESULTS
	2584	2646	2567	121	79

REMARKS/NOTES

Sample secured using frame and clamps.
 V50 based on three partial and three complete penetrations

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).
 Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22)
 Layers 3-17, 18-32: Flex aramid film.
 Layers 33, 35: Plastic (0.01" thick").

Childers/Nguyen

United States Test Laboratory, LLC 7447 W 33rd North, Wichita, KS 67205, Phone 316-832-1600, Fax 316-832-1602

EXPORT CONTROLLED DATA

These commodities, technology, or software are controlled for export under various U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.
 BAE Systems

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST

Date Received: 7/21/09
Via: FedEx
Returned Via: UPS

Record No: SAF09143
Test Date: 7/27/09
Customer: Safariland, LLC.

Sample		Threat		Range 1	
Manufacturer:	Safariland	Projectile:	RCC	Muzzle to Scr. 1:	4.63 ft.
Size:	C-5 in.	Weight:	16 gr.	Screen 1 - 2:	5.73 ft.
No. of Plies:	36	Powder:	Bullseye	Screen 2 - Target:	5.60 ft.
Weight:	5.14 lbs	Barrel Length:	28 in.	Target to Witness:	0.50 ft.
Model No.:	BA-3A00S-BR01	Obliquity:	0 deg.	Midpoint to Target:	8.47 ft.
Serial No.:	90965	Test Spec:	Mil-Std. 662F	Witness Panel:	2024-T3 Alum
Lot No.:	90084			Temperature:	75 °F.
DoM:	07/2009			Humidity:	46 %
Conditioning:	New				

SHOT No.	Powder	Chronograph 1		Chronograph 2		AVERAGE Velocity (fps)	Loss	Instrument	Penetration	
		TIME sx-5	VELOCITY fps	TIME sx-5	VELOCITY fps				SHOT Incl.	Complete Partial
1	8.6	252.6	2268	180.0	2269	2269	143	2126	n	p
2	8.9	241.4	2373	171.9	2376	2375	149	2225	y	p
3	9.2	240.0	2387	171.0	2389	2388	150	2237	y	c
4	9.0	242.1	2366	172.5	2368	2367	149	2218	y	c
5	8.7	249.7	2294	177.9	2296	2295	144	2151	y	p
6	9.0	243.2	2355	173.2	2359	2357	148	2209	y	p
7	9.3	239.1	2396	169.5	2410	2403	151	2252	y	c
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	V50 VELOCITY	HIGH PARTIAL	LOW COMPLETE	RANGE OF RESULTS	RANGE OF MIXED RESULTS
	2215	2225	2218	101	7

REMARKS/NOTES

Sample secured using frame and clamps.
V50 based on three partial and three complete penetrations.

Sample Description:
Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).
Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).
Layers 3-17, 18-32: Flex aramid film
Layers 33, 35: Plastic (0.01" thick).

PATENTED BY SAFARILAND, LLC
 These commodities are restricted for exportation
 for exportation in accordance with the U.S. Export
 Administration Regulation
 Diversion contrary to U.S. law is prohibited.
 BAE Systems

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST

Date Received: 7/21/09
Via: FedEx
Returned Via: UPS

Record No: SAF09144
Test Date: 7/27/09
Customer: Safariland, LLC.

Sample

Manufacturer: Safariland
Size: C-5 in.
No. of Plies: 36
Weight: 5.13 lb.
Model No.: BA-3A00S-BR01
Serial No.: 90966
Lot No.: 90084
DoM: 07/2009
Conditioning: New

Threat

Projectile: RCC
Weight: 64 gr.
Powder: Bullseye
Barrel Length: 26 in.
Obliquity: 0 deg.
Test Spec: Mil-Std. 662F

Range 1

Muzzle to Scr. 1: 4.79 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.60 ft.
Target to Witness: 0.50 ft.
Midpoint to Target: 8.47 ft.
Witness Panel: 2024-T3 Alum.
Temperature: 75 °F
Humidity: 46 %

SHOT No.	Powder	Chronograph 1		Chronograph 2		AVERAGE Velocity (fps)	Loss	Instrument	Penetration	
		TIME sx-5	VELOCITY fps	TIME sx-5	VELOCITY fps				SHOT Incl.	Complete Partial
1	13.8	306.1	1871	218.6	1869	1870	85	1785	y	c
2	13.3	312.9	1831	223.3	1829	1830	83	1747	y	p
3	13.8	306.9	1866	219.1	1864	1865	85	1781	y	c
4	13.2	320.2	1789	227.8	1793	1791	81	1710	y	p
5	13.7	310.5	1845	221.7	1843	1844	84	1760	y	c
6	13.2	314.5	1821	224.5	1820	1820	83	1738	y	p
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	V50	HIGH	LOW	RANGE OF	RANGE OF
	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
	1753	1747	1760	75	-13

REMARKS/NOTES

Sample secured using air/hydraulic frame and clamps.
V50 based on three partial and three complete penetrations.

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).
Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).
Layers 3-17, 18-32: Flex aramid film
Layers 33, 35: Plastic (0.01" thick).

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
BAE Systems

Elston/Nold

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST

Date Received: 7/21/2009
Via: FedEx
Returned Via: UPS

Record No.: SAF09140
Test Date: 7/27/2009
Customer: Safariland, LLC

Sample

Manufacturer: Safariland
Size: C-1
No. of Plies: 36
Weight: 1.69 lbs.
Serial No.: 90960
Lot No.: 90084
DoM: 07/2009
Conditioning: New

Threat

Projectile: 7.62 Tokarev
Weight: 85 gr. FMJ
Powder: Bullseye
Barrel Length: 4 in.
Obliquity: 0 deg.
Test Spec: Modified/Abbreviated
NIJ 0101.06

Range 1

Muzzle to Scr. 1: 6.42 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.61 ft.
Target to Witness: 0.0 ft.
Midpoint to Target: 7.48 ft.
Witness Panel: 5.5 in. clay
Temperature: 72 °F
Humidity: 47 %

SHOT No	Powder	Chronograph 1		Chronograph 2		AVERAGE Velocity (fps)	Loss	Instrument	Penetration	
		TIME	VELOCITY	TIME	VELOCITY				SHOT Incl.	Complete
			fps	ss-5	fps					Partial
1	7.5	348.6	1643	248.3	1645	1644	0	1644	n	p
2	8.2	331.0	1731	235.8	1732	1731	0	1731	n	p
3	8.9	314.8	1820	224.3	1821	1820	0	1820	y	c
4	8.6	324.1	1767	230.9	1769	1768	0	1768	y	c
5	8.3	327.1	1751	233.1	1752	1752	0	1752	n	p
6	8.6	324.3	1766	231.1	1768	1767	0	1767	n	p
7	8.9	321.4	1782	229.0	1784	1783	0	1783	y	p
8	9.2	307.6	1862	219.1	1864	1863	0	1863	y	p
9	9.4	306.6	1868	218.4	1870	1869	0	1869	y	p
10	9.7	303.9	1885	216.5	1887	1886	0	1886	y	c
			-		-	-	0	-		
			-		-	-	0	-		
			-		-	-	0	-		
			-		-	-	0	-		
			-		-	-	0	-		

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	V50	HIGH	LOW	RANGE OF	RANGE OF
	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
	1832	1869	1768	118	101

REMARKS/NOTES
Clay Temp.: 101 deg. F.
2 Horizontal, 2 Vertical Straps

V50 based on three partial and three complete penetrations.

Sample Tested:
Model No.: BA-3A00S-BR01
Threat Level: IIIA

Sample Description:
Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).
Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22)
Layers 3-17, 18-32: Flex aramid film.
Layers 33, 35: Plastic (0.01" thick).

Elston/Nold

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export in accordance with the U.S. Export Administration Regulation. Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST

Date Received: 7/21/2009
Via: FedEx
Returned Via: UPS

Record No.: SAF09139
Test Date: 7/27/2009
Customer: Safariland, LLC.

Sample		Threat		Range 1	
Manufacturer:	Safariland	Projectile:	.357 SIG	Muzzle to Scr. 1:	5.96 ft.
Size:	C-1	Weight:	125 GDHP	Screen 1 - 2:	5.73 ft.
No. of Plies:	36	Powder:	Power Pistol	Screen 2 - Target:	4.61 ft.
Weight:	1.69 lbs.	Barrel Length:	10 in.	Target to Witness:	0.0 ft.
Serial No.:	90961	Obliquity:	0 deg.	Midpoint to Target:	7.48 ft.
Lot No.:	90084	Test Spec:	Modified/Abbreviated	Witness Panel:	5.5 in. clay
DoM:	07/2009		NIJ 0101.06	Temperature:	72 °F
Conditioning:	New			Humidity:	47 %

SHOT No	Powder	Chronograph 1		Chronograph 2		AVERAGE Velocity (fps)	Loss	Instrument	Penetration	
		TIME	VELOCITY	TIME	VELOCITY				SHOT Incl.	Complete Partial
1	10.5	315.0	1818	224.4	1820	1819	0	1819	y	c
2	10.0	327.6	1748	233.7	1748	1748	0	1748	n	p
3	10.2	323.4	1771	230.4	1773	1772	0	1772	n	p
4	10.5	314.1	1824	223.7	1826	1825	0	1825	n	p
5	10.9	315.7	1814	224.9	1816	1815	0	1815	n	p
6	11.2	304.9	1879	217.2	1881	1880	0	1880	y	c
7	11.0	307.1	1865	218.7	1868	1867	0	1867	n	p
8	11.3	302.5	1894	215.5	1896	1895	0	1895	y	p
9	11.6	306.7	1868	218.4	1870	1869	0	1869	n	p
10	11.7	293.0	1955	208.7	1957	1956	0	1956	y	p
			-		-	-	0	-		
			-		-	-	0	-		
			-		-	-	0	-		
			-		-	-	0	-		
			-		-	-	0	-		

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample	V50	HIGH	LOW	RANGE OF	RANGE OF
	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
	1887	1956	1819	137	137

REMARKS/NOTES

Clay Temp.: 101 deg. F.
2 Horizontal, 2 Vertical Straps

*A range of results at or below 125fps could not be obtained due to high partial and low complete penetrations. V50 based on two partial and two complete penetrations

Sample Tested:

Model No.: BA-3A00S-BR01
Threat Level: IIIA

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11)
Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22)
Layers 3-17, 18-32: Flex aramid film.
Layers 33, 35: Plastic (0.01" thick").

Elston/Nold

EXPORT CONTROLLED DATA
These commodities, technology, or software are controlled for export under the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST

Date Received: 7/21/2009
 Via: FedEx
 Returned Via: UPS

Record No.: SAF09138
 Test Date: 7/27/2009
 Customer: Safariland, LLC.

Sample

Manufacturer: Safariland
 Size: C-1
 No. of Plies: 36
 Weight: 1.69 lbs.
 Serial No.: 90959
 Lot No.: 90084
 DoM: 07/2009
 Conditioning: New

Threat

Projectile: 9mm
 Weight: 127 SXT
 Powder: Power Pistol
 Barrel Length: 14 in.
 Obliquity: 0 deg.
 Test Spec: Modified/Abbreviated
 NIJ 0101 06

Range 1

Muzzle to Scr. 1: 5.63 ft.
 Screen 1 - 2: 5.73 ft.
 Screen 2 - Target: 4.61 ft.
 Target to Witness: 0.0 ft.
 Midpoint to Target: 7.48 ft.
 Witness Panel: 5.5 in. clay
 Temperature: 72 °F
 Humidity: 47 %

SHOT No	Powder	Chronograph 1		Chronograph 2			Loss	Instrument	Penetration	
		TIME	VELOCITY	TIME	VELOCITY	AVERAGE			SHOT	Complete
			fps	sec.5	fps	Velocity (fps)			incl.	Partial
1	9.6	342.9	1670	244.2	1673	1672	0	1672	y	c
2	9.2	358.7	1597	255.5	1599	1598	0	1598	n	p
3	9.5	344.0	1665	245.0	1667	1666	0	1666	n	p
4	9.8	341.8	1676	243.4	1678	1677	0	1677	n	p
5	10.1	332.4	1723	236.7	1726	1725	0	1725	n	p
6	10.5	318.9	1796	227.1	1799	1797	0	1797	n	c
7	10.3	328.2	1745	233.8	1747	1746	0	1746	n	p
8	10.5	321.4	1782	229.0	1784	1783	0	1783	n	p
9	10.7	317.7	1803	226.3	1805	1804	0	1804	n	c
10	10.5	324.0	1768	230.8	1770	1769	0	1769	n	p
11	10.7	319.6	1792	227.6	1795	1794	0	1794	n	p
12	10.9	310.3	1846	221.0	1848	1847	0	1847	y	p
							0			
							0			
							0			

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	V50	HIGH	LOW	RANGE OF	RANGE OF
	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
	1759	1847	1672	176	176

REMARKS/NOTES

Clay Temp.: 101 deg. F.
 2 Horizontal, 2 Vertical Straps

*A range of results at or below 125fps could not be obtained due to high partial and low complete penetrations. V50 based on one partial and one complete penetrations.

Sample Tested:

Model No: BA-3A00S-BR01
 Threat Level: IIIA

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).
 Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).
 Layers 3-17, 18-32: Flex aramid film.
 Layers 33, 35: Plastic (0.01" thick").

Elston/Notd

These results are the property of Ballistic Systems Incorporated
 for export in accordance with the U.S. Export Administration Regulation
 Diversion contrary to U.S. law is prohibited
 B&E Systems

**UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST**

Date Received: 08/31/10
Via: Fed Ex
Returned Via: UPS

Record No: BAE101691
Test Date: 08/31/10
Customer: BAE Systems

Test Conditions

Temperature: 72 °F
Humidity: 48 %
Clay Block No: 8
Clay Temp: 98 °F
Drops (Avg): 19.0 mm
Test Spec: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 3

Muzzle to Scr 1: 5.92 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 4.54 ft.
Midpoint to Target: 7.41 ft.
Target to Witness: 0 ft.
Barrel Length: 10 in
Clay Block: 5.5 in

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet/Dry	0-45 Deg. Angle	Shot No	Shot Location	Caliber	Bullet Wt./Type	TIME sec-5	VELOCITY fps	Perforation BFS (mm)
2214-2017	1.98	Wet	0	1	1	357 Sig	125 GDHP	432.4	1325	25.36
2214-2017	1.98	Wet	0	2	2	357 Sig	125 GDHP	438.0	1308	29.45
2214-2017	1.98	Wet	0	3	3	357 Sig	125 GDHP	427.9	1339	30.21
2214-2017	1.98	Wet	30	4	4	357 Sig	125 GDHP	426.8	1342	No Perforation
2214-2017	1.98	Wet	45	5	5	357 Sig	125 GDHP	436.7	1312	No Perforation
2214-2017	1.98	Wet	0	6	6	357 Sig	125 GDHP	435.7	1315	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A

316-832-1600
316-832-1602

Phone
Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1

Shot-to-edge distance: 2.25"

*Customer requested 357 Sig 125gr GDHP @ 1335 +/- 30 fps

Sample Tested:

Model No: BA-3A00S-SM01
Panel Side: Front
Size: 2214-2017
DoM: Aug 2010
Serial No: 10110367
Lot No: 019170
Threat Level: IIIA - Special Threat

EXCLUDED FROM PUBLIC RELEASE
This information is the property of the United States Test Laboratory and is controlled by the United States Test Laboratory. Distribution of this information is prohibited.
BAE Systems

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received 08/31/10
Via Fed Ex
Returned Via UPS

Record No. BAE101692
Test Date: 08/31/10
Customer: BAE Systems

Test Conditions

Temperature: 72 °F
Humidity: 48 %
Clay Block No: 8
Clay Temp: 98 °F
Drops (Avg): 19.0 mm
Test Spec: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 3

Muzzle to Scr 1: 5.92 ft
Screen 1 - 2: 5.73 ft
Screen 2 - Target: 4.54 ft
Midpoint to Target: 7.41 ft
Target to Witness: 0 ft
Barrel Length: 10 in
Clay Block: 5.5 in

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet/Dry	0-45 Deg Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME s-x-5	VELOCITY fps	Perforation BFS (mm)
LRRC	2.29	Wet	0	1	1	357 Sig	125 GDHP	434.6	1318	20.71
LRRC	2.29	Wet	0	2	2	357 Sig	125 GDHP	438.5	1306	19.45
LRRC	2.29	Wet	0	3	3	357 Sig	125 GDHP	437.2	1310	24.43
LRRC	2.29	Wet	30	4	4	357 Sig	125 GDHP	429.6	1333	No Perforation
LRRC	2.29	Wet	45	5	5	357 Sig	125 GDHP	435.3	1316	No Perforation
LRRC	2.29	Wet	0	6	6	357 Sig	125 GDHP	431.0	1329	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W 33rd St N
Wichita KS 67205 U.S.A

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

Shot location marking per NIJ 0101.06 Section 7.8.1

Shot-to-edge distance 2.25"

*Customer requested 357 Sig 125gr GDHP @ 1335 +/- 30 fps

Sample Tested:

Model No BA-3A00S-BR01
Panel Side Front
Size LRRC
DoM Aug 2010
Serial No 10161924
Lot No 015082
Threat Level IIIA - Special Threat

These data are the property of the United States Test Laboratory and are not to be distributed outside the laboratory without the express written permission of the Laboratory Administrator.

