

IFB

INVITATION FOR BIDS

IFB Number 3160007282

To Provide: Customized Testing and Reporting Services for Human DNA testing
services for MSFL

CLOSING LOCATION

Mississippi Department of Public Safety, Procurement Department
1900 E. Woodrow Wilson Boulevard, 4th Floor, Room 402,
Jackson, MS 39216

BID COORDINATOR

Britney Wesley or Sonya Williams
Procurement Department

Telephone: 601-987-1407 or 601-987-1467

Fax: 601-987-1442

E-mail: bjwesley@dps.ms.gov or sonya.williams@dps.ms.gov

CLOSING DATE AND TIME

Bids must be received by 10:00 A.M., CST Thursday April 24, 2025

SECTION 1

1.1 Bid Acceptance Period

The original and 1 copy of the bid, 2 copies total, shall be signed and submitted in a sealed envelope or package to Britney Wesley or Sonya Williams, Mississippi Department of Public Safety, Procurement Department, 4th Floor, Room 402, 1900 East Woodrow Wilson Boulevard, Jackson, MS 39216 no later than the time and date specified for receipt of bids. Timely submission of the bid is the responsibility of the bidder. Bids received after the specified time shall remain sealed, unopened and be maintained as a part of the procurement file. The envelope or package shall be marked with the bid opening date and time, and the number of the invitation for bid. The time and date of receipt shall be indicated on the envelope or package by Procurement. Each page of the bid and all attachments shall be identified with the name of the bidder. Modifications or additions to any portion of the procurement document may be cause for rejection of the bid. The Mississippi Department of Public Safety (MDPS) reserves the right to decide, on a case-by-case basis, whether to reject a bid with modifications or additions as non-responsive. As a precondition to bid acceptance, the MDPS may request the bidder to withdraw or modify those portions of the bid deemed non-responsive that do not affect quality, quantity, price, or delivery of the service. Bids submitted via facsimile (fax), or email will not be accepted.

1.1.1 Timeline

Task	Date
Advertisement Dates for IFB	March 24, 2025; March 31, 2025
Receive Questions & Answers for Clarification Dates	Starting 8:00 a.m. CST, Monday March 24, 2025, to Wednesday, April 9, 2025, at 5:00 p.m. CST. Please email questions to bjwesley@dps.ms.gov or sonya.williams@dps.ms.gov
Respond in Writing to Clarification	Tuesday, April 15, 2025
Bid Submission Deadline	No later than 10:00 a.m. CST Thursday April 24, 2025
Bid Opening Date	Thursday, April 24, 2025
Anticipated Award notification date	Thursday, May 1, 2025
Request for Reconsideration date and time	Tuesday May 6, 2025, 5:00 p.m. CST
Anticipated Contract Start Date	June 11, 2025.

Note: MDPS reserves the right to adjust the Procurement Schedule as it deems necessary.

1.1.2 Late Submissions

A bid received at the place designated in the solicitation for receipt of bids after the exact time specified for receipt will not be considered unless it is the only bid received, or it is received before award is made and was sent by registered or certified mail not later than the fifth ^(5th) calendar day before the date specified for receipt of bids. It must be determined by the Mississippi Department of Public Safety that the late receipt was due solely to mishandling by the Mississippi Department of Public Safety after receipt at the specified address.

The only acceptable evidence to establish the date of mailing of a late bid is the U.S. Postal Service postmark on the wrapper or on the original receipt from the U.S. Postal Service. If the postmark does not show a legible date, the contents of the envelope or package shall be processed as if mailed late. "Postmark" means a printed, stamped, or otherwise placed impression, exclusive of a postage meter impression, that is readily identifiable without further action as having been supplied and affixed by the U.S. Postal Service on the date of mailing. Bidders should request postal clerks to place a hand cancellation postmark (often called a bull's eye) on both the receipt and the envelope or wrapper.

The only acceptable evidence to establish the time of receipt at the office identified for bid opening is the time and date stamp of that office on the bid wrapper or other documentary evidence of receipt used by that office.

1.1.3 Contact and Questions/Requests for Clarification

Bidders must carefully review this solicitation, risk management provisions, and all attachments for defects, questionable, or objectionable material. Following review, vendors may have questions to clarify or interpret the Information for Bid (IFB) in order to submit the best bid possible. To accommodate the questions and requests for clarifications, vendors shall submit any such question via email by the deadline reflected in Section 1. All questions and requests for clarifications must be directed by email to:

Britney Wesley or (601) 987-1407 bjwesley@dps.ms.gov	or	Sonya Williams (601)987-1467 sonya.williams@dps.ms.gov
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- Vendors should enter “IFB RFX 3160007282” Questions” as the subject for the email. Question submittals should include a reference to the applicable IFB section and be submitted in the format shown below:

	IFB Number	Section, Page	Vendor Question/Request for Clarification
1.			

- Official responses will be provided only for questions submitted as described above and only to clarify information already included in the IFB. The identity of the organization submitting the question(s) will not be revealed. All questions and answers will be published on the Mississippi Contract/Procurement Opportunity Search Portal website and the agency's website as an amendment to the IFB by the date and time reflected in Section 1.
- The agency will not be bound by any verbal or written information that is not contained within this IFB unless formally noticed and issued by the contact person as an IFB amendment. Bidders are cautioned that any statements made by agency personnel that materially change any portion of the bid document shall not be relied upon unless subsequently ratified by a formal written amendment to the bid document.
- All vendor communications regarding this IFB must be directed to the Bid Coordinator. Unauthorized contact regarding the IFB with other employees of the agency may result in the vendor being disqualified, and the vendor may also be suspended or disbarred from the State.

1.2 Expenses Incurred Preparing Bid

All parties participating in the procurement process with regard to this solicitation shall bear their own costs of participation, pursuant to Section 1.4.4 of the *Public Procurement Review Board Office of Personal Service Contract Review Rules and Regulations*.

1.3 Bid

All pricing must be submitted on the bid (**Attachment B**). Failure to complete and/or sign the bid may result in the bidder being determined nonresponsive.

1.3.1 Bidder Certification

The bidder agrees that submission of a signed bid is certification that the bidder will accept an award made to it as a result of the submission.

1.4 Registration with Mississippi Secretary of State

By submitting a bid, the bidder certifies that it is registered to do business in the State of Mississippi as prescribed by the Mississippi Secretary of State or, if not already registered, that it will do so within seven (7) business days of being offered an award. Sole proprietors are not required to register with the Mississippi Secretary of State.

1.5 Debarment

By submitting a bid, the bidder certifies that it is not currently debarred from submitting bids for contracts issued by any political subdivision or agency of the State of Mississippi or Federal government and that it is not an agent of a person or entity that is currently debarred from submitting bids for contracts issued by any political subdivision or agency of the State of Mississippi.

1.6 Acknowledgement of Amendments

Should an amendment to the IFB be issued, it will be posted on the Mississippi Contract/Procurement Opportunity Search Portal website and the agency's website in a manner that all bidders will be able to view. Further, bidders shall acknowledge receipt of any amendment to the solicitation in writing by signing and returning the amendment with the bid, by identifying the amendment number and date in the space provided for this purpose on the bid form, or by letter. Each bidder shall submit a written acknowledgement of every amendment to MDPS on or before the submission deadline.

1.6.1

Bidder must provide a signed Acknowledgements of IFB Amendment(s), Questions, and Answer document(s), and/or Summary of Pre-Bid Conference, Tour, or Site Visit, if any were issued/posted on the Mississippi Contract/Procurement Opportunity Search Portal website and the agency's website.