Unauthorized copying or reuse of any part of this document is prohibited.

BAE Systems

UNITED STATES TEST LABORATORY
V50 BALLISTIC LIMIT TEST

Date Received 8/31/10
 Via Fed Ex
 Returned Via UPS

Record No BAE101693
 Test Date 8/31/10
 Customer BAE Systems

Sample		Threat		Range 3	
Manufacturer	Safariland, LLC	Projectile	357 Sig	Muzzle to Scr 1	5.54 ft
Size	LRC	Weight	125 GDHP	Screen 1 - 2:	5.73 ft
No. of Pies	N/A	Powder	Power Pistol	Screen 2 - Target	4.54 ft
Weight:	2.29 lbs	Barrel Length:	14 in.	Target to Witness	0 ft
Model No	BA-3A00S-BR01	Obliquity	0 deg	Midpoint to Target	7.41 ft
Serial No.	10161925	Test Spec.	Modified/Abbreviated	Witness Panel	5.5 in. clay
Lot No	014208		NIJ 0101.06	Temperature:	74 °F
Threat Level	IIIA - Special Threat			Humidity	51 %
Condition	New				

SHOT No	Powder	Chronograph 1		Chronograph 2			Loss	Instrument	Penetration	
		TIME ms	VELOCITY fps	TIME ms	VELOCITY fps	AVERAGE Velocity (fps)			SHOT (in)	Complete Partial
1	10.0	329.4	1739	234.5	1742	1740	0	1740	y	c
2	9.0	357.4	1603	254.5	1605	1604	0	1604	n	p
3	9.4	332.1	1725	236.5	1727	1726	0	1726	n	p
4	9.7	333.4	1718	237.4	1721	1719	0	1719	n	p
5	10.0	326.7	1753	232.6	1756	1755	0	1755	n	p
6	10.3	323.1	1773	230.5	1772	1773	0	1773	n	p
7	10.6	316.8	1808	225.5	1812	1810	0	1810	n	p
8	11.0	311.6	1838	221.9	1841	1840	0	1840	y	c
9	10.7	316.8	1808	226.0	1808	1808	0	1808	n	p
10	11.0	309.9	1848	221.1	1848	1848	0	1848	y	p
11	11.3	304.5	1881	216.7	1885	1883	0	1883	y	p
							0			
							0			
							0			
							0			
							0			
							0			
							0			
							0			

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample	V50	HIGH	LOW	RANGE OF	RANGE OF
	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
	1828	1883	1740	143	143

REMARKS/NOTES
 Clay Block No 1
 Drop Avg 20.9 mm
 Clay Temp 102 °F
 *Shot-to-shot spacing in accordance with section 7.6.2
 V50 based on two stops and two perforations
 Zerger/Childers

BANC NATIONAL D'EPREUVE DES ARMES ET MUNITIONS
Chambre de Commerce et d'Industrie de Saint-Etienne/Montbrison
TEST BALISTIQUE

EPROUVETTE N°: 1

CLIENT : RIVOLIER

Date : 23/11/2009

Dimensions :

Masse : 3.350 Kg

Epaisseur :

Composition : GILET

CALIBRE:	.44 MAG SWC	.357 MAG JHP	9MM FMJ		
DISTANCE:	5 METRES	5 METRES	5 METRES		

Température de la gaine de tir : 17.2°C

Plastiline : ROMA N°1

N° de tir	Projectile	V2.5 (m/s)	Stop	Prof. (mm)	Remarques
1	SWC	424	OUI	32	THORAX Tir invalide vitesse trop élevée
2	JHP	421	NON	-	
3	JHP	360	OUI	14	
4	FMJ	420	OUI	22	
1	SWC	427	OUI	31	DOS (TIRS A 30°)
2	JHP	362	OUI	16	
3	FMJ	423	OUI	22	

EXPORT OF ARMS AND AMMUNITION
 these commodities shall be exported only to authorized
 destination in accordance with the Arms and Ammunition
 Administration (Arms Administration)
 Direction générale de l'Armement et des Munitions
 BAL Systems

Noms opérateurs : BISCH/MARX

Personnes présentes : /

Observations :

LE GILET EST EN
 UN SEUL PIÈCE ET SE
 DÉTACHE EN UN
 SEUL PIÈCE.
 (ESSAI)



"Cet essai a été réalisé dans un laboratoire dont le système de management de la qualité est certifié AFAQ ISO 9001"
 "This test was conducted in an AFAQ ISO 9001 certified laboratory"

VIC PCL

**NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT**

Penetration and BFS Summary Data

Report Number: 09N012 Test ID: SAF09-000387 Report Date: 04/02/09
 Manufacturer: Safariland Model Designation: BA-3A000S-BR01 NIJ Armor Type: 3A

Threat 1 - New Armor
 Ammunition: .357 SIG 125/FMJ Test Velocity: 1470 ± 30 ft/s Conditioning: Wet

Shot Number	Sample 1 Size: C-5				Sample 2 Size: C-5											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1443.5	0	27.0		1467.1	0	28.0		1460.7	0	29.0		1448.9	0	24.0	
2	1477.9	0	29.0		1479.0	0	30.0		1490.7	0	26.0		1468.2	0	22.0	
3	1495.6	0	34.0		1485.9	0	27.0		1488.4	0	29.0		1507.1	0	25.0	
4	1487.9	0			1495.0	0			1501.1	0			1458.2	0		
5	1500.5	0			1491.8	0			1495.7	0			1503.7	0		
6	1446.8	0			1507.3	0			1513.4	0			1454.7	0		
7																
8																
Summary:		Perforations: 0 (Pass) Maximum BFS: 34.0 mm				BFS Statistics: Count 12 k1: 1.568				Average: 27.5 mm St Dev: 3.12 mm						
(Pass - No BFS greater than 44 mm)																

Shot Number	Sample 3 Size: C-1				Sample 4 Size: C-1											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1464.2	0	25.0		1444.4	0	24.0		1514.7	0	26.0		1476.7	0	25.0	
2	1482.6	0	25.0		1467.7	0	23.0		1454.5	0	23.0		1479.0	0	23.0	
3	1495.2	0	27.0		1476.3	0	31.0		1479.4	0	28.0		1482.7	0	26.0	
4	1524.0	0			1503.4	0			1482.6	0			1492.0	0		
5	1507.8	0			1470.3	0			1485.9	0			1495.0	0		
6	1503.9	0			1510.4	0			1484.1	0			1482.1	0		
7																
8																
Summary:		Perforations: 0 (Pass) Maximum BFS: 31.0 mm				BFS Statistics: Count 12 k1: 1.568				Average: 25.6 mm St Dev: 2.35 mm						
(Pass - No BFS greater than 44 mm)																

Threat 2 - New Armor
 Ammunition: 44 Mag 240/SJHP Test Velocity: 1430 ± 30 ft/s Conditioning: Wet

Shot Number	Sample 5 Size: C-5				Sample 6 Size: C-5											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1459.1	0	37.0		1480.5	0	37.0		1480.5	0	38.0		1457.9	0	34.0	
2	1427.8	0	32.0		1451.6	0	30.0		1443.5	0	34.0		1460.0	0	30.0	
3	1452.1	0	33.0		1445.3	0	36.0		1467.9	0	32.0		1449.7	0	30.0	
4	1449.9	0			1446.9	0			1446.7	0			1459.2	0		
5	1438.9	0			1452.7	0			1447.4	0			1455.3	0		
6	1447.8	0			1463.1	0			1460.9	0			1463.1	0		
7																
8																
Summary:		Perforations: 0 (Pass) Maximum BFS: 38.0 mm				BFS Statistics: Count 12 k1: 1.568				Average: 33.6 mm St Dev: 2.91 mm						
(Pass - No BFS greater than 44 mm)																

Shot Number	Sample 7 Size: C-1				Sample 8 Size: C-1											
	Front Panel		Back Panel		Front Panel		Back Panel									
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1462.6	0	34.0		1459.8	0	35.0		1457.7	0	35.0		1463.5	0	35.0	
2	1471.0	0	35.0		1462.2	0	33.0		1460.9	0	33.0		1456.8	0	33.0	
3	1465.7	0	37.0		1457.2	0	36.0		1464.2	0	36.0		1455.9	0	33.0	
4	1472.5	0			1457.7	0			1448.0	0			1457.2	0		
5	1456.4	0			1462.0	0			1459.8	0			1462.0	0		
6	1469.2	0			1463.5	0			1454.2	0			1453.1	0		
7																
8																
Summary:		Perforations: 0 (Pass) Maximum BFS: 37.0 mm				BFS Statistics: Count 12 k1: 1.568				Average: 34.6 mm St. Dev: 1.38 mm						
(Pass - No BFS greater than 44 mm)																

These compliance test results were generated by a computer program installed for the purpose of this test. The program is not intended to be used for any other purpose. Administration: Equal opportunity. Diversion contrary to U.S. law is prohibited. BAF Systems

**NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT**

Penetration and BFS Summary Data

Report Number: 09N012 Test ID: SAF09-000387 Report Date: 04/02/09
 Manufacturer: Safariland Model Designation: BA-3A000S-BR01 NIJ Armor Type: 3A

Threat 1 - Conditioned Armor
 Ammunition: .357 SIG 125/FMJ Test Velocity: 1410 ± 30 ft/s Conditioning: Dry

Shot Number	Sample 21 Size: C-5				Sample 22 Size: C-1			
	Front Panel		Back Panel		Front Panel		Back Panel	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1418.1	0	24.0		1398.3	0	26.0	
2	1429.1	0	29.0		1417.1	0	24.0	
3	1411.0	0	28.0		1382.6	0	29.0	
4	1442.9	0			1437.4	0		
5	1441.2	0			1430.7	0		
6	1445.9	0			1436.6	0		
7								
8								
Summary:				Perforations: 0 (Pass)	Perforations: 0 (Pass)			
Maximum BFS: 38.0 mm (no requirement)				Maximum BFS: 29.0 mm (no requirement)				

Threat 2 - Conditioned Armor
 Ammunition: 44 Mag 240/SJHP Test Velocity: 1340 ± 30 ft/s Conditioning: Dry

Shot Number	Sample 23 Size: C-5				Sample 24 Size: C-1			
	Front Panel		Back Panel		Front Panel		Back Panel	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1345.5	0	33.0		1338.5	0	37.0	
2				b	1355.3	0	35.0	
3	1331.4	0	33.0		1318.9	0	34.0	
4	1312.6	0	36.0		1354.4	0		
5	1339.0	0			1326.4	0		
6	1343.8	0			1339.5	0		
7	1345.07	0						
8								
Summary:				Perforations: 0 (Pass)	Perforations: 0 (Pass)			
Maximum BFS: 37.0 mm (no requirement)				Maximum BFS: 37.0 mm (no requirement)				

Overall P-BFS Summary

Perforations: 0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.6.
 Backface Signature
 Maximum BFS: 38.0 mm
 This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a

Compliance Test Report revision 354 (2006-03-09) / R version 2.7.1 (2006-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 09N012 Test ID: SAF09-000387 Report Date: 04/02/09
 Manufacturer: Safariland Model Designation: BA-3A000S-BR01 NIJ Armor Type: 3A
 Threat 1 - New Armor Test Velocity: 1470 ± 30 ft/s Conditioning: Dry
 Ammunition: .357 SIG 125/FMJ

Shot Number	Sample 11			Sample 11			Sample 12			Sample 12			Sample 13		
	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1484.2	0		1428.1	0		1466.0	0		1455.5	0		1439.7	0	
2	1563.6	0		1598.1	0		1605.2	0		1585.0	0		1583.6	0	
3	1615.5	0		1700.5	0		1667.3	0		1697.2	0		1674.3	0	
4	1723.2	0		1854.3	0		1813.6	1		1749.1	1		1769.1	0	
5	1839.0	1		1888.2	1		1719.2	0		1710.5	0		1826.9	1	
6	1764.4	0		1841.0	1		1740.9	0		1725.2	0		1782.2	0	
7	1817.2	1		1749.54	0		1817.2	0		1791.63	1		1798.55	1	
8	1773.32	0		1800.24	0		1859.93	0		1748.59	0		1787.72	1	
9	1828.4	1		1877.3	1		1881.31	1		1759.87	0		1743.32	1	
10	1744.91	0		1795.61	0		1849.78	0		1845.13	1		1704.26	0	
11	1798.6	1		1879.82	1		1899.08	1		1788.67	0		1743.96	0	
12	1738.13	0		1816.92	1		1838.61	1		1821.2	1		1730.73	0	
13															
14															
15															

Shot Number	Sample 13			Sample 14			Sample 14			Sample 15			Sample 15		
	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note	Front	Panel	Note	Back	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1	1465.9	0		1472.3	0		1403.0	0		1433.7	0		1485.3	0	
2	1590.3	0		1575.3	0		1574.8	1		1555.9	0		1555.4	0	
3	1683.2	0		1649.6	0		1493.1	0		1621.6	0		1655.0	0	
4	1740.3	0		1739.9	0		1577.8	0		1686.2	0		1738.1	0	
5	1820.5	1		1876.2	1		1578.3	0		1775.2	1		1825.0	1	
6	1775.1	1		1802.8	0		1671.5	0		1742.7	1		1745.5	0	
7	1699.26	0		1819.52	1		1686.7	0		1640.32	0		1783.32	0	
8	1746.4	1		1742.68	0		1754.54	0		1717.49	0		1831.5	1	
9	1719.82	0		1799.91	1		1773.55	1		1748.37	1		1803.25	1	
10	1741.52	0		1753.25	1		1727.34	0		1714.15	0		1731.67	0	
11	1797.88	0		1698.4	0		1762.09	0		1750.83	0		1793.03	0	
12	1849.01	1		1758.31	0		1814.79	1		1829.8	1		1814.56	1	
13															
14															
15															

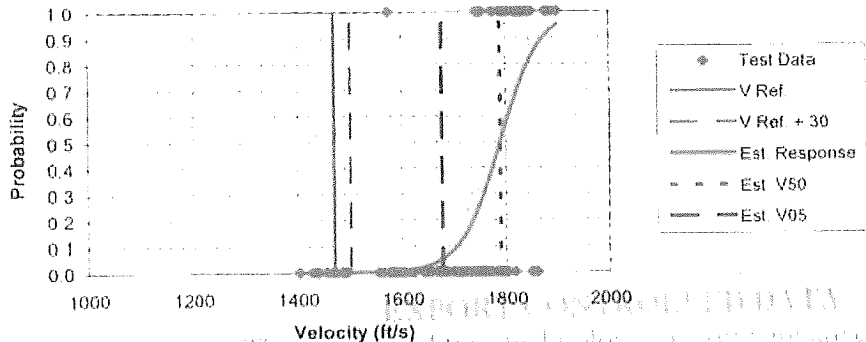
Summary: Total Usable Shots: 120 Good Perforations below 1500 ft/s: 0 Good
 Perforations (Complete Penetrations): 40 Good
 Stops (Partial Penetrations): 80 Good

Test Data and Regression Model

Regression Analysis
 Regression Model: Logistic
 Model Parameters: $\beta_0: -47.0$
 $\beta_1: 0.026$

Estimated V50: 1789 ft/s
 Estimated V05: 1677 ft/s

Probability of perforation at NIJ reference velocity (1470 ft/sec): 0.0% Good



NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 09N012 Test ID: SAF09-000387 Report Date: 04/02/09
 Manufacturer: Safariland Model Designation: BA-3A000S-BR01 NIJ Armor Type: 3A
 Threat 2 - New Armor Test Velocity: 1430 ± 30 ft/s Conditioning: Dry
 Ammunition: .44 Mag 240/SJHP

Shot Number	Sample 16			Sample 16			Sample 17			Sample 17			Sample 18		
	Front	Panel		Back	Panel		Front	Panel		Back	Panel		Front	Panel	
	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note
	(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)	
1	1442.9	0		1446.1	0		1442.9	0		1450.4	0		1462.5	0	
2	1505.7	0		1549.4	0		1548.9	0		1549.4	0		1548.7	0	
3	1568.5	0		1651.3	0		1646.9	0		1646.3	0		1648.6	0	
4	1640.0	0		1725.3	0		1749.5	1		1740.7	1		1738.5	0	
5	1710.0	1		1802.6	1		1678.7	1		1666.2	1		1833.2	1	
6	1664.4	0		1732.9	1		1590.4	0		1573.8	0		1766.5	1	
7	1703.75	1		1691.97	1		1632.37	0		1620.78	0		1714.2	0	
8	1660.24	1		1636.43	0		1667.83	1		1660.58	0		1745.22	1	
9	1625.66	0		1674.17	1		1631.26	0		1695.23	1		1706.69	1	
10	1664.78	1		1631.03	0		1665.6	0		1649.39	0		1675.83	1	
11	1630.47	0		1677.85	1		1685.6	0		1699.15	0		1594.74	0	
12	1652.48	0		1640.84	0		1737.18	0		1744.59	0		1652.15	0	
13															
14															
15															

Shot Number	Sample 18			Sample 19			Sample 19			Sample 20			Sample 20		
	Back	Panel		Front	Panel		Back	Panel		Front	Panel		Back	Panel	
	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note	Avg. Vel.	Perf	Note
	(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)		(ft/sec)	(Y=1/N=0)	
1	1441.8	0		1427.0	0		1438.9	0		1423.4	0		1406.1	0	
2	1548.2	0		1556.3	0		1536.1	0		1547.7	0		1529.3	0	
3	1640.8	0		1662.2	0		1631.8	0		1641.4	0		1631.6	0	
4	1757.1	1		1751.1	1		1732.1	1		1746.1	0		1743.0	1	
5	1683.6	1		1671.6	1		1675.0	0		1828.5	1		1681.5	1	
6	1626.7	0		1594.5	1		1711.0	1		1764.7	1		1644.4	1	
7	1693.42	1		1502.94	0		1664.78	0		1704.36	0		1556.06	0	
8	1628.57	1		1546.52	1		1705.22	1		1737.81	1		1584.73	1	
9	1572.76	0		1513.47	0		1656.45	1		1702.28	1		1526.04	0	
10	1616.48	0		1552.39	1		1608.81	0		1633.17	1		1564.26	0	
11	1666.42	0		1502.7	0		1646.07	0		1611.35	0		1631.03	0	
12	1719.66	0		1553.1	0		1706.69	0		1648.82	0		1664.44	0	
13															
14															
15															

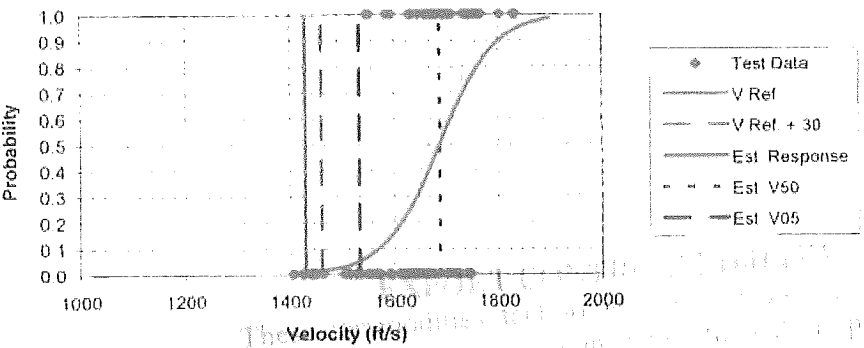
Summary: Total Usable Shots: 120 Good Perforations below 1460 ft/s: 0 Good
 Perforations (Complete Penetrations): 42 Good
 Stops (Partial Penetrations): 78 Good

Test Data and Regression Model

Regression Analysis
 Regression Model: Logistic
 Model Parameters: β_0 : -32.1
 β_1 : 0.019

 Estimated V50: 1687 ft/s
 Estimated V05: 1532 ft/s

Probability of perforation at NIJ reference velocity (1470 ft/sec): 0.7% Good



All rights reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the National Institute of Justice.

Discretionary use only. Not to be disseminated.

BAE Systems

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 09N012 Test ID: SAF09-000387 Report Date: 04/02/09
 Manufacturer: Safariland Model Designation: BA-3A000S-BR01 NIJ Armor Type: 3A

Threat 1 - Conditioned Armor

Ammunition: 357 SIG 125/FMJ
 Test Velocity: 1410 ± 30 ft/s Cond: Dry

Threat 2 - Conditioned Armor

Ammunition: 44 Mag 240/SJHP
 Test Velocity: 1340 ± 30 ft/s Cond: Dry

Shot Number	Sample 25			Sample 25		
	Front	Panel		Back	Panel	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1406.5	0		1372.0	0	
2	1484.8	0		1533.7	0	
3	1616.5	0		1613.3	0	
4	1685.5	0		1719.2	1	
5	1805.1	1		1643.8	0	
6	1726.7	0		1678.9	0	
7	1760.79	0		1722.82	0	
8	1800.87	1		1777.01	1	
9	1774.48	1		1744.22	1	
10	1710.52	0		1691.63	0	
11	1746.4	0		1748.59	0	
12	1820.5	0		1758.95	0	
13						
14						
15						

Summary:

Total Usable Shots: 24 Good
 Perforations (CP): 6
 Stops (PP): 18

 Perforations below 1440 ft/s: 0 Good

Regression Analysis

Regression Model: **Logistic**
 Model Parameters: β_0 : -50.9
 β_1 : 0.029

Estimated V50: 1773 ft/s

Shot Num	Sample 26			Sample 26		
	Front	Panel		Back	Panel	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Note
1	1331.3	0		1351.8	0	
2	1390.2	0		1448.8	0	
3	1485.5	0		1503.2	0	
4	1552.0	0		1624.3	1	
5	1632.4	0		1545.6	0	
6	1689.4	0		1573.6	0	
7	1768.34	0	Bbl. C	1612.61	0	
8	1832.96	1		1655.25	1	
9	1758.13	1		1593.6	0	
10	1697.89	1		1660.29	0	
11	1605.2	0		1691.22	1	
12	1662.27	0		1641.4	0	
13						
14						
15						

Summary:

Total Usable Shots: 24 Good
 Perforations (CP): 6
 Stops (PP): 18

 Perforations below 1370 ft/s: 0 Good

Regression Analysis

Regression Model: **Logistic**
 Model Parameters: β_0 : -33.1
 β_1 : 0.019

Estimated V50: 1701 ft/s

Overall Ballistic Limit Summary

Perforations below Vref + 30 ft/sec: 0

This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Probability of perforation at the P-BFS reference velocity

Threat 1: 0.0%
 Threat 2: 0.7%

This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Compliance Test Report revision 354 (2009-03-08) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

EXPORT CONTROLLED DATA

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



PROTECH[®]

TACTICAL

A Product of the Safariland[™] Company

TECHNICAL SPECIFICATION

RAPID RESPONSE[™]

Outer Shell	Water repellant 1000 Denier Cordura [®]
Inner Lining	420 Denier diamond rip-stop nylon
Ballistic Coverage (Standard - LG/R)	702.34 in ² of front, back, overlapping side, overlapping shoulder, and neck ballistic panel protection
Armor Panel Access	Internal panel insertion system
Plate Pocket	10" x 12" exterior, rifle plate pockets [front and back]
Closure System	Permanent 8" elastic/hook and loop side closure system
Carrier Configuration	<ul style="list-style-type: none">▪ Clean▪ Snap and Velcro[®]▪ 1-inch modular webbing system
Additional Features	<ul style="list-style-type: none">▪ Fully adjustable shoulder straps▪ Officer extraction rescue strap▪ Dual weapon retention material▪ Dual wire channel [internal]• Dual mic tabs on both shoulders▪ ID platforms [front and back hook and loop]▪ Pull down groin attachment system▪ Permanent neck protection▪ Internal cummerbund
Options	<ul style="list-style-type: none">• Detachable throat protection▪ Detachable upper arm [bicep] protection▪ Detachable femoral artery/groin protection▪ Detachable pull down groin protection▪ ID Patches [sheriff / police]▪ 10" x 12" and 6" x 6" Type III / IV rifle plates▪ PROTECH TP tactical pouches▪ Fire retardant Advanced Nomex[®] material
Sizes	S-6XL
Colors	Black, Navy, Khaki, Tactical Green, Ranger Green, Universal Camo [ACU], Digital Camo Woodland, Digital Camo Day Desert, Digital Camo Urban, Multi-Cam, A-TACS [®]



**Rapid Response™ Tactical Carrier
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the PROTECH® Rapid Response Tactical Carrier manufactured by 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. Carrier Design (Ballistic Coverage Capability):

The PROTECH® Rapid Response™, in a large/regular size, offers the wearer 702.34 in² (total area) of front, back, overlapping side, overlapping shoulder, and neck ballistic panel coverage. The ballistic panel coverage (total area) stated does not reflect larger or smaller carrier sizes and/or optional accessories. For individual optional accessory ballistic coverage total area, please refer to section five (5) of this specification.

4. Carrier Design (Functionality):

The PROTECH® Rapid Response™ has the following design features related to the functionality:

Feature(s)	Definition(s)	Benefit(s)
Internal Panel Insertion System	An internal panel insertion system that includes a horizontal Velcro® hook and loop attachment system that allows for the insertion of the armor panels from the interior of the carrier.	Provides the ability to insert / remove armor panels quickly and easily and also enables the cleaning of the carrier and armor panels separately as necessary
Dual Weapon Retention System	A weapon retention system located in both shoulder areas of the front of the carrier	Provides that ability to align the weapon comfortably, according to individual shooting positions, and retain the butt of a rifle or shotgun in all types of weather.
Modular Webbing Attachment System	A sewn on 1-inch modular webbing attachment system that covers a majority of the front and rear portions of the carrier, to include 360° circumference of the lower torso.	Provides the ability to attach a fully customizable assortment of PROTECH® Tactical TP pouches and accessories
Tactical Pouch Selection (Detachable)	A full selection of tactical pouches for most types of ammunition magazines, less lethal munitions, and miscellaneous accessories as an optional accessory.	Provides a secure means of carrying a full array of mission essential equipment and accessories, along with the ability to balance the total load across the entire tactical carrier
Snap and Velcro® Attachment System	A sewn on Snap and Velcro® attachment system that covers the majority of the front and rear portions of the carrier as an optional modular configuration	Provides the ability to attach a fully customizable assortment of Snap and Velcro® pouches and accessories

4. Carrier Design (Functionality) – continued:

Feature(s)	Definition(s)	Benefit(s)
Officer Extraction Rescue Strap	A reinforced rescue strap located in the upper back area of the rear of the carrier	Provides the ability to extract a down officer from a hostile fire environment
Radio Wire Channel	A radio wire channel allows for the mounting of a radio on the rear portion of the carrier and feeding of the microphone handset wire through a hidden channel to the front of the carrier.	Prevents the microphone handset wire from being hung-up or snagged during urban or woodland operations
Radio Microphone Tabs	A radio microphone tab available on both the right and left shoulder area of the front of the carrier that is capable of holding a wide variety of microphone handsets.	Provides the ambidextrous mounting of the microphone handset on the front of the tactical carrier within close proximity of the ears for increased communication
Identity Attachment Area (Modular Webbing Attachment w/ Velcro® Loop)	A platform on the front and back carrier for the attachment of four-inch wide identities with one-inch interlacing strips and Velcro® loop material.	Provides the flexibility of using the identity attachment area for either identities or tactical pouches
Colors and Camouflage Patterns	Available in the following colors and camouflage patterns: Black, Navy, Khaki, Tactical Green, Ranger Green, Digital Universal Camo (Army Combat Uniform), Digital Urban Camo, Digital Woodland, Digital Day Desert , Multi-Cam, A-TACS®	Provides the ability to choose between a wide variety of colors and camouflage patterns for concealment within urban and open terrain environments

5. Carrier Design (Upgradability):

The PROTECH® Rapid Response™ has the following design features related to the upgradability:

Feature(s)	Definition(s)	Benefit(s)
External Top Loading Plate Pocket (Front and Rear)	A plate pocket in the front and rear of the carrier that allows for the insertion of 10" x 12" PROTECH® special threat plates from an external, top loading orientation	Provides the ability to insert a wide variety of special threat plates that upgrades the level of protection over the center torso area of the body
Overlapping Shoulder Protection (Integrated)	An overlapping shoulder protection system that is integrated into the shoulder adjustment system of the carrier	Provides protection of the shoulder areas of the body
Neck Protection (Permanent)	A permanent neck protection in the form of a scooped collar that is fixed to the rear carrier and eliminates interference with the neck in all types of operations	Provides protection of the neck area of the body
Throat Protection (Detachable)	A detachable throat protection that offers 42.39 in ² of ballistic coverage and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the throat area of the body
Upper Arm Protection (Detachable)	A pair of detachable upper arm protection that offers 170.38 in ² of ballistic coverage (each arm) and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the upper arm areas of the body
Upper Arm Special Threat Plate Pocket	A special threat plate pocket incorporated into the upper arm protection for insertion of 6" x 6" PROTECH® mini-side special threat plates.	Provides the ability to insert special threat plates that upgrades the level of protection over the upper arm areas of the body

5. Carrier Design (Upgradability) – continued:

Feature(s)	Definition(s)	Benefit(s)
Pull Down Groin Protection (Detachable)	A detachable pull down groin protector that offers 91.19 in ² of ballistic coverage and attaches to the carrier through a Velcro [®] hook and loop attachment system as an optional accessory.	Provides protection of the groin area of the body
Enhanced Groin Protection (Detachable)	A detachable, diamond shaped, enhanced groin protector that offers 147.29 in ² of ballistic coverage and attaches to the carrier through a Velcro [®] hook and loop attachment system as an optional accessory.	Provides protection of the groin and femoral artery areas of the body

6. Carrier Design (Adjustability):

The PROTECH[®] Rapid Response[™] has the following design features related to adjustability:

Feature(s)	Definition(s)	Benefit(s)
Adjustable Shoulder Closure System (Velcro [®] Hook & Loop)	An adjustable shoulder closure system that utilizes Velcro [®] hook and loop attachment system on both the front and rear carriers	Provides the ability to adjust the shoulders from the front of the carrier, along with the ability to adapt to a wide range of chest circumferences. Allows for complete separation of the front and back portions of the carrier for expedient removable of carrier for emergencies.
Adjustable Side Closure System (Velcro [®] Hook & Loop)	An adjustable side closure system that effectively utilizes a fixed 8" wide elastic and Velcro [®] hook and loop attachment on both the front and rear carriers	Provides the ability to adjust the sides from the rear of the carrier, along with the ability to adapt to a wide range of girth circumferences. Allows for complete separation of the front and back portions of the carrier for expedient removable of carrier for emergencies.
Internal Cumberbund Retention System (Permanent)	An internal cumberbund made of a combination of elastic and Velcro [®] hook and loop material that is permanently sewn to the rear section of the carrier	Provides the ability to secure the rear portion of the carrier to the body as the front portion of the carrier secures using the adjustable side closure system.

7. Carrier Design (Durability):

The PROTECH[®] Rapid Response[™] has the following design features related to durability:

Feature(s)	Definition(s)	Benefit(s)
1,000 Denier Cordura[®] Material	A durable, abrasion resistant, cut, tear, and water resistant material used for the exterior of the carrier.	Provides a durable, water resistant material to protect the armor panels and 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. Serves as a platform for attaching a wide variety of loads through the modular webbing attachment system.
420 Denier Diamond Rip-Stop Nylon Material	A durable, lightweight, comfortable, and reinforced nylon used for the interior of the carrier.	Provides a durable material to protect the armor panels and prevents skin abrasion that allows carrier the ability to stay cool and adjust to body positions in all types of operations. Serves as a platform for attaching removable spacer mesh inserts, upper arm protection, collar and groin protection through Velcro [®] hook and loop.
Grip / Non-Skid Material	A strong, wear and abrasion resistant material offering grip and non-skid features in both wet and dry conditions.	Provides a durable reinforced area in the shoulder area of the front of the carrier for added flexibility associated with the retention of the butt of a weapon during the shouldering of a sub gun, rifle, or shotgun
High Profile Velcro[®] Hook and Loop	A durable, heavy duty fastening solution, made of woven nylon, that delivers a strong hold and removes easily when needed	Provides a secure means of attaching the tactical carrier's shoulder closure system, side closure system, optional accessories and identities

8. Availability:

Classification(s)	Current Status
Side Opening	Yes
Front Opening	No
Sizes	S – 6XL

9. Support Programs:

Classification(s)	Current Status
Warranty	12 Months
Quality Assurance Program(s)	ISO 9001 / Vest Check Program
Safety Assurance Program(s)	OHSAS 18001
Environmental Assurance Program(s)	ISO 14001
Liability Insurance	Information Available Upon Request



**Rapid Response F1™ Tactical Carrier
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the PROTECH® Rapid Response F1™ Tactical Carrier manufactured by 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. Carrier Design (Ballistic Coverage Capability):

The PROTECH® Rapid Response F1™, in a large/regular size, offers the wearer 761.33 in² (total area) of front, back, overlapping side, overlapping shoulder, and neck ballistic panel coverage. The ballistic panel coverage (total area) stated does not reflect larger or smaller carrier sizes and/or optional accessories. For individual optional accessory ballistic coverage total area, please refer to section five (5) of this specification.