1.6.2

The IFB is comprised of the base IFB document, any attachments, any amendments issued prior to the submission deadline, and any other documents released before contract award.

1.7 Type of Contract

Compensation for services will be in the form of a firm fixed-price agreement.

1.8 Written Bid

All bids shall be in writing.

1.9 Rejection of Bids

A bid response that includes terms and conditions that do not conform to the terms and conditions in the IFB document is subject to rejection as non-responsive. Further, submission of a bid form that is not complete and/or signed is subject to rejection as non-responsive. The agency reserves the right to permit the bidder to withdraw nonconforming terms and conditions from its bid response prior to a determination by the agency staff of non-responsiveness based on the submission of nonconforming terms and conditions. Furthermore, if a bidder's price is substantially higher than those of other bidders, meaning those in excess of a twenty-five percent (25%) differential, the bidder's price will be deemed non-responsive.

1.10. Withdrawal of Bids

If the price bid is substantially lower than those of other bidders, a mistake may have been made. A bidder may withdraw its bid from consideration if certain conditions are met:

- (1) The bid is submitted in good faith.
- (2) The price bid is substantially lower than those of other bidders because of a mistake.
- (3) The mistake is a clerical error, not an error of judgment; and,
- (4) Objective evidence drawn from original work papers, documents, and other materials used in the preparation of the bid demonstrates clearly that the mistake was an unintentional error in arithmetic or an unintentional omission of a quantity of labor or material.

To withdraw a bid that includes a clerical error after bid opening, the bidder must give notice in writing to the agency of claim of right to withdraw a bid. Within two (2) business days after the bid opening, the bidder requesting withdrawal must provide to the agency all original work papers, documents, and other materials used in the preparation of the bid.

A bidder may also withdraw a bid, prior to the time set for the opening of bids, by simply making a request in writing to the agency. No explanation is required.

No bidder who is permitted to withdraw a bid shall, for compensation, supply any material or labor to or perform any subcontract or other work for the person to whom the contract is awarded, or otherwise benefit from the contract.

No partial withdrawals of a bid are permitted after the time and date set for the bid opening; only complete withdrawals are permitted.

SECTION 2

2.1 Purpose

The MDPS is seeking to establish a contract for customized testing and reporting services for DNA extraction, quantification, typing and SNP/FGG analysis on behalf of the Mississippi Forensics Laboratory (MSFL). It is understood that any contract resulting from 3160007282 requires approval by the Public Procurement Review Board (PPRB). If any contract resulting from 3160007285 is not approved by the Public Procurement Review Board, it is void and no payment shall be made.

2.2 Scope of Services

The Contractor will perform the following services upon request of the Mississippi Forensics Laboratory (MSFL), in fulfillment the purposes of this contract:

Vendor Requirement Bid Specifications:

The vendor laboratory will process DNA extraction, quantification, typing and SNP/FGG analysis based on the information provided from consultation with the Mississippi Forensics Laboratory DNA personnel.

Scope of Work

- The vendor laboratory responding to this bid solicitation must be a forensic testing laboratory.
- The vendor laboratory must be an accredited laboratory against testing standards ISO 17025.
- The vendor laboratory must follow the latest revision of the FBI's Quality Assurance guidelines and have audit records available for review.
- The vendor laboratory must perform all testing within their private laboratory; further subcontracting of services is not allowed.
- The vendor must submit pricing per service requested; for example, price should include a separate cost for extraction, quantification, Auto STR, Y-STR, mitochondrial DNA, Forensic Genealogy/SNP, and database upload and records searching, and be available as a la carte services.
- The vendor is expected to maintain a turn-around-time (TAT) of 120 days from date of receipt of the sample.
- The vendor shall meet the following technical specifications and operational impact:

DNA Extraction from Skeletal Remains or other Forensic Evidentiary Items

- DNA extraction of pulverized bone sample skeletal remains or other forensic evidentiary items must be performed using QIAGEN EZ1/2 DNA Investigator chemistry
- If the sample material is bone, the bone shall be cleaned prior to extraction to minimize contamination.
- Two samples of bone material (~200 mg each) shall be collected.
- The second pulverized bone sample shall be returned to the Mississippi Forensics Laboratory (MSFL) for storage; the weight of the sample returned shall be documented and provided to the laboratory upon completion
- One half (1/2) of the any other forensic evidentiary item may be tested; the other ½ must be returned to the MSFL.
- Detailed descriptions of how much of the items were tested must be included in the case notes.
- Reagent blanks must be processed with the samples during DNA extraction.
- If a DNA extract is submitted for typing, the vendor laboratory must begin processing by quantification of the sample prior to downstream processes.
- The vendor must have detailed DNA extraction procedures available for review.
- The vendor must have specialized processing techniques for swabbing and processing swabs for contact DNA from firearms.

- The vendor must have specialized processing techniques for vacuum filtration of DNA from liquid samples.
- The vendor must be willing to provide free case reviews and consultation of evidence associated with the case.
- All forensic DNA testing must be performed in-house; no sub-contracting for any method is allowed.

Quantification using quantitative PCR

- All extractions must be quantified using real-time PCR
- QIAGEN Quantiplex PRO or Applied Biosystems Quantifiler Trio are allowable quantification chemistries

Autosomal STR, Y-STR, and Mitochondrial DNA profile generation

- Generation of an autosomal STR profile using the expanded CODIS Core loci using the Globalfiler PCR amplification kit
- Generation of a Y-STR profile using the Applied Biosystems Yfiler Plus PCR amplification kit
- Twenty-five (25) uL reaction volumes shall be used for autosomal and Y-STR amplifications to minimize inhibition of co-extracts
- Generation of a mitochondrial DNA profile using PCR within the mtDNA control region
- Positive and negative controls, and amplification blanks shall be processed during all PCR events
- Profiles for all samples must be generated and provided to the MSFL for review and entry into CODIS

Forensic Genealogy/ SNP Profile Development

- Generation of a SNP profile (whole genome or targeted SNP) should be universally compatible with genealogical databases and be compatible with typical genealogical tools that leverage shared segments and centimorgan calculations (cM) to help identify and characterize genetic relationships.
- Laboratory and staff performing the work must be located within the United States
- Laboratory should demonstrate key forensic workflow features such as chain of custody, unidirectional workflow, and other forensic best practices
- The vendor must provide documented chain of custody
- The vendor must provide details of the technology and methodology used to generate the whole genome or targeted SNP.

DNA Database Upload and Records Research/ Genealogy

- Vendor must provide genealogical services to include upload of SNP profiles to GEDmatch and Family Tree DNA and other databases that support law enforcement search.
- Vendor must provide utilize in-house staff to perform genealogical research; volunteers or non-staff members may not be used.
- Vendor must provide kinship comparisons of SNP profiles that do not require upload to public or online databases.
- Vendor must provide a direct comparison forensic report between two samples that provide details of a genetic relationship, as well as an analysis of all potential relationships, should the forensically investigative genealogy results generate a lead within the database.

State- and Region-Specific Case Experience

- Proven success generating SNP profiles and genealogical results from the extremely old, degraded skeletal material.

Documentation and Testimony

- Vendor must provide a secure, 24/7 self-service electronic system for documenting and evaluating forensic genetic genealogy test requests
- The vendor must provide casework details including, but not limited to, chain-of-custody, laboratory methods, summary report generation, and technical review documentation
- Vendor shall provide forensic reports to document all steps of the laboratory and investigative process
- If court testimony is needed, a separate quote will be requested and a purchase order submitted.