4. Carrier Design (Functionality):

The PROTECH® Rapid Response F1™ has the following design features related to the functionality:

Feature(s)	Definition(s)	Benefit(s)
Front Opening Design	A front opening design that incorporates a minimum planned ballistic overlap of four inches across the full length of the zipper portion of the carrier	Provides the ability to open the carrier from the front in addition to the side closure system.
Internal Panel Insertion System	An internal panel insertion system that includes a horizontal Velcro® hook and loop attachment system that allows for the insertion of the armor panels from the interior of the carrier.	Provides the ability to insert / remove armor panels quickly and easily and also enables the cleaning of the carrier and armor panels separately as necessary
Dual Weapon Retention System	A weapon retention system located in both shoulder areas of the front of the carrier	Provides that ability to align the weapon comfortably, according to individual shooting positions, and retain the butt of a rifle or shotgun in all types of weather.
Modular Webbing Attachment System	A sewn on 1-inch modular webbing attachment system that covers a majority of the front and rear portions of the carrier, to include 360° circumference of the lower torso.	Provides the ability to attach a fully customizable assortment of PROTECH® Tactical TP pouches and accessories
Tactical Pouch Selection (Detachable)	A full selection of tactical pouches for most types of ammunition magazines, less lethal munitions, and miscellaneous accessories as an optional accessory.	Provides a secure means of carrying a full array of mission essential equipment and accessories, along with the ability to balance the total load across the entire tactical carrier

4. Carrier Design (Functionality) – continued:

Feature(s)	Definition(s)	Benefit(s)
Snap and Velcro® Attachment System	A sewn on Snap and Velcro® attachment system that covers the majority of the front and rear portions of the carrier as an optional modular configuration	Provides the ability to attach a fully customizable assortment of Snap and Velcro® pouches and accessories
Officer Extraction Rescue Strap	A reinforced rescue strap located in the upper back area of the rear of the carrier	Provides the ability to extract a down officer from a hostile fire environment
Radio Wire Channel	A radio wire channel allows for the mounting of a radio on the rear portion of the carrier and feeding of the microphone handset wire through a hidden channel to the front of the carrier.	Prevents the microphone handset wire from being hung-up or snagged during urban or woodland operations
Radio Microphone Tabs	A radio microphone tab available on both the right and left shoulder area of the front of the carrier that is capable of holding a wide variety of microphone handsets.	Provides the ambidextrous mounting of the microphone handset on the front of the tactical carrier within close proximity of the ears for increased communication
Identity Attachment Area (Modular Webbing Attachment w/ Velcro® Loop)	A platform on the front and back carrier for the attachment of four-inch wide identities with one-inch interlacing strips and Velcro® loop material.	Provides the flexibility of using the identity attachment area for either identities or tactical pouches
Colors and Camouflage Patterns	Available in the following colors and camouflage patterns: Black, Navy, Khaki, Tactical Green, Ranger Green, Digital Universal Camo (Army Combat Uniform), Digital Urban Camo, Digital Woodland, Digital Day Desert , Multi-Cam, A-TACS®	Provides the ability to choose between a wide variety of colors and camouflage patterns for concealment within urban and open terrain environments

5. Carrier Design (Upgradability):

The PROTECH® Rapid Response F1™ has the following design features related to the upgradability:

Feature(s)	Definition(s)	Benefit(s)
Internal Side Loading Plate Pocket (Front only)	A plate pocket in the front of the carrier that allows for the insertion of a 10" x 12" PROTECH® special threat plates from an internal, side loading orientation	Provides the ability to insert a wide variety of special threat plates that upgrades the level of protection over the center torso area of the body
External Top Loading Plate Pocket (Rear only)	A plate pocket in the rear of the carrier that allows for the insertion of a 10" x 12" PROTECH® special threat plates from an external, top loading orientation	Provides the ability to insert a wide variety of special threat plates that upgrades the level of protection over the center torso area of the body
Overlapping Shoulder Protection (Integrated)	An overlapping shoulder protection system that is integrated into the shoulder adjustment system of the carrier	Provides protection of the shoulder areas of the body
Neck Protection (Permanent)	A permanent neck protection in the form of a scooped collar that is fixed to the rear carrier and eliminates interference with the neck in all types of operations	Provides protection of the neck area of the body
Throat Protection (Detachable)	A detachable throat protection that offers 38.51 in ² of ballistic coverage and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the throat area of the body
Upper Arm Protection (Detachable)	A pair of detachable upper arm protection that offers 170.38 in ² of ballistic coverage (each arm) and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the upper arm areas of the body

5. Carrier Design (Upgradability) – continued:

Feature(s)	Definition(s)	Benefit(s)
Upper Arm Special Threat Plate Pocket	A special threat plate pocket incorporated into the upper arm protection for insertion of 6" x 6" PROTECH® mini-side special threat plates.	Provides the ability to insert special threat plates that upgrades the level of protection over the upper arm areas of the body
Fold Down Groin Protection (Detachable)	A detachable fold down groin protector that offers 91.19 in ² of ballistic coverage and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the groin area of the body
Enhanced Groin Protection (Detachable)	A detachable, diamond shaped, enhanced groin protector that offers 147.29 in ² of ballistic coverage and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the groin and femoral artery areas of the body

6. Carrier Design (Adjustability):

The PROTECH® Rapid Response F1™ has the following design features related to adjustability:

Feature(s)	Definition(s)	Benefit(s)
Adjustable Shoulder Closure System (Velcro® Hook & Loop)	An adjustable shoulder closure system that utilizes Velcro® hook and loop attachment system on both the front and rear carriers	Provides the ability to adjust the shoulders from the front of the carrier, along with the ability to adapt to a wide range of chest circumferences. Allows for complete separation of the front and back portions of the carrier for expedient removable of carrier for emergencies.
Adjustable Side Closure System (Velcro® Hook & Loop)	An adjustable side closure system that effectively utilizes a fixed 8" wide elastic and Velcro® hook and loop attachment on both the front and rear carriers	Provides the ability to adjust the sides from the rear of the carrier, along with the ability to adapt to a wide range of girth circumferences. Allows for complete separation of the front and back portions of the carrier for expedient removable of carrier for emergencies.
Internal Cummerbund Retention System (Permanent)	An internal cummerbund made of a combination of elastic and Velcro® hook and loop material that is permanently sewn to the rear section of the carrier	Provides the ability to secure the rear portion of the carrier to the body as the front portion of the carrier secures using the adjustable side closure system.

7. Carrier Design (Durability):

The PROTECH® Rapid Response F1™ has the following design features related to durability:

Feature(s)	Definition(s)	Benefit(s)
1,000 Denier Cordura® Material	A durable, abrasion resistant, cut, tear, and water resistant material used for the exterior of the carrier.	Provides a durable, water resistant material to protect the armor panels and 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. Serves as a platform for attaching a wide variety of loads through the modular webbing attachment system.
420 Denier Diamond Rip-Stop Nylon Material	A durable, lightweight, comfortable, and reinforced nylon used for the interior of the carrier.	Provides a durable material to protect the armor panels and prevents skin abrasion that allows carrier the ability to stay cool and adjust to body positions in all types of operations. Serves as a platform for attaching removable spacer mesh inserts, upper arm protection, collar and groin protection through Velcro® hook and loop.

7. Carrier Design (Durability) – continued:

Feature(s)	Definition(s)	Benefit(s)
Grip / Non-Skid Material	A strong, wear and abrasion resistant material offering grip and non-skid features in both wet and dry conditions.	Provides a durable reinforced area in the shoulder area of the front of the carrier for added flexibility associated with the retention of the butt of a weapon during the shouldering of a sub gun, rifle, or shotgun
High Profile Velcro[®] Hook and Loop	A durable, heavy duty fastening solution, made of woven nylon, that delivers a strong hold and removes easily when needed	Provides a secure means of attaching the tactical carrier's shoulder closure system, side closure system, optional accessories and identities

8. Availability:

Classification(s)	Current Status
Side Opening	No
Front Opening	Yes
Sizes	S – 6XL

9. Support Programs:

Classification(s)	Current Status
Warranty	12 Months
Quality Assurance Program(s)	ISO 9001 / Vest Check Program
Safety Assurance Program(s)	OHSAS 18001
Environmental Assurance Program(s)	ISO 14001
Liability Insurance	Information Available Upon Request



PROTECH[®]

TACTICAL

A Product of the Safariland[™] Company

TECHNICAL SPECIFICATION

RIFLE PLATE – 2120-5

Test Standard	NIJ: 0101.06
Model	NIJ: 2120-5
Threat Type	Type III; Stand-Alone
Number of Impacts	6 Hits
Test Round	7.62 x 51 mm, 147gr., FMJ [NATO]
Cut	Shooters
Curvature	Multi
Ballistic Material	Ceramic / Polyethylene / Fiberglass
Cover Material	1000-Denier Cordura®
Thickness [inches]	0.95 (approx.)
Weight [pounds]	5.8 (approx.)
Size [inches]	10" x 12" (approx.)
Additional Special Type Testing	
Threat Independently Tested	<ul style="list-style-type: none">▪ 7.62 mm x 51 mm 180 gr. PSP – 3 Impacts▪ 7.62 mm x 54R mm 150 gr. LPS – 3 Impacts▪ 7.62 mm x 39 mm 123 gr. MSC – 6 Impacts▪ 5.56 mm x 45 mm 62 gr. [M855] [SS109] – 6 Impacts▪ 5.56 mm x 45 mm 62 gr. Bonded SP – 6 Impacts



**2120-5 Rifle Plate
Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the PROTECH® 2120-5 Rifle Plate manufactured by Safariland™.

2. Research, Development, and Manufacturing:

The manufacturer (Safariland™) of the rifle plate solely performs the research, development, and manufacturing capabilities described below. Other manufacturers of rifle 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® 2120-5 Rifle Plate measures 10" x 12" in size, is 0.95" thick, weighs 5.8 pounds, and offers 120 in² (total area) of ballistic coverage. All numeric figures listed in the previous sentence are approximate.

4. Plate Design (Material Construction):

The PROTECH® 2120-5 Rifle Plate has the following design features related to material construction:

Feature(s)	Definition(s)	Benefit(s)
Hybrid Technology	The use of multiple types of ballistic, 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
Ceramic, Polyethylene, Fiberglass Materials	A ceramic, polyethylene, and fiberglass composite of materials used as the primary ballistic elements of the rifle plate	Provides excellent ballistic (rifle) resistance properties during impact (energy absorption) and after the ballistic engagement (energy dispersion/back face deformation reduction)
1,000 Denier Cordura® Outer Cover Material	A durable, abrasion resistant, cut, tear, and water resistant material used for the exterior outer cover of the rifle 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® 2120-5 Rifle Plate has the following design features related to shape:

Feature(s)	Definition(s)	Benefit(s)
Military Style Shooter's Cut	An aggressive, military-style, steep angled cut into both top corners of the rifle plate that is more significant than typical slightly clipped corners	Provides increased mobility and range of motion to the wearer's arms when situated in a shooting stance or shouldering the butt of a rifle.

4. Plate Design (Shape) – continued:

Feature(s)	Definition(s)	Benefit(s)
Multi-Curvature	The combination of a 14-degree left to right curvature radius with each of the four corners of the plate also making identical additional curves toward the wearer's body.	Provides a more natural, comfortable fit to the wearer's body

5. Plate Design (Ballistic Performance):

The PROTECH® 2120-5 Rifle Plate has the following performance characteristics as documented through a combination of NIJ 0101.06 (ballistic resistance of body armor) compliance testing summary reports, Independent NIJ 0101.06 laboratory testing reports, and internal Safariland ballistic laboratory testing reports:

Feature(s)	Data
Threat Type	III
7.62mm 147gr. FMJ (NATO) (M80)	6 Impacts
Additional Independent NIJ 0101.06 Laboratory Special Threat Testing	Data
7.62 x 51mm 180gr. PSP (300 Winchester Mag)	3 Impacts
7.62 x 54Rmm 150gr. LPS	3 Impacts
7.62 x 39mm 123gr. MSC (Mild Steel Core)	6 Impacts
5.56 x 45mm 62gr. (M855) (SS109)	6 Impacts
5.56 x 45mm 62gr. Bonded SP	6 Impacts

6. Support Programs:

Classification(s)	Current Status
Ballistic Warranty	5 Years
Workmanship Warranty	1 Year
Quality Assurance Program(s)	ISO 9001
Safety Assurance Program(s)	OHSAS 18001
Environmental Assurance Program(s)	ISO 14001
Liability Insurance	Information Available Upon Request



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

December 9, 2009

Scott O'Brien
President
Safariland, LLC
3120 East Mission Blvd
Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06
Body Armor Model Designation: 2120-5
NIJ Compliance Status Expires: December 9, 2014

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard-0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the *NIJ Body Armor Compliance Testing Program Administrative Manual* and the *Ballistic Body Armor Applicant Package*, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

Debra Stoe
Physical Scientist
National Institute of Justice

This is Revision Number: 354

Revision Date: 3/9/2009

**Document Status: Official NIJ-Approved Test Laboratory Compliance Testing Report (CTR)
Do not modify this document. If problems or issues with this CTR are disco**

EXPORT CONTROLLED DATA.

This document contains technical information whose export is governed by the U.S. International Traffic in Arms Regulations (ITAR).
This information must not be transferred to a foreign person/entity without proper authorization of the U.S. Government.
Violations may result in administrative, civil or criminal penalties.

vered please contact the CTP so they can be resolved.

EXPORT CONTROLLED DATA.

This document contains technical information whose export is governed by the U.S. International Traffic in Arms Regulations (ITAR).
This information must not be transferred to a foreign person/entity without proper authorization of the U.S. Government.
Violations may result in administrative, civil or criminal penalties.

GENERAL INSTRUCTIONS:

1. These worksheets are intended as a method of recording and documenting ballistic test results from tests performed to the requirements of NIJ Standard-0101.06 for body armor models that will be part of the NIJ body armor conformity testing program.
2. In general, gray shaded cells are intended to be filled in by the test laboratory. All other cells are automatic calculations and should not be changed. Some shaded cells will fill in automatically; however, these cells may be manually filled in when necessary.
3. Many of the worksheets have their own instructions at the top of the sheet.
4. To fully utilize these spreadsheets, the R statistical package and the RExcel statistics connector will need to be installed on the computer where this spreadsheet is used. These packages are not necessary for running a test or inputting data, but the ballistic limit summary ("BL Summary" worksheet) will not be completely calculated unless these packages are properly installed. Detailed instructions for obtaining and installing these packages is provided in the worksheet "Stats Install Instructions".
5. The laboratory may choose to modify the print header on the data and summary pages to include their name, logo, and applicable accreditation information.
6. The worksheet "Laboratory and Armor" should be filled in with the details of the test configuration and armor model.
7. The worksheet "Sample Information" should be filled in with the details of the individual armor samples that will be tested as part of the conformity test.
8. The worksheet "Handloads" can be used to record handload development data for each of the P-BFS test rounds. This worksheet is optional.
9. The worksheets "P-BFS..." are intended for recording the test results from each P-BFS sample. These worksheets are initially all identical. Many of the cells that fill in automatically are filled in based on the name of the worksheet. When necessary, these sheets may be deleted and replaced by copying the worksheet "P-BFS Spare" and renaming the new copy. The name of each P-BFS sheet has the following form:
P-BFS <Condition> T<Threat Number> S<Sample Number>
Where:
<Condition> is either "New" for as manufactured sampled or "Cond" for environmental conditioned samples.
<Threat Number> is the test round number from Table 4 in NIJ-0101.06.
<Sample Number> is the armor sample number as listed in the "Sample Information" worksheet. This number should always be listed as a two digit number, i.e. "02" instead of "2", in the worksheet name.
10. The worksheets "BL..." are intended for recording the test results from each ballistic limit sample. These worksheets are initially all identical. Many of the cells that fill in automatically are filled in based on the name of the worksheet. When necessary, these sheets may be deleted and replaced by copying the worksheet "BL Spare" and renaming the new copy. The name of each BL sheet has the following form:
BL <Condition> T<Threat Number> S<Sample Number>
Where:
<Condition> is either "New" for as manufactured sampled or "Cond" for environmental conditioned samples.
<Threat Number> is the test round number from Table 4 in NIJ-0101.06.
<Sample Number> is the armor sample number as listed in the "Sample Information" worksheet. This number should always be listed as a two digit number, i.e. "02" instead of "2", in the worksheet name.
11. The worksheets "P-BFS Summary" and "BL Summary" are automatically generated summaries of the respective test results. No input is required on this sheet, but these sheets will indicate whether the armor model meets the performance requirements of NIJ-0101.06.

INSTRUCTIONS FOR INSTALLING R AND THE REXCEL STATISTICS CONNECTOR:

Requirements:

The ballistic limit summary worksheet in this spreadsheet requires the "R" statistics package and the "Rexcel" statistics connector for calculating the logistic regression, the V50, and the V05 response.

To use this spreadsheets you will need to have the following software installed:

Microsoft Excel (version 2002 or newer).

The R statistical analysis package (version 2.2.1 or newer).

The R(D)com server (version 2.01 or newer).

The RExcel add-in for MS Excel (version 1.50 or newer).

The R statistical package, R(D)com server, and RExcel are all free software licensed under variants of the GNU General Public License (GPL). These packages should accompany this document, or they may be downloaded from the following locations:

R is available from <http://www.r-project.org/>

Specifically, the current version (2.8.1) can be downloaded from:

<http://cran.cnr.berkeley.edu/bin/windows/base/R-2.8.1-win32.exe>

<http://cran.cnr.berkeley.edu/bin/windows/base/README.R-2.8.1>

R(D)Com and Rexcel are available at:

<http://sunsite.univie.ac.at/rcom/download/current/>

Specifically, the current versions can be downloaded from:

http://sunsite.univie.ac.at/rcom/download/current/RSrv250_pl1.exe

or:

<http://sunsite.univie.ac.at/rcom/download/current/RSrv250S.zip>

(Note that RExcel is included in RSrv250_pl1.exe)

Additional information about R(D)Com and Rexcel is available from:

<http://sunsite.univie.ac.at/rcom/>

Installation:

1. Install Microsoft Excel, if it is not already installed on the computer.
2. Install R by running R-2.7.1-win32.exe (or a newer version). Accept the default installation options.
3. Install the R(D)Com server and RExcel by running RSrv250_pl1.exe (or a newer version). Again, accept the default installation options.

Test the installation by starting Excel and selecting "RExcel" on the main menu (If the RExcel add-in is properly installed, the RExcel menu item should appear between "Window" and "Help" on the Excel menu bar). Select "Demo Worksheets" and "Interactive Graphics". The demo spreadsheet should load and automatically generate a chart titled "A Test", which can be changed and regenerated by adjusting the sliders in the spreadsheet.

When R and RExcel are properly installed, this spreadsheet will automatically calculate the logistic response curve, V50, and V05 for a set of ballistic limit test data. In addition, the installed versions of R and Excel will appear on both the "Laboratory and Armor" and "BL Summary" worksheets.

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

COMPLIANCE TESTING INFORMATION

FACILITY DESCRIPTION:

Test Laboratory: H.P. WHITE LABORATORY Report Number: 11137-06A
Test Start Date: 05/14/09 Report Date: 05/15/09
End Date: 05/14/09

TESTING CERTIFICATION:

Laboratory Representative: B.SHAFFER/L.CHESS/C.BALL
Witnessed by: AL LAFONTAINE Name
SAFARILAND Representing
& witnessed by: NA Name
NA Representing

RANGE INFORMATION:

Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Velocity Measurement Units: TIME
Chronographs will report the time of flight.
Data should be entered in $\mu s (10^{-6} s)$.

ARMOR DESCRIPTION:

Manufacturer: SAFARILAND, LLC. Test ID: SAF09-000463
Date Rec'd: 04/28/09 Style: NA
*Ballistic Material: HYBRID Model Designation: 2120-5

Armor Style: PLATE
NIJ Armor Type: 3

*Ballistic Material Choices

<u>Aramid</u>	<u>PBO</u>	<u>Ceramic</u>	<u>Metal</u>
<u>Polyethylen</u>	<u>Hybrid</u>	<u>Composite</u>	<u>Other</u>

ARMOR CONSTRUCTION:

Front Panel

Rear Panel

Front Closure (Y/N): N

N

Removable Carrier (Y/N): N

N

Number of Layers:

Description of Stitching:

Individual Layer Description:

REMARKS:

#NAME?

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Sample Information and Description

Armors in "As-New" Condition

SAMPLE DESCRIPTION	Sample 1		Sample 2		Sample 3		Sample 4		Sample 5		Sample 6		Sample 7		Sample 8		Sample 9		Sample 10			
	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back		
Size: Panel Serial Number: Plate Serial Number: Lot Number: Gross Weight (lb.):	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA
TEST DESCRIPTION	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm
Threat Ammunition: Bullet (grain/type): Test Velocity (ft/s): Angle at Location #4:	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ
THREAT DESCRIPTION	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI
Bullet Manufacturer: Bullet Lot/Product Number: Test Barrel Manufacturer: Test Barrel Length (in):	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0

SAMPLE DESCRIPTION	Sample 11		Sample 12		Sample 13		Sample 14		Sample 15		Sample 16		Sample 17		Sample 18		Sample 19		Sample 20			
	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back		
Size: Panel Serial Number: Plate Serial Number: Lot Number: Gross Weight (lb.):	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA	10 x 12	NA
TEST DESCRIPTION	Dry	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm	Wet	7.62mm
Threat Ammunition: Bullet (grain/type): Test Starting Velocity (ft/s): Shots on Panel:	6	147/FMJ	6	147/FMJ	6	147/FMJ	6	147/FMJ	6	147/FMJ	6	147/FMJ	6	147/FMJ	6	147/FMJ	6	147/FMJ	6	147/FMJ	6	147/FMJ
THREAT DESCRIPTION	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI
Bullet Manufacturer: Bullet Lot/Product Number: Test Barrel Manufacturer: Test Barrel Length (in):	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0

Environmental Conditioned Armors

SAMPLE DESCRIPTION	Sample 21		Sample 22		Sample 23		Sample 24		Sample 25		Sample 26		Sample 27		Sample 28		Sample 29		Sample 30			
	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back		
Size: Panel Serial Number: Plate Serial Number: Lot Number: Gross Weight (lb.):	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm	Dry	7.62mm
TEST DESCRIPTION	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ	0	147/FMJ
Threat Ammunition: Bullet (grain/type): Test Velocity (ft/s): Angle at Loc #4/Shots on Panel:	0	2780	0	2780	0	2780	0	2780	0	2780	0	2780	0	2780	0	2780	0	2780	0	2780	0	2780
THREAT DESCRIPTION	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI	WRA-67	HPWLI
Bullet Manufacturer: Bullet Lot/Product Number: Test Barrel Manufacturer: Test Barrel Length (in):	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: 05/14/09

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
Test ID: SAF09-000463 Test Velocity: 2780 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 1 Front Panel

Panel Serial No: NA Plate Serial No: 18

PRE-TEST CLAY VALIDATION:

Block ID: R1B1
Time of Day: 9:50 HH:mm
Clay Temperature: 99.3 F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
	19	19	19	20	19	19.2
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						Pass: Yes

TEST CONDITIONS:

	Start		End		Armor Submersion		Firing Sequence		
Ambient Temp:	<u>69</u>	<u>69</u>	F	Start:	<u>9:12</u>	HH:mm	Start:	<u>9:57</u>	HH:mm
Rel. Humidity:	<u>52</u>	<u>69</u>	%	End:	<u>9:42</u>	HH:mm	End:	<u>10:05</u>	HH:mm
				Duration:	<u>30</u>	min	Duration:	<u>8</u>	min

FRONT PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	1817	2752	1820	2747	2750	0°	Y	0		35	
2	1803	2773	1807	2767	2770	0°	Y	0		32	
3	1788	2796	1791	2792	2794	0°	Y	0			
4	1782	2806	1785	2801	2803	0°	Y	0			
5	1797	2782	1800	2778	2780	Not Define	Y	0			
6	1800	2778	1806	2769	2773	0°	Y	0			
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
						-
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						Pass: -

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: 05/14/09

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
Test ID: SAF09-000463 Test Velocity: 2780 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 1 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp:	_____ F	_____ F	Start: _____ HH:mm	Start: _____ HH:mm
Rel. Humidity:	_____ %	_____ %	End: _____ HH:mm	End: _____ HH:mm
			Duration: _____ min	Duration: _____ min

BACK PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: 05/14/09

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
Test ID: SAF09-000463 Test Velocity: 2780 \pm 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 2 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp:	_____ F	_____ F	Start: _____ HH:mm	Start: _____ HH:mm
Rel. Humidity:	_____ %	_____ %	End: _____ HH:mm	End: _____ HH:mm
			Duration: _____ min	Duration: _____ min

BACK PANEL											
Shot No.	Time 1 (μ s)	Vel. 1 (ft/s)	Time 2 (μ s)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: 05/14/09

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ

Test ID: SAF09-000463 Test Velocity: 2780 ± 30 ft/s

NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 3 Front Panel

Panel Serial No: NA Plate Serial No: 16

PRE-TEST CLAY VALIDATION:

Block ID: R1B2
Time of Day: 10:43 HH:mm
Clay Temperature: 100.1 F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
	20	19	18	19	18	18.8
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass:						Yes

TEST CONDITIONS:

		Armor Submersion		Firing Sequence	
	Start	End	Start	End	Duration
Ambient Temp:	<u>69</u>	<u>69</u>	<u>10:05</u>	<u>10:50</u>	<u>7</u>
Rel. Humidity:	<u>60</u>	<u>62</u>	<u>10:35</u>	<u>10:57</u>	<u>30</u>
			<u>30</u>	<u>7</u>	<u>min</u>

FRONT PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	1798	2781	1804	2772	2776	0°	Y	0		37	
2	1800	2778	1803	2773	2775	0°	Y	0		35	
3	1803	2773	1808	2765	2769	0°	Y	0			
4	1805	2770	1811	2761	2765	0°	Y	0			
5	1791	2792	1789	2795	2793	Not Define	Y	0			
6	1785	2801	1790	2793	2797	0°	Y	0			
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass:						-

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: 05/14/09

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
Test ID: SAF09-000463 Test Velocity: 2780 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 3 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

Start End
Ambient Temp: _____ F
Rel. Humidity: _____ %

Armor Submersion
Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Firing Sequence
Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

BACK PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: 05/14/09

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
Test ID: SAF09-000463 Test Velocity: 2780 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 4
Front Panel

Panel Serial No: NA Plate Serial No: 15

PRE-TEST CLAY VALIDATION:

Block ID: R1B2
Time of Day: 11:02 HH:mm
Clay Temperature: 99.3 F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
	22	22	18	17	17	19.2
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						Pass: Yes

TEST CONDITIONS:

Start End
Ambient Temp: 69 69 F
Rel. Humidity: 63 65 %

Armor Submersion
Start: 10:27 HH:mm
End: 10:57 HH:mm
Duration: 30 min

Firing Sequence
Start: 11:08 HH:mm
End: 11:17 HH:mm
Duration: 9 min

FRONT PANEL											
Shot No.	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	1798	2781	1805	2770	2775	0°	Y	0		37	
2	1775	2817	1778	2812	2815	0°	Y	0		36	
3	1789	2795	1795	2786	2790	0°	Y	0			
4	1787	2798	1794	2787	2793	0°	Y	0			
5	1802	2775	1806	2769	2772	ot Define	Y	0			
6	1808	2765	1815	2755	2760	0°	Y	0			
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: R1B2
Time of Day: 11:20 HH:mm
Clay Temperature: 97.3 F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
	20	18	17	17	18	18.0
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						Pass: Yes

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: 05/15/09

Manufacturer: SAFARILAND, LLC. Ammunition: _____
Test ID: SAF09-000463 Test Velocity: _____ ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 5 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start		End		Armor Submersion		Firing Sequence	
Ambient Temp:	_____	F	Start:	_____	HH:mm	Start:	_____	HH:mm
Rel. Humidity:	_____	%	End:	_____	HH:mm	End:	_____	HH:mm
			Duration:	_____	min	Duration:	_____	min

FRONT PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____
Test ID: SAF09-000463 Test Velocity: _____ ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 5 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start		End		Armor Submersion		Firing Sequence	
Ambient Temp:	_____	F	Start:	_____	HH:mm	Start:	_____	HH:mm
Rel. Humidity:	_____	%	End:	_____	HH:mm	End:	_____	HH:mm
			Duration:	_____	min	Duration:	_____	min

BACK PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____
Test ID: SAF09-000463 Test Velocity: _____ ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 6 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp: _____ F	Start: _____ HH:mm	End: _____ HH:mm	Start: _____ HH:mm	End: _____ HH:mm
Rel. Humidity: _____ %	End: _____ HH:mm	Duration: _____ min	End: _____ HH:mm	Duration: _____ min

FRONT PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____
Test ID: SAF09-000463 Test Velocity: _____ ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 6 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start		End		Armor Submersion		Firing Sequence	
Ambient Temp:	_____	F	Start:	_____	HH:mm	Start:	_____	HH:mm
Rel. Humidity:	_____	%	End:	_____	HH:mm	End:	_____	HH:mm
			Duration:	_____	min	Duration:	_____	min

BACK PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____
Test ID: SAF09-000463 Test Velocity: _____ ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: _____ ft. Velocity 1: _____ ft.
Velocity 2: _____ ft.

Sample 7 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp: _____ F	Start: _____ HH:mm	End: _____ HH:mm	Start: _____ HH:mm	End: _____ HH:mm
Rel. Humidity: _____ %	Duration: _____ min	Duration: _____ min	Duration: _____ min	Duration: _____ min

FRONT PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____
Test ID: SAF09-000463 Test Velocity: _____ ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: _____ ft. Velocity 1: _____ ft.
Velocity 2: _____ ft.

Sample 8 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start		End		Armor Submersion	Start		End		Firing Sequence	
Ambient Temp:	_____	F	Start:	_____	HH:mm	Start:	_____	HH:mm	End:	_____	HH:mm
Rel. Humidity:	_____	%	End:	_____	HH:mm	End:	_____	HH:mm	Duration:	_____	min
			Duration:	_____	min	Duration:	_____	min			

FRONT PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____
Test ID: SAF09-000463 Test Velocity: _____ ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Wet

TEST DIMENSIONS: Range Length: _____ ft. Velocity 1: _____ ft.
Velocity 2: _____ ft.

Sample 8 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp:	_____ F	_____ F	Start: _____ HH:mm	Start: _____ HH:mm
Rel. Humidity:	_____ %	_____ %	End: _____ HH:mm	End: _____ HH:mm
			Duration: _____ min	Duration: _____ min

BACK PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: 05/14/09

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: Dry

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.

Velocity 2: 5.00 ft.

Sample 11 Front Panel

Panel Serial No: NA Plate Serial No: 14

PRE-TEST CLAY VALIDATION:

Block ID: R1V50

Time of Day: 1:20 HH:mm

Temperature: 100.4 F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
	21	21	21	22	20	21.0
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: Yes

TEST CONDITIONS:

Ambient Temp: 70 F

Rel. Humidity: 66 %

Firing Sequence

Start: 1:27 HH:mm

End: 1:37 HH:mm

Duration: 10 min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1	73.0	1773	2820	1778	2812	2816		X	N	
2	75.0	1748	2860	1749	2859	2860		X	N	
3	80.0	1584	3157	1588	3149	3153		X	N	
4	83.5	1522	3285	1526	3277	3281		X	N	
5	87.0	1458	3429	1459	3427	3428	X		N	(b)
6	86.0	1482	3374	1484	3369	3372		X	N	(a)
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 6 1 5 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____
 Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
 Test ID: SAF09-000463
 NIJ Armor Type: 3 Conditioning: WET
 TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
 Velocity 2: 5.00 ft.

Sample 14 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
 Time of Day: _____ HH:mm
 Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
 Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
 End: _____ HH:mm
 Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.

Velocity 2: 5.00 ft.

Sample 15 Front Panel

Panel Serial No: NA Plate Serial No: 10

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front											
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks	
							Perf (CP)	Stop (PP)			
1			0		0						
2			0		0						
3			0		0						
4			0		0						
5			0		0						
6			0		0						
7			0		0						
8			0		0						
9			0		0						
10			0		0						
11			0		0						
12			0		0						
13			0		0						
14			0		0						
15			0		0						

Count: 0 0 0 0

Remarks:

- a - Too close to edge b - Too close to prior impact c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 16 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

- a - Too close to edge
- b - Too close to prior impact
- c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.

Velocity 2: 5.00 ft.

Sample 16
Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____

Time of Day: _____ HH:mm

Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

Ambient Temp: _____ F

Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm

End: _____ HH:mm

Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 17 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

**NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT**

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____
 Manufacturer: SAFARILAND, LLC. Ammunition: _____
 Test ID: SAF09-000463
 NIJ Armor Type: 3 Conditioning: WET
 TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
 Velocity 2: 5.00 ft.

**Sample 17
Back Panel**

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
 Time of Day: _____ HH:mm
 Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
 Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
 End: _____ HH:mm
 Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 18 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 18
Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 19 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

- a - Too close to edge b - Too close to prior impact c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 19 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: _____

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 20 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μ s)	Vel. 1 (ft/s)	Time 2 (μ s)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC.
Test ID: SAF09-000463

Ammunition: _____

NIJ Armor Type: 3

Conditioning: WET

TEST DIMENSIONS: Range Length: 50.30 ft.

Velocity 1: 5.00 ft.

Velocity 2: 5.00 ft.