Technical Evaluation

- Vendor's technical response must successfully demonstrate the capability to meet the RFP requirements. This includes providing responses documenting the ability to meet the required specifications for all services noted within this document.
- Vendor's professional references must include names and addresses or organizations with whom the vendor laboratory previously contracted with to provide similar services. A minimum of three (3) reference laboratories.

2.2.1 The Contractors shall:

- Assign a Contractor Account Representative to work directly with the Contracting Agency Representative.
- All state facilities are non-smoking; the Contractor and its personnel must adhere to this requirement. The use of tobacco products is prohibited, except within designated smoking areas.
- It is illegal to have in one's possession any illegal drug or alcoholic beverage while on state property.

- The Contractor's employees should refrain from using foul, abusive, or profane language on state property.
- The MDPS reserves the right to inspect and search all Contractor personnel and/or vehicles anytime while on facility grounds.
- Contractors are required to sign-in and sign-out at most state facilities. Security provisions for all state facilities must be strictly observed.
- Be responsible for all damages and shall be held responsible for replacing or repairing any damage due to negligence on the part of the Contractor or Contractor personnel to any person(s) and/or property. The Contractor shall replace and repair any damage to any building or property, including but not limited to the replacement of any cracked or broken concrete (sidewalks, curbs, etc.) caused by on-site activities. Contracting Agency may withhold payment or make such deductions as deemed necessary to ensure reimbursement or replacement for loss or damage to property.
- Exercise precautions at all times for the protection of persons (including employees) and property. The Contractor shall make such investigations to enable them to fully understand the facilities, difficulties, and restrictions attending the execution of the work on-site. The project shall at all times be properly supervised and adequately manned by an experienced crew of appropriate size. All work shall be accomplished by skilled workers familiar with and trained to do this type of work. Workers shall be qualified to operate and/or use the equipment necessary to accomplish this work. The Contractor shall be responsible for the supervision and direction of the work performed by its personnel. The Contractor shall be responsible for instructing its personnel in all safety measures. All equipment used by the Contractor shall be maintained in safe operating condition at all times and be free from defects or wear that may in any way constitute a hazard to any person or persons on state property. All incidents involving agency property or personnel shall be reported to the designated agency contact immediately upon occurrence.
- Abide by all State and/or agency policies, procedures, ordinances, and/or laws pertaining to the Contracting Agency's operation at all times, including but not limited to the items listed above. Deviations from these policies by the Contractor or its personnel will not be tolerated and will be considered grounds for contract termination.
- Perform all services provided in the contract between the bidder/vendor and MDPS in accordance with customary and reasonable industry standards as well as in strict conformance to all laws, statutes, and ordinances and the applicable rules, regulations, methods and procedures of all government boards, bureaus, offices, and other agents. The Contractor shall be responsible for the complete performance of all work; for the methods, means, and equipment used; and for furnishing all materials, tools, apparatus, and property of every description used in connection therewith. No statement within this IFB shall negate compliance with any applicable governing regulation. The absence of detail specifications or the omission of detail description shall be recognized as meaning that only the best commercial practices are to prevail, and that only first quality materials and workmanship are to be used.

2.2.2 The Contractors shall also:

- Administer and maintain all employment and payroll records, payroll processing, and payment of payroll checks and taxes, including the deductions required by state, federal, and local laws such as social security and withholding taxes for their business and employees.
- Make all unemployment compensation contributions as required by federal and state law(s) and process claims as required for their business and employees.
- Perform a background check and/or drug screening prior to placement if requested by the Contracting Agency and verify and/or provide the results; and,
- Replace immediately, at no additional expense to the Contracting Agency, any employee not performing satisfactorily.

2.3 Term

The term of the contract shall be for a period of 12 months. Upon written agreement of both parties at least 90 days prior to each contract anniversary date, the contract may be renewed by the MDPS for a period of 4 successive one-year periods(s) under the same prices, terms, and conditions in the original contract subject to approval by PPRB. The total number of renewal years permitted shall not exceed 4. Contract renewals will be evaluated based on the availability of funds, changes in program direction, ability of the contractor to meet scheduled deliveries and milestones in a satisfactory manner and satisfactorily performing all duties of the contract. There will be approximately 2,164 samples. The sample will consist of mostly seized drugs in the form of plant material, crystalline material, powders, and pills. The total term length of the resulting contract shall not exceed four years with yearly renewal option.

2.3.1 Multi-Term Contracts

Unless otherwise provided by law, a contract for services may be entered for one-year multi-term with an option of four yearly renewals the term of the contract and conditions of renewal or extension, if any, are included in the solicitation and funds available for the first fiscal period at the time of contracting. Payment and performance obligations for succeeding fiscal periods shall be subject to the availability and appropriation of funds.

2.3.1.1 Requirements

- Must be a private vendor laboratory.
- A unit price shall be given for each service, and that unit price shall be in the same throughout the contract.
- This contract will be canceled if funds are not appropriated or otherwise made available to support the continuation of performance in any fiscal period succeeding the first; however, this does not affect either the State's right or the contractor's rights under any termination clause in the contract.
- The Procurement Officer must notify the contractor on a timely basis that the funds are or are not available for the continuation of the contract for each succeeding fiscal period.

- A multi-term contract may be awarded to the bidder whose submit the lowest and best bid. To determine which bid is the lowest, MDPS will take the sum of each bidder subtotal price. Since bid is being awarded to lowest and best bid, Bidder must bid on all items. Failure to bid on all items will cause for rejection of bid.

SECTION 3

3.1 Insurance

The successful vendor shall maintain at least the minimum level of worker's compensation insurance, comprehensive general liability or professional liability insurance, with minimum limits of \$1,000,000.00 per occurrence. All workers' compensation, comprehensive general liability, professional liability insurance and fidelity bond insurance will provide coverage to DPS as an additional insured. DPS reserves the right to request from carriers' certificates of insurance regarding the required coverage. Insurance carriers must be licensed or hold a Certificate of Authority from the Mississippi Department of Insurance. The contractor must be prepared to provide evidence of required insurance upon request by DPS at any point during the contract period and should consult with legal counsel regarding its obligations.

SECTION 4

4.1 Basis for Award

- All bids will be reviewed first to determine whether a vendor is responsive, responsible, and/or acceptable. Requirements are not assigned a point percentage and/or score but are instead simply recorded as PASS or FAIL. Bids with errors that do not alter the substance of the bid can be accepted, and the Agency Chief Procurement Officer may allow the bidder to correct the problem prior to review as long as the irregularities are insignificant mistakes that can be waived or corrected without prejudice to other bidders.
- the Agency may cancel the solicitation or reject any bid submitted if the Agency determines it is in the Agency's best interest to do so;
- In addition to the complete unredacted version of the bid, the bidder shall also submit a copy of the bid with information the bidder deems confidential commercial and financial information and/or trade secrets in accordance with Mississippi Code Annotated §§ 25-61-9, 75-26-1 through 75-26-19, and/or 79-23-1 redacted in black.
- In addition to the complete unredacted version of the bid, the bidder shall also submit a copy of the bid with information the bidder deems confidential commercial and financial information and/or trade secrets in accordance with Mississippi Code Annotated §§ 25-61-9, 75-26-1 through 75-26-19, and/or 79-23-1 redacted in black. Notice to the bidder that the redacted version of the bid – or if a bidder does not produce a redacted version, the full bid document – will be released at the Agency's sole discretion, without notice to the bidder and will be produced as a public record exactly as submitted.