Sample 20
Back Panel

Panel Serial No: Not Yet Defined

Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____

Time of Day: _____ HH:mm

Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F

Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm

End: _____ HH:mm

Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - Conditioned Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
Test ID: SAF09-000463 Test Velocity: 2780 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Dry

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 21 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp: _____ F	Start: _____ HH:mm	End: _____ HH:mm	Start: _____ HH:mm	End: _____ HH:mm
Rel. Humidity: _____ %	End: _____ HH:mm	Duration: _____ min	Duration: _____ min	Duration: _____ min

FRONT PANEL											
Shot No.	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - Conditioned Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
Test ID: SAF09-000463 Test Velocity: 2780 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Dry

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 22 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp: _____ F	Start: _____ HH:mm	End: _____ HH:mm	Start: _____ HH:mm	End: _____ HH:mm
Rel. Humidity: _____ %	End: _____ HH:mm	Duration: _____ min	End: _____ HH:mm	Duration: _____ min

FRONT PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - Conditioned Armor - Threat 1

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: 7.62mm 147/FMJ
Test ID: SAF09-000463 Test Velocity: 2780 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Dry

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 22 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start		End		Armor Submersion	Firing Sequence	
Ambient Temp: _____ F					Start: _____ HH:mm		Start: _____ HH:mm
Rel. Humidity: _____ %					End: _____ HH:mm		End: _____ HH:mm
					Duration: _____ min		Duration: _____ min

BACK PANEL											
Shot No.	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - Conditioned Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: 0 0
Test ID: SAF09-000463 Test Velocity: 0 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Dry

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 23
Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp:	_____ F	_____ F	Start: _____ HH:mm	Start: _____ HH:mm
Rel. Humidity:	_____ %	_____ %	End: _____ HH:mm	End: _____ HH:mm
			Duration: _____ min	Duration: _____ min

BACK PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - Conditioned Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: 0 0
Test ID: SAF09-000463 Test Velocity: 0 ± 30 ft/s
NIJ Armor Type: 3 Conditioning: Dry

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 24 Front Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp: _____ F	Start: _____ HH:mm	End: _____ HH:mm	Start: _____ HH:mm	End: _____ HH:mm
Rel. Humidity: _____ %	Duration: _____ min	Duration: _____ min	Duration: _____ min	Duration: _____ min

FRONT PANEL											
Shot No.	Time 1 (μ s)	Vel. 1 (ft/s)	Time 2 (μ s)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - Conditioned Armor - Threat 2

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: 0 0
Test ID: SAF09-000463 Test Velocity: 0 \pm 30 ft/s
NIJ Armor Type: 3 Conditioning: Dry

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample 24 Back Panel

Panel Serial No: Not Yet Defined Plate Serial No: Not Yet Defined

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 \pm 3 mm, Average: 19 \pm 2 mm						
Pass: -						

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp: _____ F	Start: _____ HH:mm	End: _____ HH:mm	Start: _____ HH:mm	End: _____ HH:mm
Rel. Humidity: _____ %	End: _____ HH:mm	Duration: _____ min	End: _____ HH:mm	Duration: _____ min

BACK PANEL											
Shot No.	Time 1 (μ s)	Vel. 1 (ft/s)	Time 2 (μ s)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		0°					
5		0		0		ot Defined					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 \pm 3 mm, Average: 19 \pm 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Summary Data

Report Number: 11137-06A Test ID: SAF09-000463 Report Date: 05/15/09
 Manufacturer: SAFARILAND, LLC. Model Designation: 2120-5 NIJ Armor Type: 3
 Threat 1 - New Armor
 Ammunition: 7.62mm 147/FMJ Test Velocity: 2780 ± 30 ft/s Conditioning: Wet

Shot Number	Sample 1 Size: 10 x 12				Sample 2 Size: 10 x 12				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	2749.5	0	35.0		2764.7	0	38.0		
2	2770.1	0	32.0		2779.3	0	32.0		
3				ERR				ERR	
4	2803.5	0			2775.5	0			
5	2780.1	0			2770.1	0			
6	2773.2	0			2792.5	0			
7									
8									
Summary:		Perforations: 0 (Pass)		BFS Statistics: Count: 4		Average: 34.3 mm			
		Maximum BFS: 38.0 mm		k1: 3.046		St. Dev.: 2.87 mm			
(Pass - No BFS greater than 44 mm)									

Shot Number	Sample 3 Size: 10 x 12				Sample 4 Size: 10 x 12				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1	2776.2	0	37.0		2775.5	0	37.0		
2	2775.5	0	35.0		2814.5	0	36.0		
3				ERR				ERR	
4	2765.5	0			2792.5	0			
5	2793.3	0			2771.6	0			
6	2797.2	0			2760.2	0			
7									
8									
Summary:		Perforations: 0 (Pass)		BFS Statistics: Count: 4		Average: 36.3 mm			
		Maximum BFS: 37.0 mm		k1: 3.046		St. Dev.: 0.96 mm			
(Pass - No BFS greater than 44 mm)									

Threat 2 - New Armor
 Ammunition: _____ Test Velocity: _____ ± 30 ft/s Conditioning: Wet

Shot Number	Sample 5 Size: Not Yet Defined				Sample 6 Size: Not Yet Defined				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1									
2									
3									
4									
5									
6									
7									
8									
Summary:		Perforations: 0 (Pass)		BFS Statistics: Count: 0		Average: #DIV/0! mm			
		Maximum BFS: 0.0 mm		k1: #N/A		St. Dev.: #DIV/0! mm			
(Pass - No BFS greater than 44 mm)									

Shot Number	Sample 7 Size: Not Yet Defined				Sample 8 Size: Not Yet Defined				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1									
2									
3									
4									
5									
6									
7									
8									
Summary:		Perforations: 0 (Pass)		BFS Statistics: Count: 0		Average: #DIV/0! mm			
		Maximum BFS: 0.0 mm		k1: #N/A		St. Dev.: #DIV/0! mm			
(Pass - No BFS greater than 44 mm)									

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Summary Data

Report Number: 11137-06A Test ID: SAF09-000463 Report Date: 05/15/09
 Manufacturer: SAFARILAND, LLC. Model Designation: 2120-5 NIJ Armor Type: 3
 Threat 1 - Conditioned Armor
 Ammunition: 7.62mm 147/FMJ Test Velocity: 2780 ± 30 ft/s Conditioning: Dry

Shot Number	Sample 21 Size: Not Yet Defined				Sample 22 Size: Not Yet Defined				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1									
2									
3									
4									
5									
6									
7									
8									
Summary:		Perforations: 0 (Pass)		Perforations: 0 (Pass)		Maximum BFS: 0.0 mm (no requirement)		Maximum BFS: 0.0 mm (no requirement)	

Threat 2 - Conditioned Armor
 Ammunition: 0 0 Test Velocity: 0 ± 30 ft/s Conditioning: Dry

Shot Number	Sample 23 Size: Not Yet Defined				Sample 24 Size: Not Yet Defined				
	Front Panel		Back Panel		Front Panel		Back Panel		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	
1									
2									
3									
4									
5									
6									
7									
8									
Summary:		Perforations: 0 (Pass)		Perforations: 0 (Pass)		Maximum BFS: 0.0 mm (no requirement)		Maximum BFS: 0.0 mm (no requirement)	

Overall P-BFS Summary	
Perforations:	0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.
Maximum BFS:	38.0 mm This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.

#NAME?

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 11137-06A Test ID: SAF09-000463 Report Date: 05/15/09
 Manufacturer: SAFARILAND, LLC. Model Designation: 2120-5 NIJ Armor Type: 3
 Threat 1 - New Armor
 Ammunition: 7.62mm 147/FMJ Test Velocity: 2780 ± 30 ft/s Conditioning: Dry

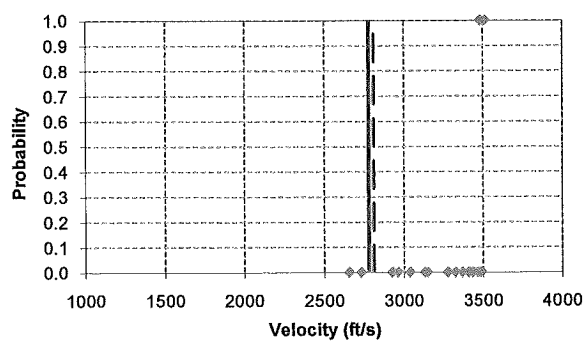
Shot Number	Sample 11			Sample 11			Sample 12			Sample 12			Sample 13		
	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)
1							2733.7	0	#12 FF	2656.8	0	#14 FF			
2							2961.2	0	#12 FF	2925.7	0	#14 FF			
3							3132.8	0	#12 FF	3037.7	0	#14 FF			
4							3277.6	0	#12 FF	3149.6	0	#14 FF			
5			(b)				3369.3	0	#12 FF	3275.5	0	#14 FF			
6			(a)				3516.2	1	#12 FF	3324.5	0	#14 FF			
7							3411.8	0	#13 FF	3406	0	#15 FF			
8							3437.6	0	#13 FF	3480.7	0	#15 FF			
9							3486.8	1	#13 FF	3465	0	#15 FF			
10							3431.7	0	#13 FF			(a) #15 FF			
11										3491.7	0	#15 FF			
12										3480.7	1	#15 FF			
13															
14															
15															

Shot Number	Sample 13			Sample 14			Sample 14			Sample 15			Sample 15		
	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Summary: Total Usable Shots: 21 Test incomplete Perforations below 2810 ft/s: 0 Good
 Perforations (Complete Penetrations): 3
 Stops (Partial Penetrations): 18

Test Data and Regression Model

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : #####
 β_1 : #####
 Estimated V50: ##### ft/s
 Estimated V05: ##### ft/s
 Probability of perforation at NIJ reference velocity (2780 ft/sec): ##### #NAME?



- ◆ Test Data
- V Ref.
- V Ref. + 30
- Est. Response
- Est. V50
- Est. V05

EXPORT CONTROLLED DATA.
 This document contains technical information whose export is governed by the U.S. International Traffic in Arms Regulations (ITAR).
 This information must not be transferred to a foreign person/entity without proper authorization of the U.S. Government.
 Violations may result in administrative and/or criminal penalties.

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 11137-06A Test ID: SAF09-000463 Report Date: 05/15/09
 Manufacturer: SAFARILAND, LLC. Model Designation: 2120-5 NIJ Armor Type: 3

Threat 2 - New Armor
 Ammunition: _____ Test Velocity: ± 30 ft/s Conditioning: WET

Shot Number	Sample 16			Sample 16			Sample 17			Sample 17			Sample 18		
	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Shot Number	Sample 18			Sample 19			Sample 19			Sample 20			Sample 20		
	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Front Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Back Panel	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Summary: Total Usable Shots: 0 Test incomplete #### 0 Good
 Perforations (Complete Penetrations): 0
 Stops (Partial Penetrations): 0

Regression Analysis
 Regression Model: **Logistic**
 Model Parameters: β_0 : #####
 β_1 : #####

 Estimated V50: #### ft/s

 Estimated V05: #### ft/s

 Probability of perforation at NIJ reference velocity (2780 ft/sec): #### #NAME?

Test Data and Regression Model

- ◆ Test Data
- V Ref.
- - - V Ref. + 30
- Est. Response
- - - - Est. V50
- - - - Est. V05

EXPORT CONTROLLED DATA.
 This document contains technical information whose export is governed by the U.S. International Traffic in Arms Regulations (ITAR).
 This information must not be transferred to a foreign person/entity without proper authorization of the U.S. Government.
 Violations may result in administrative, civil or criminal penalties.

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Number: 11137-06A Test ID: SAF09-000463 Report Date: 05/15/09
 Manufacturer: SAFARILAND, LLC. Model Designation: 2120-5 NIJ Armor Type: 3

Threat 1 - Conditioned Armor
 Ammunition: 7.62mm 147/FMJ
 Test Velocity: 2780 ± 30 ft/s Cond: Dry

Threat 2 - Conditioned Armor
 Ammunition: 0 0
 Test Velocity: 0 ± 30 ft/s Cond: Dry

Shot Number	Sample 25			Sample 25		
	Front	Panel	Note	Back	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Summary:

Total Usable Shots: 0 Incomplete

Perforations (CP): 0

Stops (PP): 0

Perforations below 2810 ft/s: 0 Good

Regression Analysis

Regression Model: **Logistic**

Model Parameters: β0: #####

 β1: #####

Estimated V50: ##### ft/s

Shot Num	Sample 26			Sample 26		
	Front	Panel	Note	Back	Panel	Note
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Summary:

Total Usable Shots: 0 Incomplete

Perforations (CP): 0

Stops (PP): 0

Perforations below 30 ft/s: 0 Good

Regression Analysis

Regression Model: **Logistic**

Model Parameters: β0: #####

 β1: #####

Estimated V50: ##### ft/s

Overall Ballistic Limit Summary	
Perforations below Vref + 30 ft/sec:	0
This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.	
Probability of perforation at the P-BFS reference velocity	
Threat 1: #####	
Threat 2: #####	
#NAME?	

#NAME?

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

#VALUE!

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: #VALUE! #VALUE!
Test ID: SAF09-000463 Test Velocity: #VALUE! ± 30 ft/s
NIJ Armor Type: 3 Conditioning: #VALUE!

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

#VALUE!
Front Panel
Panel Serial No: #VALUE! Plate Serial No: #VALUE!

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass:						-

TEST CONDITIONS:

	Start	End	Armor Submersion	Firing Sequence
Ambient Temp:	_____ F	_____ F	Start: _____ HH:mm	Start: _____ HH:mm
Rel. Humidity:	_____ %	_____ %	End: _____ HH:mm	End: _____ HH:mm
			Duration: _____ min	Duration: _____ min

FRONT PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		#####					
5		0		0		#####					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Clay Temperature: _____ F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass:						-

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

#VALUE!

Report Number: 11137-06A Report Date: 05/15/09 Test Date:

Manufacturer: SAFARILAND, LLC. Ammunition: #VALUE! #VALUE!
Test ID: SAF09-000463 Test Velocity: #VALUE! ± 30 ft/s
NIJ Armor Type: 3 Conditioning: #VALUE!

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

#VALUE!
Back Panel
Panel Serial No: #VALUE! Plate Serial No: #VALUE!

PRE-TEST CLAY VALIDATION:

Block ID:
Time of Day: HH:mm
Clay Temperature: F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

TEST CONDITIONS:

	Start		End		Armor Submersion	Start		End		Firing Sequence	
Ambient Temp:	<u> </u> F		<u> </u> F		Start:	<u> </u> HH:mm		<u> </u> HH:mm		Start:	
Rel. Humidity:	<u> </u> %		<u> </u> %		End:	<u> </u> HH:mm		<u> </u> HH:mm		End:	
					Duration:	<u> </u> min		<u> </u> min		Duration:	

BACK PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1		0		0		0°					
2		0		0		0°					
3		0		0		0°					
4		0		0		#####					
5		0		0		#####					
6		0		0		0°					
7		0		0							
8		0		0							

POST-TEST CLAY VALIDATION:

Block ID:
Time of Day: HH:mm
Clay Temperature: F

Depth of Indent:	Drop Number					Avg.
	1	2	3	4	5	
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
Pass: -						

NOTES:

- a - Excessive velocity
- b - Insufficient velocity
- c - Too close to edge
- d - Too close to prior impact
- e - Excessive total impacts (test terminated)
- f - Excessive area impacts (test terminated)
- g - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

#VALUE!

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC.
Test ID: SAF09-000463

Ammunition: #VALUE! #VALUE!

NIJ Armor Type: 3

Conditioning: #VALUE!

TEST DIMENSIONS: Range Length: 50.30 ft.

Velocity 1: 5.00 ft.

Velocity 2: 5.00 ft.

Sample re
Front Panel

Panel Serial No: #VALUE!

Plate Serial No: #VALUE!

PRE-TEST CLAY VALIDATION:

Block ID: _____

Time of Day: _____ HH:mm

Temperature: _____ F

Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm					
Pass: -					

TEST CONDITIONS:

Ambient Temp: _____ F

Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm

End: _____ HH:mm

Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

#VALUE!

Report Number: 11137-06A Report Date: 05/15/09 Test Date: _____

Manufacturer: SAFARILAND, LLC. Ammunition: #VALUE! #VALUE!

Test ID: SAF09-000463

NIJ Armor Type: 3 Conditioning: #VALUE!

TEST DIMENSIONS: Range Length: 50.30 ft. Velocity 1: 5.00 ft.
Velocity 2: 5.00 ft.

Sample re
Back Panel

Panel Serial No: #VALUE! Plate Serial No: #VALUE!