- The agency has the right to waive minor defects or variations of a bid from the exact requirements of the specifications that do not affect the price, quality, quantity, delivery, or performance time of the services being procured. If insufficient information is submitted by a bidder with the bid for the agency to properly evaluate the bid, the agency has the right to require such additional information as it may deem necessary after the time set for receipt.
- All bids which are determined to be responsive, responsible, and/or acceptable will continue on to the price bid or cost evaluation. The lowest cost bid will receive the maximum 100 points allocated to cost. The point allocations for cost on the other bids will be evaluated according to the following formula: Price of the lowest responsive and responsible bid divided by the price of the responsive and responsible bid being rated times the maximum 100 points allocated for cost equal the awarded points.

4.1.1 Award

The agency intends to award one contract to provide the services described in this IFB to the lowest responsive and responsive bidder.

4.1.2 Responsive Bidder

Bidder must submit bid which conforms in all material respects to this Invitation for Bids, 3160007282, as determined by the MS Department of Public Safety.

4.1.3 Responsible Bidder

Bidder must have capability in all respects to perform fully the contract requirements and the integrity and reliability which will assure good faith performance, as determined by MS Department of Public Safety.

4.1.4 Minimum Qualifications to be Deemed Responsive

- Bidder must have been in business and providing the services listed in IFB or in requirements and scale to those described in this Invitation for Bid for a minimum of one (1) year.
- Bidder must maintain a pool of qualified workers to fill the requests from MDPS.
- The bidder must provide three references that the vendor has contracts with providing the same scope of services.

4.2 References

These minimum qualifications are in addition to a minimum score of six on the Reference Score Sheet (**Attachment E**) from reference interviews by the MS Department of Public Safety with three bidder/contractor references (for a total minimum score of (eighteen), as well as all other requirements of this Invitation for Bids. (*See Attachments C and E.*)

Each bidder must furnish the contact person, address, and phone number for each reference. These references must be familiar with the bidder's abilities in the areas involved with this solicitation. The MS Department of Public Safety will use these references to determine the bidder's ability to perform the services. It is the responsibility of the bidder to ensure that the reference contact information is correct and current. Bidders should verify before submitting their bid that the contact person and phone number are correct for each reference. The bidder may submit as many references as desired. The MS Department of Public safety will begin contacting references at the top of the list and will continue down the list until three contacts have been reached.

References must be listed on **Attachment C**.

4.3 Nonconforming Terms and Conditions

A bid response that includes terms and conditions that do not conform to the terms and conditions in the bid document is subject to rejection as non-responsive. The MDPS reserves the right to permit the respondent to withdraw nonconforming terms and conditions from its bid response prior to a determination by the MSPS of non-responsiveness based on submission of nonconforming terms and conditions.

4.4 Conditioning Bid Upon Other Awards

Any bid which is conditioned upon receiving award of both the particular contract being solicited and another Mississippi contract shall be deemed non-responsive and not acceptable.

4.4.1

As a precondition to bid acceptance, the agency may request the bidder to withdraw or modify those portions of the bid deemed non-responsive that do not affect quality, quantity, price, or delivery of the service.

4.4.2

Any bidder claiming that its response contains information exempt from the Mississippi Public Records Act (Miss. Code Ann. §§ 25-61-1 *et seq.* and 79-23-1), shall segregate and mark the information as confidential and provide the specific statutory authority for the exemption.

4.4.3 Bid Submission Format

The bid package must be sealed and must contain the following:

- Bid Cover Sheet (**Attachment A**)
- Bid (**Attachment B**)
- References (**Attachment C**)
- Certifications and Assurances (**Attachment D**)

4.5 Bid Opening

Bid opening will be open to the public; however, this will include opening, reading aloud, and listing the bid price on each bid only. No discussions will be entered into with any bidder as to the quality or provisions of the specifications and no award will be made, either stated or implied at the bid opening.

4.6 Award Notification

Award(s) for this procurement will be posted on the Mississippi Contract/Procurement Opportunity Search Portal website and the agency website at <https://www.dps.ms.gov/>. Bidders will be notified via e-mail of the awards. Additionally, a letter will be sent to all bidders.

4.3.2 Contract Management

If the Contractor fails to adhere to the janitorial service schedule, or if the Contractor fails to satisfactorily provide the prescribed service to all or any service area, the Contracting Agency will inform the Contractor, and the Contractor shall complete corrective action within twenty-four (24) hours. No payment shall be made to the Contractor until all deficiencies have been corrected. If the Contractor exhibits a pattern of non-performance as shown by repeated deficiencies, the Contracting Agency may terminate the contract without further obligation to the Contractor.

SECTION 5

5.1 Post-Award Vendor Debriefing

A bidder, successful or unsuccessful, may request a post-award debriefing, in writing, by U.S. mail or electronic submission. The written request must be received by the Commissioner of the MS Department of Public Safety and a copy submitted to the Procurement Division within three (3) business days of notification of the contract award.

A post-award debriefing is a meeting and not a hearing; therefore, legal representation is not required. A debriefing typically occurs within five (5) business days of receipt of the request. If a bidder prefers to have a legal representation present, the bidder must notify the Commissioner of the MS Department of Public Safety in writing and identify its attorney by name, address, and telephone number. The MS Department of Public Safety will schedule and/or suspend and reschedule the meeting at a time when a Representative of the Office of the Mississippi Attorney General or a Representative of the MS Department of Public Safety's Legal Division can be present.

For additional information regarding Post-Award Debriefing, as well as the information that may be provided and excluded, please see Section 7-113 through 7-113.03, Post-Award Vendor Debriefing, of the Mississippi Office of Personal Service Contract Review Rules and Regulations.

5.2 Request for Reconsideration of Intent to Award

Any actual or prospective bidder or contractor who is aggrieved in connection with this solicitation or the outcome of the Invitation for Bids may file a reconsideration of intent to award with the Bid Coordinator, Britney Wesley, or Sonya Williams, and the Commissioner of the MS Department of Public Safety. The reconsideration shall be submitted on or before May 6, 2025, at 5:00 p.m. local time, in writing after such aggrieved person or entity know or should have known of the facts giving rise thereto. All reconsideration must be in writing, dated signed by the bidder or an individual authorized to sign contracts on behalf of the protesting bidder, the RFx number of solicitations, the date the IFB was issued, and the date the Notice of Intent to award was issued and contain a statement of the reason(s) for protest. The protesting bidder must provide facts and evidence to support the protest. A reconsideration of intent to award is considered filed when received by the Bid Coordinator, Britney Wesley, Sonya Williams, and the Commissioner of the MS Department of Public Safety, via either U.S. mail, postage prepaid, or personal delivery. Request for reconsideration filed after May 6, 2025, 5:00 p.m. local time will not be considered.

5.3 Required Contract Terms and Conditions

Any contract entered into between a Contracting Agency and a vendor/bidder shall include the required clauses found in **Attachment F** and those required by the PPRB Office of Personal Service Contract Review Rules and Regulations as updated.

5.4 Optical Contract Terms and Conditions

Any contract entered into between a Contracting Agency and a vendor/bidder may have at the discretion of the Contracting Agency, the optional clauses found in **Attachment G** and those within the PPRB Office of Personal Service Contract Review Rules and Regulations as updated.