PRE-TEST CLAY VALIDATION:

Block ID: _____
Time of Day: _____ HH:mm
Temperature: _____ F

Depth of Indent:	Drop 1	Drop 2	Drop 3	Drop 4	Drop 5	Avg.
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
						Pass: -

TEST CONDITIONS:

Ambient Temp: _____ F
Rel. Humidity: _____ %

Firing Sequence

Start: _____ HH:mm
End: _____ HH:mm
Duration: _____ min

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

BL PANEL 1 - Front										
Shot No.	Charge Weight	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Result		Used (Y/N)	Remarks
							Perf (CP)	Stop (PP)		
1			0		0					
2			0		0					
3			0		0					
4			0		0					
5			0		0					
6			0		0					
7			0		0					
8			0		0					
9			0		0					
10			0		0					
11			0		0					
12			0		0					
13			0		0					
14			0		0					
15			0		0					

Count: 0 0 0 0

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 06/24/09
Via: FedEx
Returned Via: UPS

Record No: SAF09131
Test Date: 06/25/09
Customer: Safariland

Test Conditions

Temperature: 73 °F.
Humidity: 50 %
Clay Block No.: 1
Clay Temp.: 102 °F.
Drops (Avg.): 19 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: Dry

Range 4

Muzzle to Scr. 1: 38.94 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.33 ft.
Midpoint to Target: 8.20 ft.
Target to Witness: 0 ft.
Barrel Length: 26 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
10 x 12	5.64	Dry	0	1	1	7.62mm	180 PSP	191.7	2988	No Perforation
10 x 12	5.64	Dry	0	2	2	7.62mm	180 PSP	192.6	2974	No Perforation
10 x 12	5.64	Dry	0	3	3	7.62mm	180 PSP	192.6	2974	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

REMARKS/NOTES:

Customer requested reference velocity @ 3000 +/- 30fps.

Sample Tested:

Model No.: 2120-5
Serial No.: 3
Lot No.: 10954
DoM: JUNE 2009
Size: 10 x 12
Thickness: 1.08"

Samples re-inspected on 3-28-11 for description accuracy, modified as needed.

Sample Description:

Layer 1: E-Glass wrap
Layer 2: .25" ceramic
Layer 3: 0.46" Rigid Polyethylene
Layer 4: E-Glass wrap
Layer 5: 0.25" foam

Elston/Nold

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 06/24/09
Via: FedEx
Returned Via: UPS

Record No: SAF09129
Test Date: 06/25/09
Customer: Safariland

Test Conditions

Temperature: 73 °F.
Humidity: 50 %
Clay Block No.: 1
Clay Temp.: 102 °F.
Drops (Avg.): 19 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: Dry

Range 4

Muzzle to Scr. 1: 38.94 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.33 ft.
Midpoint to Target: 8.20 ft.
Target to Witness: 0 ft.
Barrel Length: 26 in.
Clay Block: 5.5 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
10 x 12	5.65	Dry	0	1	1	5.56mm	62 gr. M855	183.7	3118	No Perforation
10 x 12	5.65	Dry	0	2	2	5.56mm	62 gr. M855	181.4	3158	No Perforation
10 x 12	5.65	Dry	0	3	3	5.56mm	62 gr. M855	183.0	3130	No Perforation
10 x 12	5.65	Dry	0	4	4	5.56mm	62 gr. M855	185.4	3090	No Perforation
10 x 12	5.65	Dry	0	5	5	5.56mm	62 gr. M855	186.1	3078	No Perforation
10 x 12	5.65	Dry	0	6	6	5.56mm	62 gr. M855	183.0	3130	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.	United States Test Laboratory 7447 W. 33rd St. N. Wichita, KS 67205 U.S.A.	316-832-1600 316-832-1602	Phone Fax
--	--	------------------------------	--------------

REMARKS/NOTES:

Customer requested reference velocity @ 3100 +/- 30fps.

Sample Tested:
Model No.: 2120-5
Serial No.: 1
Lot No.: 10954
DoM: JUNE 2009
Size: 10 x 12
Thickness: 1.08"

Sample Description: Samples re-inspected on 3-28-11 for description accuracy, modified as needed.
Layer 1: E-Glass wrap
Layer 2: .25" ceramic
Layer 3: 0.46" Rigid Polyethylene
Layer 4: E-Glass wrap
Layer 5: 0.25" foam

Elston/Nold

EXPORT CONTROLLED DATA.
This document contains technical information whose export is governed by the U.S. International Traffic in Arms Regulations (ITAR).
This information must not be transferred to a foreign person/entity without proper authorization of the U.S. Government.
Violations may result in administrative, civil or criminal penalties.

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 09/03/09
Via: FedEx
Returned Via: UPS

Record No: PT09038
Test Date: 09/04/09
Customer: Protech

Test Conditions

Temperature: 70 °F.
Humidity: 42 %
Clay Block No.: 3
Clay Temp.: 106 °F.
Drops (Avg.): 19 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 3

Muzzle to Scr. 1: 38.94 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.33 ft.
Midpoint to Target: 8.20 ft.
Target to Witness: 0 ft.
Clay Block: 5.5 in.
Barrel Length: 20 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
10 x 12	5.84	Dry	0	1	1	7.62 x 39	123 MSC	242.3	2364	17
10 x 12	5.84	Dry	0	2	2	7.62 x 39	123 MSC	236.0	2427	24
10 x 12	5.84	Dry	0	3	3	7.62 x 39	123 MSC	233.5	2453	No Perforation
10 x 12	5.84	Dry	0	4	4	7.62 x 39	123 MSC	235.9	2428	No Perforation
10 x 12	5.84	Dry	0	5	5	7.62 x 39	123 MSC	240.2	2385	No Perforation
10 x 12	5.84	Dry	0	6	6	7.62 x 39	123 MSC	236.6	2421	No Perforation
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-
								-	-	-

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.

316-832-1600 Phone
316-832-1602 Fax

WARNING – This document may contain technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. 2751, et. seq.) or the Export Administration Act of 1979 as amended, Title 50 U.S.C. App 2401 et. seq. Violations of these export laws are subject to severe criminal penalties.

REMARKS/NOTES:

*Plate not subjected to mechanical durability test prior to ballistic testing according to Section 6.3.4 (7).
**Customer requested six impacts @ a velocity of 2350-2450 fps.

Sample Tested:

Manufacturer: Protech / Safariland
Model No.: 2120-5
Sample No.: 7
Lot No.: 10954
DoM: JUNE 2009
Size: 10 x 12 in.
Thickness: 1.10 in.
Weight: 5.84 lbs.
Threat Level: 3

Sample Description:

Layer 1: E-Glass wrap
Layer 2: .25" ceramic
Layer 3: 0.46" Rigid Polyethylene
Layer 4: E-Glass wrap
Layer 5: 0.25" foam
Landon/Crawford

Samples re-inspected on 3-28-11 for description accuracy, modified as needed.

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 08/16/10
Via: FedEx
Returned Via: UPS

Record No: BAE101596
Test Date: 08/18/10
Customer: BAE Systems

Test Conditions

Temperature: 75 °F.
Humidity: 48 %
Clay Block No.: 10
Clay Temp.: 102 °F.
Drops (Avg.): 20.05 mm
Test Spec: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 3

Muzzle to Scr. 1: 38.94 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.33 ft.
Midpoint to Target: 8.20 ft.
Target to Witness: 0 ft.
Clay Block: 5.5 in.
Barrel Length: 26 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lb.)	Wet Dry	0-45 Deg. Angle	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
10 x 12	5.81	Dry	0	1	1	7.62x54R	150 FMJ	198.1	2891	No Perforation
10 x 12	5.81	Dry	0	2	2	7.62x54R	150 FMJ	199.4	2873	No Perforation
10 x 12	5.81	Dry	0	3	3	7.62x54R	150 FMJ	200.1	2863	No Perforation
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	
								-	-	

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample. United States Test Laboratory 316-832-1600 Phone
7447 W. 33rd St. N. 316-832-1602 Fax
Wichita, KS 67205 U.S.A.

WARNING – This document may contain technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. 2751, et. seq.) or the Export Administration Act of 1979 as amended, Title 50 U.S.C. App 2401 et. seq. Violations of these export laws are subject to severe criminal penalties.

REMARKS/NOTES:

Customer requested three impacts @ a velocity of 2855 +/-30 fps.

Sample Tested
Manufacturer: Safariland LLC
Model No.: 2120-5
Serial No.: 85
Lot No.: 0018481
Size: 10 x 12 in.
Thickness: 1.110 in.
Weight: 5.81 lbs.
Threat Level: Special Threat
DoM: JULY 2010

Sample Description:
Layer 1: Ceramic (0.804" thick).
Layer 2: Foam (0.212" thick).



Safariland
Mr. Tom Lang
1595 East Street
Pittsfield, MA 01201

May 10, 2011

Dear Mr. Lang,

Per your request United States Test Laboratory performed Ballistic Resistance Testing in accordance with Modified/ Abbreviated NIJ 0101.06. The testing was performed on Model 2120-5 plate. The projectiles used were 5.56x45mm 62SP.

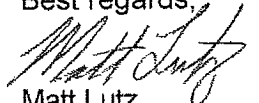
The table below represents a summary of the test results. A copy of the ballistic test report is attached for your inspection. The test record numbers included in this series of tests are: **BJP11406**.

Serial Number	Shot Number	Projectile	Velocity	Penetration (mm)
937	1	5.56x45mm 62SP	3047	5.51
937	2	5.56x45mm 62SP	3031	20.91
937	3	5.56x45mm 62SP	3027	None
937	4	5.56x45mm 62SP	3075	None
937	5	5.56x45mm 62SP	3044	None
937	6	5.56x45mm 62SP	3110	None

The data presented is for the samples tested only; it does not guarantee the performance of other samples of the same or similar product. The test results do not imply endorsement by United States Test Laboratory.

The test samples are being returned via UPS Ground. Should you have any questions, please feel free to call upon us.

Best regards,


Matt Lutz
Sr. Lab Technician

UNITED STATES TEST LABORATORY
BALLISTIC RESISTANCE TEST

Date Received: 05/09/11
Via: FedEx
Returned Via: UPS

Record No.: BJP11406
Test Date: 05/10/11
Customer: BAE Systems

Test Conditions

Temperature: 69 °F.
Humidity: 40 %
Clay Block No.: 6
Clay Temp.: 93.1 °F.
Drops (Avg.): 19.3 mm
Test Spec.: Modified/Abbreviated NIJ 0101.06
Threat Level: Special Threat
Condition: New

Range 3

Muzzle to Screen 1: 38.94 ft.
Screen 1 - 2: 5.73 ft.
Screen 2 - Target: 5.33 ft.
Midpoint to Target: 8.20 ft.
Target to Witness: 0 ft.
Clay Block: 5.5 in.
Barrel Length: 26 in.

Sample/Test Description				Ammunition Description				Chronograph		Results
Sample Size	Sample Weight (lbs.)	Wet Dry	Degree Obliquity	Shot No.	Shot Location	Caliber	Bullet Wt./Type	TIME sx-5	VELOCITY fps	Perforation BFS (mm)
10 x 12	5.79	Dry	0	1	TL	5.56x45mm	62 SP	188.0	3047	5.51
10 x 12	5.79	Dry	0	2	BR	5.56x45mm	62 SP	189.0	3031	20.91
10 x 12	5.79	Dry	0	3	TR	5.56x45mm	62 SP	189.2	3027	No Perforation
10 x 12	5.79	Dry	0	4	MR	5.56x45mm	62 SP	186.3	3075	No Perforation
10 x 12	5.79	Dry	0	5	ML	5.56x45mm	62 SP	188.2	3044	No Perforation
10 x 12	5.79	Dry	0	6	BL	5.56x45mm	62 SP	184.2	3110	No Perforation

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

United States Test Laboratory
7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.
316-832-1600 Phone
316-832-1602 Fax

WARNING – This document may contain technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. 2751, et. seq.) or the Export Administration Act of 1979 as amended, Title 50 U.S.C. App 2401 et. seq. Violations of these export laws are subject to severe criminal penalties.

REMARKS/NOTES:

- *Plate not conditioned according to Section 6, Tables 2 & 3.
- **Plate not subjected to mechanical durability test prior to ballistic testing according to Section 6.3.4 (7).
- ***Plate not tested wet according to Section 7.8.2 Armor Submersion.

Backing Material Surface Preparation (Section 4.2.5.4)

Non-planar

Ammunition Used:

Federal Premium Law Enforcement 5.56x45mm 62 gr. Bonded SP (LE223T3) @ a velocity of 3050 fps +/- 30 fps.

Sample Tested:

Manufacturer: Protech / Safariland, LLC.
Model No.: 2120-5
Serial No.: 937
Lot No.: 0364479
Size: 10 x 12 in.
Thickness: 1.10 in.
Weight: 5.79 lbs.
Threat Level: III

Shot Locations:

TL Top Left
BR Bottom Right
TR Top Right
MR Middle Right
ML Middle Left
BL Bottom Left

Sample Description:

Layer 1: E-Glass wrap
Layer 2: 0.25" ceramic
Layer 3: 0.46" Rigid Polyethylene
Layer 4: E-Glass wrap
Layer 5: 0.25" foam

EXPORT CONTROLLED DATA.

This document contains technical information whose export is governed by the U.S. International Traffic in Arms Regulations (ITAR).

It must not be transferred to a foreign person/entity without proper authorization of the U.S. Government.

Crawford/Childers

Violations may result in administrative, civil or criminal penalties.

ADDITIONAL WARNINGS:

- This ballistic-resistant Vest is intended to reduce or prevent injuries from specific threats. Body armor is not "bulletproof," and cannot protect against all threats. Impact forces also can result in serious injury or death.
- Ballistic panels offer protection to only those areas that they cover. Strenuous movements or physical altercations may cause ballistic panels to shift on the user's body, thus affecting actual coverage. Vests that fit improperly (e.g., too long or too wide in the chest area) can develop set wrinkles in the ballistic fabric. Substantial weight gain or loss, or changes in body shape or contour, can also cause previously protected areas to become exposed. If the user has experienced a substantial weight gain or loss, he or she should immediately take their Vest to an authorized dealer for an inspection.
- Ballistic panels are designed to defeat certain threats only if properly inserted into the outer carrier facing in the correct direction. The label affixed to the panel indicates which side is the "strike side" - meaning the side that must face outward. The user **MUST** ensure that the ballistic panels are properly inserted into the carrier in the proper direction. Failure to follow these instructions can result in serious injury or death.
- Vests work by dissipating kinetic energy across the fibers of a ballistic panel - should the Vest be struck by a threat close to an edge, its ability to dissipate the energy may be negatively impacted.
- The greater the angle at which a round strikes the Vest (opposite of a "head on" shot), the greater the possibility the round may ricochet or slide off the side of the Vest.
- Multiple rounds striking in a tight shot pattern may weaken that area of the Vest and result in a complete penetration.
- Unless specifically stated otherwise on the Vest's label, it is not warranted to defeat spikes, picks, knives or other sharp objects.

THANK YOU

Thank you for choosing Safariland. We know you have a tough job to do. That's why we work hard to produce the highest-quality protective systems for the law enforcement community. For more information on our Body Armor warranty, visit www.safariland.com.

Please complete the following information and retain this certificate for your records.

NAME

BADGE#

DATE ISSUED SIZE

SERIAL# FRONT

SERIAL# BACK



SAFARILAND
Together. We Save Lives.

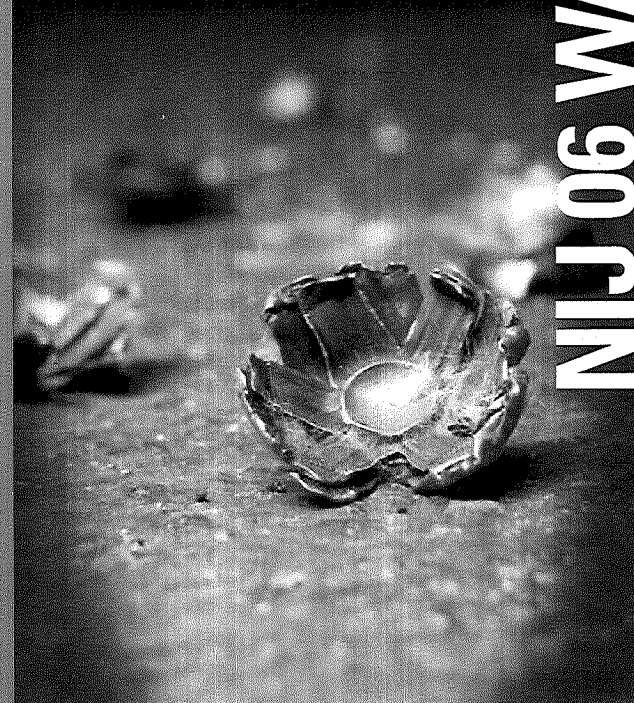
13386 INTERNATIONAL PARKWAY - JACKSONVILLE, FLORIDA 32218
(800) 347-1200 - safariland.com



SAFARILAND

NIJ 06 WARRANTY

Body Armor



EXPRESS LIMITED WARRANTY FOR SAFARILAND™ FLEXIBLE BODY ARMOR VESTS CERTIFIED UNDER NIJ-0101.06

1. Safariland warrants that its "NIJ-06" flexible body armor vests ("Vests") have been certified to comply with the National Institute of Justice's ("NIJ") *Ballistic Resistance of Body Armor, NIJ Standard-0101.06 (July 2008)*, for the applicable NIJ threat level designated on each Vest's label. For multi-threat (i.e., ballistic and stab resistant) Vests, Safariland also warrants that the Vests have been certified to comply with the NIJ's *Stab Resistance of Personal Body Armor, NIJ Standard-0115.00 (September 2000)*, for the applicable NIJ spike threat level designated on each Vest's label.
2. For a period of sixty (60) months after the date of issue, Safariland warrants that the ballistic panels of its Vests shall be free from defects in material and workmanship and shall comply with Safariland's VestCheck™ used vest testing protocols for ballistic performance (as set forth on www.safariland.com). Vests should not be worn or used after the expiration of this warranty period (i.e., "useful life" period).
3. For a period of twelve (12) months after the date of issue, Safariland warrants that the outer carriers of its Vests shall be free from defects in material and workmanship.
4. Vests shall be always worn in accordance with Safariland's Use & Care instructions contained in the applicable User Manual included with each Vest. The above warranties do not apply to any Vest that has been subjected to misuse, abuse, accident, neglect, unauthorized alteration, breakage, interruption, damage, improper storage or handling, or unauthorized repair or service.
5. The above warranties are the sole and exclusive warranties made by Safariland with respect to its Vests. They shall not be enlarged by any representations, descriptions, course of dealing, trade usage, technical advice, service, samples, models, or otherwise, nor shall they be altered or expanded by any acts, statements, or agreements of any dealer, employee, or agent of Safariland (other than by a duly authorized officer of Safariland). SAFARILAND MAKES NO OTHER WARRANTIES EXPRESS, IMPLIED, OR STATUTORY; INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.
6. In the event that Safariland determines that a Vest (or component) is defective during an applicable warranty period, Safariland agrees to (at its election) replace, repair, or issue a pro-rated purchase price credit for such product. All returns shall be made to Safariland's factory and must include (1) proof of issue/purchase, and (2) documentation specifying the claimed defect and all relevant supporting information. A Return Authorization Number (RA) must be obtained from Safariland prior to returning the product.