5.5 Mississippi Contract/Procurement Opportunity Search Portal

This Invitation for Bids, and the questions and answers concerning this Invitation for Bids, are posted on the Contract/Procurement Opportunity Search Portal.

5.5.1 Agency Website

This IFB, questions and answers concerning this IFB, and the Notice of Intent to Award will be posted on the agency website at <https://www.dps.ms.gov/> and on the Mississippi Contract/Procurement Opportunity Search Portal website.

5.6 Attachments

The attachments to this Invitation for Bids are made a part of this Invitation for Bids as if copied herein in words and figures.

ATTACHMENT A

Bid Cover Sheet

The Mississippi Department for Public Safety is seeking to establish a contract for Customized Testing and Reporting Services for DNA testing services for our Forensic Laboratory. Bids are to be submitted as listed below, on or before 10:00 A.M. CST April 24, 2025.

PLEASE MARK YOUR ENVELOPE:

IFB 3160007282
Opening Date: April 24, 2025
Mississippi Department of
Public Safety
Attention: Britney Wesley or Sonya Williams
1900 E. Woodrow Wilson Boulevard, 4th Floor, Room 402
Jackson, MS 39216

SEALED BID — DO NOT OPEN

Name of Company: _____
Quoted By: _____
Signature: _____
Address: _____
City/State/Zip Code: _____
Company Representative: _____
Telephone: _____
Fax: _____
E-mail: _____

FEL/FIN # (if company, corporation, or partnership):	
SS# (if individual):	

Name and phone number of Company Representative to be contacted by Agencies seeking to contract for services pursuant to this IFB: _____

In addition to providing the above contact information, please answer the following questions regarding your company:

What year was your company started? _____

How many years and/or months has your company been in the business of performing the services called for in this Invitation for Bids? _____

Please provide the physical location and mailing address of your company's home office, principal place of business, and place of incorporation. _____

If your company is not physically located in the region, how will you provide Customized Testing and Reporting services to the Mississippi Forensics Laboratory? _____

Is your company currently for sale or involved in any transaction to expand or to become acquired by another business entity? If yes, please discuss the impact both in organizational and directional terms. _____

List all licenses or permits your company possesses that are applicable to performing the services required in this Invitation for Bids. _____

For how many customers has your company provided the requested service in this IFB in the past two (2) years? Please include the dates, the size of the area maintained, and the annual amount of the billing to each customer. _____

What is the largest customer your company has provided Customized Testing and Reporting assessment services for in the past two (2) years? Please include the annual amount of the billing. _____

Describe any specific service which your company offers along with any specialized experience, certification, and/or education of your current staff.

List all the equipment that your company has available or that is intended to be used to perform the services required in this Invitation for Bids.

OWNED EQUIPMENT				
Year	Make	Model	ID#	Description

RENTED/LEASED EQUIPMENT				
Year	Make	Model	ID#	Description

Attachment B

Bid for Customized Testing and Reporting Services for MSFL

Company	Company Representative	Telephone

The pricing quoted must be inclusive of, but not limited to the following:

- All required equipment and materials
- All required insurance
- All required overhead.
- All required profit
- All required transportation
- All required labor
- All required business and professional licenses, permits, fees, etc. (if any)
- Any and all other costs associated with performing the services.

The pricing must include ALL associated costs with no additional or hidden fees.

Customized Testing and Reporting Services for the MS Department of Public Safety, MS
Forensic Laboratory

RFX# 3160007282

Date: April 24, 2025 – Time: 10:00 A.M. (CST)

The pricing must include ALL associated costs with no additional or hidden fees.

*(Detailed Description of services can be found in
Section 2.2 of this IFB)*

BID FORM (Part one)	
Description	Price
Customized Testing and Reporting Services (Price per case)	\$ _____

Bid Form (Part Two)

Bidders shall acknowledge which of the following statements is applicable regarding release of its bid document as a public record. A bidder may be deemed non-responsive if the bidder does not acknowledge either statement, acknowledges both statements, or fails to comply with the requirements of the statement acknowledged. Choose one:

____ Along with a complete copy of its bid, bidder has submitted a second copy of the bid document in which all information bidder deems to be confidential commercial and financial information and/or trade secrets is redacted in black. Bidder acknowledges that it may be subject to exclusion pursuant to Chapter 15 of the PPRB OPSCR Rules and Regulations if the MSDPS or the Public Procurement Review Board determine redactions were made in bad faith in order to prohibit public access to portions of the bid which are not subject to Mississippi Code Annotated §§ 25-61-9, 75-26-1 through 75-26-19, and/or 79-23-1. Bidder acknowledges and agrees that MSDPS may release the redacted copy of the bid document at any time as a public record without further notice to bidder. A bidder who selects this option but fails to submit a redacted copy of its bid may be deemed non-responsive.

____ Bidder hereby certifies that the complete unredacted copy of its bid may be released as a public record by the MSDPS at any time without notice to bidder. Bidder explicitly waives any right to receive notice of a request to inspect, examine, copy, or reproduce its bid as provided in Mississippi Code Annotated § 25-61-9(1)(a). The bid contains no information bidder deems to be confidential commercial and financial information and/or trade secrets in accordance with Mississippi Code Annotated §§ 25-61-9, 75-26-1 through 75-26-19, and/or 79-23-1. A bidder who selects this option but submits a redacted copy of its bid may be deemed non-responsive.

Bid Form (Part Three)

By signing below, the Company Representative certifies that he/she has authority to bind the company, and further acknowledges on behalf of the company:

1. That he/she has thoroughly read and understands this Invitation for Bids, 3160007282, and the attachments herein.
2. That the company meets all requirements and acknowledges all certifications contained in this Invitation for Bids, 3160007282, and the attachments herein.
3. That the company agrees to all provisions of this Invitation for Bids, 3160007282, and the attachments herein.
4. That the company will perform, without delay, the services required at the prices quoted in Attachment B.
5. This is the best of its knowledge and belief the cost or pricing data submitted is accurate, complete, and current as of the submission date.
6. That the company has, or will secure, at its own expense, applicable personnel who shall be qualified to performed under this Invitation for Bids.

Printed Name: _____

Signature/Date: _____

Reference 1

Name of Company: _____
Dates of Services: _____
Contact Person: _____
Address: _____
City/State/Zip: _____
Telephone: _____
Fax: _____

Reference 2

Name of Company: _____
Dates of Services: _____
Contact Person: _____
Address: _____
City/State/Zip: _____
Telephone: _____
Fax: _____

Reference 3

Name of Company: _____
Dates of Services: _____
Contact Person: _____
Address: _____
City/State/Zip: _____
Telephone: _____
Fax: _____

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until 3 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Attachment D

Certifications and Assurances

I/We make the following certifications and assurances as a required element of the bid to which it is attached, of the understanding that the truthfulness of the facts affirmed here and the continued compliance with these requirements are conditions precedent to the award or continuation of the related contract(s) by circling the applicable word or words in each paragraph below:

1. REPRESENTATION REGARDING CONTINGENT FEES

By responding to the solicitation, executing the contract the contractor represents that it has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract. If the contractor cannot make such a representation, a full and complete explanation shall be submitted in writing with the offeror's response, to the Agency prior to contract execution.

2. REPRESENTATIONS REGARDING GRATUITIES

Contractor represents that it has not, is not, and will not offer, give, or agree to give any employee or former employee of MSDPS a gratuity or offer of employment in connection with any approval, disapproval, recommendation, development, or any other action or decision related to the solicitation and resulting contract. Contractor further represents that no employee or former employee of agency has or is soliciting, demanding, accepting, or agreeing to accept a gratuity or offer of employment for the reasons previously stated; any such action by an employee or former employee in the future, if any, will be rejected by contractor. Contractor further represents that it is in compliance with the Mississippi Ethics in Government laws, codified at Mississippi Code Annotated §§ 25-4-101 through 25-4-121, and has not solicited any employee or former employee to act in violation of said law.

3. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

By submitting a bid, the bidder, certifies that the prices submitted in response to the solicitation have been arrived at independently and without any consultation, communication, or agreement with any other bidder, or competitor for the purpose of restricting competition.

4. PROSPECTIVE CONTRACTOR'S REPRESENTATION REGARDING CONTINGENT FEES

Contractor represents that it has not retained any person or agency on a percentage,

commission, or other contingent arrangement to secure this contract. If the contract cannot make such a representation, a full and complete explanation shall be submitted in writing with the bidder's response to the agency prior to contract execution. The prospective Contractor represents as a part of such Contractor's bid

Name/Title:

Signature/Date:

Note: Please be sure to circle the applicable word or words provided above. Failure to circle the applicable word or words and/or to sign the bid may result in the bid being rejected as nonresponsive. Modifications or additions to any portion of this bid document may be cause for rejection of the bid.

+

ATTACHMENT E

Reference Score Sheet

TO BE COMPLETED BY MISSISSIPPI DEPARTMENT OF PUBLIC SAFETY ONLY

Bidder Name:

Reference Name:

Person Contacted, Title/Position:

Date/Time Contacted:

Service From/To Dates:

Able to provide Customized Testing and Reporting services when you called them.	Yes	No
Satisfied with the Customized Testing and Reporting services provided? If no, please explain.	Yes	No
Vendor easy to work with in scheduling services?	Yes	No
Was the Customized Testing and Reporting services completed on time and within budget?	Yes	No
Vendor listened when you had an issue and readily offered a solution? (If never had an issue, please check here.)	Yes	No
Would you enter into a contract with them again?	Yes	No
Would you recommend them?	Yes	No

Each “yes” is one point(s); each “no” is zero point(s). Bidder must have a minimum score of “6” from three references (total of “18” points) to be considered responsible and for its bid to be considered.

Score:

Do you have any business, professional or personal interest in the bidder’s organization? If yes, please explain.	Yes	No
---	-----	----

Called by:

Notes:

ATTACHMENT F

Required Clauses for Service Contracts Resulting from this Invitation for Bids

1. Applicable Law. The contract shall be governed by and construed in accordance with the laws of the State of Mississippi, excluding its conflicts of laws provisions, and any litigation with respect thereto shall be brought in the courts of Mississippi.
2. Availability of Funds. It is expressly understood and agreed that the obligation of the MSDPS to proceed under this agreement is conditioned upon the appropriation of funds by the Mississippi State Legislature and the receipt of the appropriated funds. If the funds anticipated for the continuing time fulfillment of the agreement are, at any time, not forthcoming or insufficient, regardless of the source of funding, MSDPS shall have the right upon 10 business days written notice to Contractor, to terminate this agreement without damage, penalty, cost or expense to the MSDPS of any kind whatsoever. The effective date of termination shall be as specified in the notice of termination.
3. Compliance with Equal Opportunity in Employment Policy. Contractor understands that the MSDPS is an equal opportunity employer and therefore, maintains a policy which prohibits unlawful discrimination based on race, color, creed, sex, age, national origin, physical handicap, disability, genetic information, or any other consideration made unlawful by federal, state, or local laws. All such discrimination is unlawful, and Contractor agrees during the term of the agreement that Contractor will strictly adhere to this policy in its employment practices and provision of services.
4. Compliance with Laws. Contractor shall comply with, and all activities under this agreement shall be subject to, all applicable federal, state, and local laws and regulations, as now existing and as may be amended or modified.
5. Contract Rights Contract rights do not vest in any party until a contract is legally executed. The MSDPS is under no obligation to award a contract following issuance of this solicitation.
6. E-Payment. Contractor agrees to accept all payments in United States currency via the State of Mississippi's electronic payment and remittance vehicle. The agency agrees to make payment in accordance with Mississippi law on "Timely Payments for Purchases by Public Bodies," which generally provides for payment of undisputed amounts by the agency within forty-five (45) days of receipt of invoice. Mississippi Code Annotated § 31-7-301 *et seq.*
7. E-Verification. If applicable, Contractor represents and warrants that it will ensure its compliance with the Mississippi Employment Protection Act and will register and participate in the status verification system for all newly hired employees. Mississippi Code Annotated §§ 71-11-1 and 71-11-3. Contractor agrees to provide a copy of each verification upon request of the agency subject to approval by any agencies of the United States Government. Contractor further represents and warrants that any person assigned to perform services hereafter meets the employment eligibility requirements of all immigration laws.

The breach of this clause may subject Contractor to the following:

- (1) termination of this contract and exclusion pursuant to Chapter 15 of the Public Procurement Review Board Office of Personal Service Contract Review Rules and Regulations.
 - (2) the loss of any license, permit, certification or other document granted to Contractor by an agency, department, or governmental entity for the right to do business in Mississippi; or
 - (3) both. In the event of such termination, Contractor would also be liable for any additional costs incurred by the Agency due to Contract cancellation or loss of license or permit to do business in the state.
8. Paymode. Payments by MSDPS using the state's accounting system shall be made and remittance information provided electronically as directed by the state and deposited into the bank account of Contractor's choice. The agency may, at its sole discretion, require Contractor to electronically submit invoices and supporting documentation at any time during the term of this Agreement. Contractor understands and agrees that the Agency is exempt from the payment of Mississippi taxes. All payments shall be in United States currency.
9. Procurement Regulations. This solicitation shall be governed by the applicable provisions of the Public Procurement Review Board Office of Personal Service Contract Review Rules and Regulations, a copy of which is available on the Mississippi Department of Finance and Administration's website (www.dfa.ms.gov). Any bidder responding to a solicitation for personal and professional services and any contractor doing business with a state Agency is deemed to be on notice of all requirements therein.
10. EXPENSES INCURRED IN THE PROCUREMENT PROCESS All parties participating in the procurement process with regard to this solicitation shall bear their own costs of participation, pursuant to Section 1.4.4 of the *Public Procurement Review Board Office of Personal Service Contract Review Rules and Regulations*.
11. Representation Regarding Contingent Fees. Contractor represents that it has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract. If the contractor cannot make such a representation, a full and complete explanation shall be submitted in writing with the bidder's response to the agency prior to contract execution.
12. Representation Regarding Gratuities. Contractor represents that it has not, is not, and will not offer, give, or agree to give any employee or former employee of MSDSP a gratuity or offer of employment in connection with any approval, disapproval, recommendation, development, or any other action or decision related to the solicitation and resulting contract. Contractor further represents that no employee or former employee of [Agency] has or is soliciting, demanding, accepting, or agreeing to accept a gratuity or offer of employment for the reasons previously stated; any such action by an employee or former employee in the future, if any, will be rejected by [offeror, contractor]. [Offeror, Contractor] further represents that it is in compliance with the Mississippi Ethics in Government laws, codified at Mississippi Code Annotated §§ 25-4-101 through 25-4-121, and has not solicited any employee or former employee to act in violation of said law.