7. IN NO EVENT SHALL SAFARILAND BE LIABLE FOR ANY PUNITIVE, EXEMPLARY, OR CONSEQUENTIAL DAMAGES, ANTICIPATED OR LOST PROFITS, INCIDENTAL DAMAGES, LOSS OF TIME, OR OTHER INDIRECT LOSSES OR EXPENSES THAT ARISE FROM ANY CAUSE RELATING TO ITS VESTS, REGARDLESS OF THE FORM OF THE ACTION, WHETHER IN TORT (INCLUDING NEGLIGENCE), CONTRACT, STRICT LIABILITY OR OTHERWISE, AND REGARDLESS OF WHETHER THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH CONSEQUENTIAL DAMAGES. NOTWITHSTANDING ANY CONTRARY PROVISION, IN NO EVENT SHALL THE TOTAL LIABILITY OF SAFARILAND (TOGETHER WITH THE LIABILITY OF ITS OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS) EXCEED THE PURCHASE PRICE ACTUALLY PAID FOR THE VEST THAT GIVES RISE TO SUCH LIABILITY. The foregoing disclaimers are subject to any applicable laws that regulate product warranties.

SAFARILAND'S VESTCHECK™ PERFORATION TESTING PROGRAM FOR USED BODY ARMOR VESTS

In order to evaluate the on-going ballistic performance of its flexible body armor vests ("Vests"), Safariland regularly conducts perforation testing of its Used Vests across a broad spectrum of models, ages, and wear categories.

Safariland tests its Used Vests in dry condition for perforations in accordance with the P-BFS test protocols as specified in NIJ Standard-0101.06, Section 7.8, at the Conditioned Armor Test Velocities (set forth in NIJ Standard-0101.06, Table 4) for the test rounds specified for the applicable NIJ threat level as indicated on the Vest's label. The test will be deemed satisfactory so long as there are no perforations of the ballistic panels.

A Used Vest is not required or expected to meet any backface signature thresholds. Backface signatures of the ballistic panels may be measured and recorded by Safariland in the conduct of its perforation testing, but such data shall be considered informational only and shall not be considered for purposes of determining whether the Used Vest passes the perforation test.

In the unlikely event of an unsatisfactory perforation test result, Safariland shall conduct a detailed review of all applicable test data and conditions, and shall implement such follow-on test protocols as may be needed to determine the scope of any potential ballistic performance issue(s) and causal factor(s) (e.g., test sample condition, environmental factors, workmanship, materials, lot consistency, model design).

Implementation of the VestCheck Perforation Testing Program as regarding the ballistic performance of any Used Vest shall be determined exclusively by Safariland. Ballistic performance or other tests performed by a buyer, user, government agency, laboratory, or any other party not expressly authorized by Safariland shall not be valid for purposes of any warranty or other representations made by Safariland.

USE AND CARE WARNINGS

This flexible body armor vest ("Vest") is an integrated system consisting of an outer carrier and front and back torso ballistic panels.

FAILURE TO CLOSELY FOLLOW THESE USE & CARE INSTRUCTIONS WILL VOID ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY BALLISTIC PERFORMANCE WARRANTY, AND COULD LEAD TO SERIOUS INJURY OR DEATH.

DO NOT ABUSE YOUR VEST! If this Vest is heavily worn (e.g., wrinkles or rolls in the ballistic panels, open breaks in the outer carrier, heavy stains, worn threads, visible moisture, cracked seams, cover splits), regardless of its age, it shall be deemed to be abused and no longer subject to any warranties.

INSPECT YOUR VEST FREQUENTLY! Should the ballistic panel package (including without limitation any edge seal of a ballistic panel, where applicable) be broken, interrupted, cracked or damaged in any way, the Vest should immediately be taken to an authorized dealer for an inspection. Ballistic panels that are broken, interrupted, cracked or damaged may negatively impact the Vest's ballistic performance and may need to be repaired or replaced!

STORE YOUR VEST CAREFULLY! The resistance and performance of ballistic panels are known to change with time and wear, especially when exposed to extreme environmental conditions. This Vest should not be stored in places where it is exposed to high temperatures and/or in combination with high humidity for long periods of time. Exposure to such extreme environmental conditions may negatively impact the Vest's ballistic performance.

APPLICABLE TO CUSTOM-FIT VESTS: Only the original user who was custom-fit by an authorized dealer under Safariland's SizeRight™ program should wear this Vest. Users should never allow any other person to wear his or her custom-fit Vest without it first being re-sized for the new user by an authorized dealer.

OTHER EXAMPLES OF IMPROPER USE: Replacing the ballistic panels with those from another manufacturer; placing Safariland's ballistic panels into an unauthorized outer carrier; wearing the outer carrier without inserting the ballistic panels; or inserting the ballistic panels into the outer carrier in the wrong direction. Contact Safariland's Customer Service Department if you have any questions about authorized configurations.

13386 International Parkway
Jacksonville, Florida 32218
(904) 741-5400



PROPRIETARY & CONFIDENTIAL

VIA E-MAIL

November 2, 2011

CITY MANAGER
ATTN: CITY CLERK UNIFORMS, ACCESSORIES & MISCELLANEOUS
333 West Ocean Boulevard,
Plaza Level EQUIPMENT (POLICE DEPARTMENT)
Long Beach, California 90802

**RE: INVITATION T BID – BID NUMBER PA-01408
Manufacturer's Disclosure**

Dear City Clerk Uniforms:

In support of Galls Long Beach Uniform's Bid under Bid Number PA-01408, Safariland discloses the following information as requested in "SECTION F: CONCEALABLE & TACTICAL BODY ARMOR" of the Specifications Section.

In regards to disclosure of any field incidents of bullet penetration of in-service ballistic panels from a round required to be stopped under NIJ Standards, Safariland confirms that there are no known incidents.

In regards to disclosure of any criminal or civil litigation involving defective body armor or fraud over ballistic materials, for the past 5 years, Safariland identifies the following:

1. In 2008, as a result of notification by DSM Dyneema that testing of Dyneema® SB61 product raised concerns that certain mechanical wear conditions might result in some reduction in performance over the long-term life of this product, Armor Holdings Products, LLC (n/k/a Safariland, LLC) ceased sale and delivery of vest models containing SB61 material and instituted a voluntary program to recover the affected models from the field.

Relating to SB-61, in 2008, Southern States Police Benevolent Association filed a complaint in the Fourth Judicial Circuit Court for Duval County, Florida, Case No. 2008-CA-003240, against Armor Holdings Products, LLC and several of its subsidiaries alleging sale of defective ballistic resistant body armor containing Dyneema SB-61 ballistic material. As a result of the company's voluntary recall and replacement of armor containing Dyneema SB-61, the complaint was voluntarily dismissed and the case terminated.

City Clerk Uniforms
Long Beach Police Department
Bid No. PA-01408
November 14, 2011
Page 2 of 2



2. In 2008, in connection with US Department of Justice ("DOJ") broad review of the entire body armor industry regarding the suitability of Zylon, a ballistic material developed by Toyobo, a Japanese company, for use in body armor, Armor Holdings Products, LLC ("AHP") settled certain potential civil claims with the DOJ regarding AHP's sales of Zylon-containing bullet-resistant vests between 2000 and 2005.

Relating to Zylon, in 2008, Aaron Westrick filed under seal a complaint in the District of Columbia Superior Court, Case No. 2008 CA BSLD 1892, against numerous body armor industry manufacturers and component suppliers, including Armor Holdings Products, LLC, alleging violation of False Claims Act as related to the sale of body armor containing Zylon. In 2010, the complaint was unsealed and dismissed.

If you need any further information, please feel free to contact our Territory Manager Frank Harden at (909) 544-2958.

Regards,

Jason Brown
Director, Programs & Pricing
Safariland, LLC
904-485-1835 Phone
jason.brown3@baesystems.com



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/25/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies, LLC-A DC 1110 Vermont Ave. NW, Suite 700 Washington DC 20005 (202) 414-2400	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
E-MAIL ADDRESS:		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: ACE American Insurance Company		22667
INSURER B: Indemnity Insurance Co of North America		43575
INSURER C: Allianz Global Risks US Insurance Co		35300
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES BAESY01 KE **CERTIFICATE NUMBER:** 11500546 **REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	GENERAL LIABILITY	N	N	CGL 2003460	10/31/2011	10/31/2012	EACH OCCURRENCE \$ 2,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 2,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 10,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY \$ 2,000,000
	<input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						GENERAL AGGREGATE \$ 8,000,000
							PRODUCTS - COMP/OP AGG \$ 4,000,000
							\$
A	AUTOMOBILE LIABILITY	N	N	ISAH 08691174	10/31/2011	10/31/2012	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$ XXXXXXXX
	<input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS						BODILY INJURY (Per accident) \$ XXXXXXXX
	<input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident) \$ XXXXXXXX
							\$ XXXXXXXX
	UMBRELLA LIAB <input type="checkbox"/> OCCUR			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX
	EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						AGGREGATE \$ XXXXXXXX
	<input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						\$ XXXXXXXX
B A A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		N	WLRC46482517(AOS) WLRC46452529 (CA, MA Only) SCFC46452530 (WI Only)	10/31/2011 10/31/2011 10/31/2011	10/31/2012 10/31/2012 10/31/2012	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N <input checked="" type="checkbox"/> N	N/A				E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Evidence of Insurance

CERTIFICATE HOLDER

CANCELLATION

11500546

Evidence of Insurance

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



RJ Platinum-LE

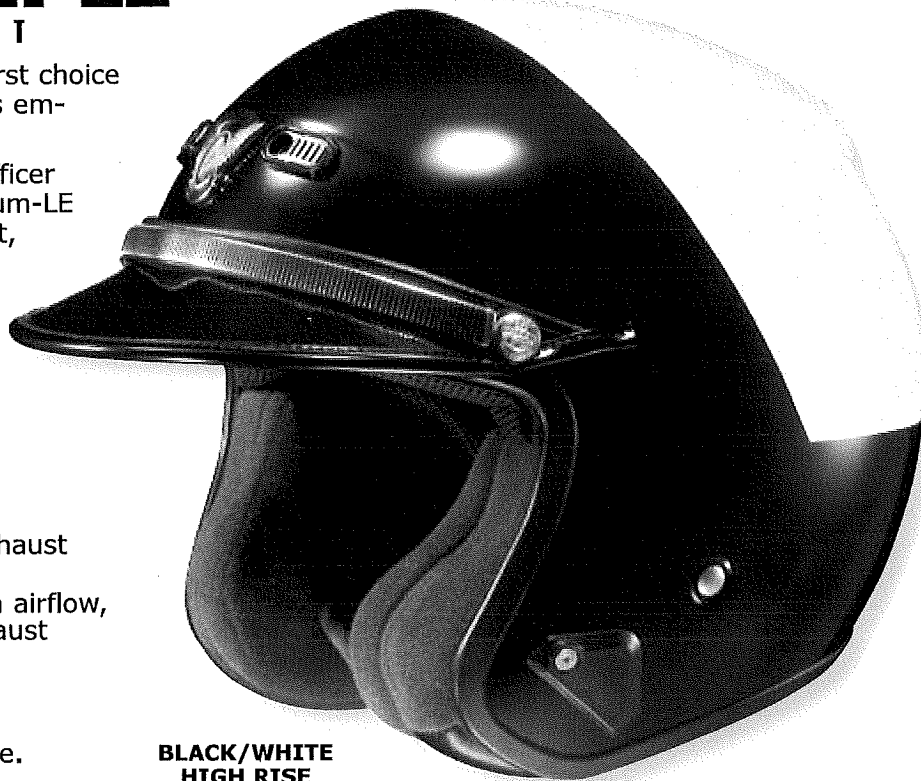
MOTOR HELMET

The #1 Choice of
Departments Nationwide.

Shoei's number one status as the first choice of departments around the nation is embodied by the RJ Platinum-LE.

This helmet is the answer for the officer demanding the best. The RJ Platinum-LE is the top of the line in a lightweight, durable full-coverage helmet.

Featuring Advanced Integrated Matrix Plus (AIM+), a hybrid combination of high performance organic and strong glass fibers. The result is a lightweight and sturdy shell.



BLACK/WHITE
HIGH RISE

Other features include:

- Adjustable top intake and rear exhaust vents allow for optimum airflow.
- A 2-layer liner allows for optimum airflow, utilizing negative pressure to exhaust hot air buildup.
- Soft and comfortable 3D liner.
- Removable/washable interior.
- Communication system compatible.
- Padded chin strap.
- Custom paint available.

5 YEAR
warranty

SHOEI RJ PLATINUM-LE

Sizes	Solid White	Black/White (High)	Black/White (Low)	Cust Paint
S	04-102	04-120	04-126	04-144
M	04-103	04-121	04-127	04-145
L	04-104	04-122	04-128	04-146
XL	04-105	04-123	04-129	04-147
XXL	04-106	04-124	04-130	04-148

Rank band & buttons sold separately - see page 10.

Badge not sold through Helmet House.

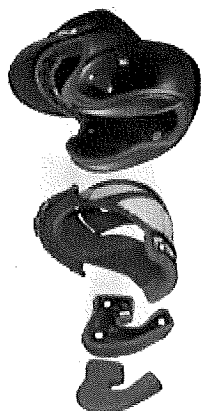
NOTE: Custom paint sales are final.

Allow 4-6 weeks for delivery.

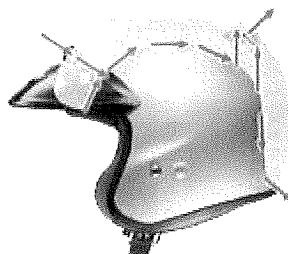
Color not guaranteed.

TECHNICAL INFORMATION

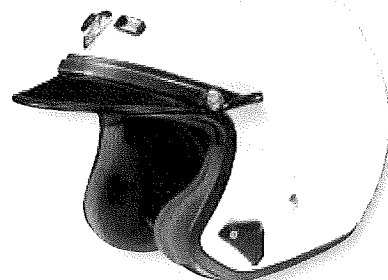
- Standards: DOT-218, Snell-M2005.
 Construction: Advanced Integrated Matrix Plus (AIM+) Shell
 Weight: 2.86 lbs/1300 grams (approx, based on Size Medium Solid)
 Packaging: Individually wrapped, bagged and boxed, 6 per master carton



RJ PLATINUM-LE
REMOVABLE/ REPLACEABLE
3D LINER AND CHEEK PADS.



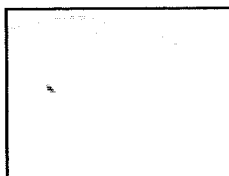
FRESH AIR IS INDUCED
FROM THE FOREHEAD,
EXHAUSTING HOT
AIR BUILDUP.



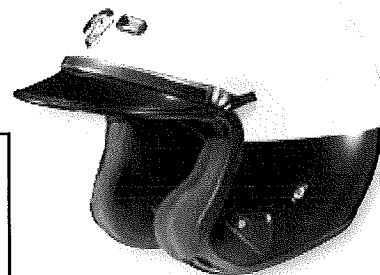
SOLID
WHITE



ADJUSTABLE
AIR INTAKE



ADJUSTABLE
EXHAUST VENT



BLACK/
WHITE
LOW RISE



toll free: 1-800-421-7247



online: www.policehelmets.com