13. Stop Work Order. The MSDPS may, by written order to Contractor at any time, require Contractor to stop all or any part of the work called for by this contract. This order shall be for a period of time specified by the agency. Upon receipt of such an order, Contractor shall forthwith comply with its terms and take all reasonable steps to minimize any further cost to the agency. Upon expiration of the stop work order, Contractor shall resume providing the services which were subject to the stop work order, unless the agency has terminated that part of the agreement or terminated the agreement in its entirety. The agency is not liable for payment for services which were not rendered due to the stop work order.
14. Minor Informalities and Irregularities The agency has the right to waive minor defects or variations of a bid, from the exact requirements of the specifications that do not affect the price, quality, quantity, delivery, or performance of the services being procured and if doing so does not create an unfair advantage for any bidder. If insufficient information is submitted by a bidder for the agency to properly evaluate the offer, the agency has the right to require such additional information as it may deem necessary after the submission deadline, provided that the information requested does not change the price, quality, quantity, delivery, or performance time of the services being procured and such a request does not create an unfair advantage for any bidder, offeror, applicant. (*Information requested may include, for example, a copy of business or professional licenses, or a work schedule.*)
15. Termination for Convenience. The agency head or designee may, when the interests of the Agency so require, terminate this contract in whole or in part, for the convenience of the Agency. The agency head or designee shall give written notice of the termination to Contractor specifying the part of the contract terminated and when termination becomes effective. Contractor shall incur no further obligations in connection with the terminated work and on the date set in the notice of termination Contractor will stop work to the extent specified. Contractor shall complete the work not terminated by the notice of termination and may incur obligations as are necessary to do so.
16. Termination for Default. If the agency head or designee gives the Contractor a notice that the personal or professional services are being provided in a manner that is deficient, the Contractor shall have 30 days to cure the deficiency. If the Contractor fails to cure the deficiency, the agency head or designee may terminate the contract for default and the Contractor will be liable for the additional cost to the agency to procure the personal and professional services from another source. Termination under this paragraph could result in Contractor being excluded from future contract awards pursuant to Chapter 15 of the *Public Procurement Review Board Office of Personal Service Contract Review Rules and Regulations*. Any termination wrongly labelled termination for default shall be deemed a termination for convenience.
17. Termination Upon Bankruptcy. This contract may be terminated in whole or in part by Agency upon written notice to Contractor, if Contractor should become the subject of bankruptcy or receivership proceedings, whether voluntary or involuntary, or upon the execution by Contractor of an assignment for the benefit of its creditors. In the event of such termination, Contractor shall be entitled to recover just and equitable compensation for satisfactory work performed under this contract, but in no case shall said compensation exceed the total contract price.

18. Trade Secrets, Commercial and Financial Information. It is expressly understood that Mississippi law requires that the provisions of this contract which contain the commodities purchased or the personal or professional services provided, the price to be paid, and the term of the contract shall not be deemed to be a trade secret or confidential commercial or financial information and shall be available for examination, copying, or reproduction.
19. Required Public Record and Transparency. Upon execution of a contract, the provisions of the contract which contain the personal or professional services provided, the unit prices, the overall price to be paid, and the term of the contract shall not be deemed to be a trade secret or confidential commercial or financial information pursuant to Mississippi Code Annotated § 25-61-9(7). The contract shall be posted publicly on www.transparency.ms.gov and shall be available for at the Agency for examination, inspection, or reproduction by the public. The bidder acknowledges and agrees that the agency and this contract are subject to the *Mississippi Public Records Act of 1983* codified at Mississippi Code Annotated §§ 25-61-1, *et seq.* and its exceptions, Mississippi Code Annotated § 79-23-1, and the *Mississippi Accountability and Transparency Act of 2008*, codified at Mississippi Code Annotated §§ 27-104-151, *et seq.*
20. Acknowledgement of Amendments. Bidders shall acknowledge receipt of any amendment to the solicitation in writing by signing and returning the amendment with the bid, by identifying the amendment number and date in the space provided for this purpose on the bid form, or by letter. Each bidder shall submit a written acknowledgement of every amendment to MDPS on or before the submission deadline.
21. Approval. It is understood that if this contract requires approval by the Public Procurement Review Board (“PPRB”) and/or the Department of Finance and Administration Office of Personal Service Contract Review (“OPSCR”), and this contract is not approved by PPRB and/or OPSCR, it is void and no payment shall be made hereunder.
21. Property Rights. Property rights do not inure to any bidder, until such time as services have been provided under a legally executed contract. No party responding to this solicitation has a legitimate claim of entitlement to be awarded a contract or to the provision of work thereunder. MSDPS is under no obligation to award a contract and may terminate a legally executed contract at any time.
22. Certification of Independent Price Determination: By submitting a bid, the bidder, certifies that the prices submitted in response to the solicitation have been arrived at independently and without any consultation, communication, or agreement with any other bidder, or competitor for the purpose of restricting competition.

ATTACHMENT G

Optional Clauses for Use in Service Contracts Resulting from this Request for Bid

1. Confidentiality. Notwithstanding any provision to the contrary contained herein, it is recognized that Agency is a public agency of the State of Mississippi and is subject to the Mississippi Public Records Act. Mississippi Code Annotated §§ 25-61-9 *et seq.* If a public records request is made for any information provided to Agency pursuant to the agreement and designated by the Contractor in writing as trade secrets or other proprietary confidential information, Agency shall follow the provisions of Mississippi Code Annotated §§ 25-61-9 and 79-23-1 before disclosing such information. The Agency shall not be liable to the Contractor for disclosure or information required by court or required by law.
2. Debarment and Suspension. Contractor certifies to the best of its knowledge and belief, that it:
 - (1) is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transaction by any federal department or agency or any political subdivision or agency of the State of Mississippi.
 - (2) has not, within a three-year period preceding this bid, been convicted of or had a civil judgement with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction.
 - (3) has not, within a three-year period preceding this bid, been convicted of or had a civil judgement rendered against it for a 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.
 - (4) is not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of these offenses enumerated in paragraphs two (2) and (3) of this certification; and,
 - (5) has not, within a three-year period preceding this bid, had one or more public transactions (federal, state, or local) terminated for cause or default.
3. Force Majeure. Each party shall be excused from performance for any period and to the extent that it is prevented from performing any obligation or service, in whole or in part, as a result of causes beyond the reasonable control and without the fault or negligence of such party and/or its subcontractors. Such acts shall include without limitation acts of God, strikes, lockouts, riots, acts of war, epidemics, governmental regulations superimposed after the fact, fire, earthquakes, floods, or other natural disasters (“force majeure events”). When such a cause arises, Contractor shall notify the State immediately in writing of the cause of its inability to perform, how it affects its performance, and the anticipated duration of the inability to perform. Delays in delivery or in meeting completion dates due to force majeure events shall automatically extend such dates for a period equal to the duration of the delay

caused by such events, unless the State determines it to be in its best interest to terminate the agreement.

4. Ownership of Documents and Work Papers. Agency shall own all documents, files, reports, work papers and working documentation, electronic or otherwise, created in connection with the project, which is the subject of this agreement, except for Contractor's internal administrative and quality assurance files and internal project correspondence. Contractor shall deliver such documents and work papers to Agency upon termination or completion of the agreement. The foregoing notwithstanding, Contractor shall be entitled to retain a set of such work papers for its files. Contractor shall be entitled to use such work papers only after receiving written permission from Agency and subject to any copyright protections.
5. Record Retention and Access to Records. Provided Contractor is given reasonable advance written notice and such inspection is made during normal business hours of Contractor, the State or any duly authorized representatives shall have unimpeded, prompt access to any of Contractor's books, documents, papers and/or records which are maintained or produced as a result of the project for the purpose of making audits, examinations, excerpts, and transcriptions. All records related to this agreement shall be retained by Contractor for three (3) years after final payment is made under this agreement and all pending matters are closed; however, if any audit, litigation or other action arising out of or related in any way to this project is commenced before the end of the three-year period, the records shall be retained for one (1) year after all issues arising out of the action are finally resolved or until the end of the three-year period, whichever is later.
6. Right to Audit. Contractor shall maintain such financial records and other records as may be prescribed by the Agency or by applicable federal and state laws, rules, and regulations. Contractor shall retain these records for a period of three (3) years after final payment, or until they are audited by the Agency, whichever event occurs first. These records shall be made available during the term of the contract and the subsequent three-year period for examination, transcription, and audit by the Mississippi State Auditor's Office, its designees, or other authorized bodies.
7. Severability. If any part of this agreement is declared to be invalid or unenforceable, such invalidity or unenforceability shall not affect any other provision of the agreement that can be given effect without the invalid or unenforceable provision, and to this end the provisions hereof are severable. In such event, the parties shall amend the agreement as necessary to reflect the original intent of the parties and to bring any invalid or unenforceable provision, and to this end the provisions hereof are severable. In such event, the parties shall amend the agreement as necessary to reflect the original intent of the parties and to bring any invalid or unenforceable provisions in compliance with applicable law.
8. Waiver. No delay or omission by either party to this agreement in excising any right, power, or remedy hereunder or otherwise afforded by contract, at law, or in equity shall constitute

an acquiescence therein, impair any other right, power or remedy hereunder or otherwise afforded by any means, or operate as a waiver of such right, power or remedy hereunder or otherwise afforded by any means, or operate as a waiver of such right, power, or remedy. No waiver of or modification to any term or condition of this agreement will avoid, waive, or change any other term or condition. No waiver by one party to this agreement of a default by the other part will imply, be construed as or require waiver of future or other defaults.

Proof of Advertisement



Mississippi
GANNETT

PO Box 632030 Cincinnati, OH 45263-2030

AFFIDAVIT OF PUBLICATION

Sonya Williams
Procurement Department / MS Dept. of Public Safety
P.O. Box 958
Jackson MS 39205

STATE OF WISCONSIN, COUNTY OF BROWN

Before the undersigned authority personally appeared, who on oath says that he/she is a Legal Advertising Representative of The Clarion-Ledger, a newspaper as defined and prescribed in Sections 13-3-31 and 13-3-32, of the Mississippi Code of 1972, as amended, who, being duly sworn, states that the notice, a true copy of which is hereto attached, to be issues of said newspapers editions date as follows:

03/24/2025, 03/31/2025

That said newspaper was regularly issued and circulated on those dates and that the fees charged are legal.

Sworn to and subscribed before on 03/31/2025

Legal Clerk

Notary, State of WI, County of Brown

My commission expires

Publication Cost:	\$77.90	
Tax Amount:	\$0.00	
Payment Cost:	\$77.90	
Order No:	11149564	# of Copies:
Customer No:	1010581	1
PO #:		

THIS IS NOT AN INVOICE!

Please do not use this form for payment remittance.

NICOLE JACOBS
Notary Public
State of Wisconsin

Customized Testing and Reporting Services for Human DNA testing services for the MS Department of Public Safety, MS Forensics Laboratory (MSFL)

IFB #3160007282

Thursday, April 24, 2025
10:00 A.M. Local Time

Notice is hereby given by the Purchasing officer of the Mississippi Department of Public Safety that sealed written bids will be received by the undersigned at the address of the MS Department of Public Safety, 4th Floor, Room 402, Procurement Department, 1900 East Woodrow Wilson Avenue, Jackson, MS 39216, Thursday, April 24, 2025, at 10:00 a.m. to establish profile service for the Mississippi Forensics Laboratory (MSFL).

Specifications may be obtained from the Procurement Department at the above address, or you may contact the following individuals.

Britney Wesley Sonya Williams
601-987-1407 or 601-987-1467
bwesley@dps.ms.gov sonya.williams@dps.ms.gov

The right is reserved to reject any and/or all bids and to waive all informalities.

Witness my signature this the 19th day of March 2025.

/s/ Britney Wesley, Procurement
Mississippi Department of Public Safety
March 24, 31, 2025 #11149564

RFX



STATE OF MISSISSIPPI
MS DEPT OF PUBLIC SAFETY
AMENDMENT

Invitation for Bid

RESPONSES REQUIRED BY:
Submission Date : 04/24/2025
Submission Time : 10:00:00 CST

RESPONSES OPENED ON:
Opening Date : 04/24/2025
Opening Time : 10:00:00 CST

VENDOR NO:
VENDOR NAME & ADDRESS:
(To be completed by Vendor)

DELIVERY POINT

SUBMIT NON-ELECTRONIC RESPONSE:
TO :

RFx number : 3160007282
Smart number : 1711-25-R-IFBD-00011-V03
Buyer : Britney Wesley
Buyer Phone : (601) 965-4628
Email : BJWESLEY@DPS.MS.GOV

NOTICE TO VENDOR:
The Mississippi Department of Public Safety is seeking to provide Testing and Reporting Services for Hunman DNA Testing for the MS Forensics Laboratory.
The Mississippi Department of Public Safety is seeking to provide Testing and Reporting Services for Hunman DNA Testing for the MS Forensics Laboratory.

Vendor Telephone Number	Title	Date
(Typed or printed) Name of Bidder	Signature of Authorized Bidder	

RFX number : 3160007282		Submission Date : 04/24/2025		Time : 10:00:00 CST	
Smart number : 1711-25-R-IFBD-00011-V03		Opening Date : 04/24/2025		Time : 10:00:00 CST	
Item	Change Indicator	Product No. / Mfg. Part No.	Description	Delivery / Req. date	Qty
# 1			Product Category : 95207 Testing and Reporting Services MSFL		1.000
					EA

Agency
Webpage
Portal/Email
Bidder

Agency	Smart Number	RFx Number	Description	Status	Advertised Date	Submission Date	RFx Opening Date
DEPT OF PUBLIC SAFETY	1711-25-R-IFBD-00011	3160007282	Major Procurement PERSONNEL SERVICES NON-IT The Mississippi Department of Public Safety is seeking to pr...  Attachment - INV for 3160007282	Open	03/24/2025	04/24/2025	04/24/2025 View Contact

FileMessageHelp

Ignore

Junk

Delete

Archive

Reply

Reply All

Forward

IM

More

Meeting

Share to Teams

All Apps

Team Email

Reply & Delete

Create New

To Manager

Done

Quick Steps

Rules

Send to OneNote

Actions

Mark Unread

Categorize

Follow Up

Related

Select

Find

Read Aloud

Immersive Reader

Translate

Zoom

Reply with Scheduling Poll

Viva Insights

IFB 3160007282 Customized Testing and Reporting Services for Human DNA Testing

BW

Britney Wesley

To

Britney Wesley

Cc

Sonya Williams

Bcc

musgrove@musgrovesmith.com; Dannie Wurtz; hmourad@alchemyanalyticsms.com

INV for 3160007282.pdf

428 KB

Mon 3/24/2025 8:04 AM

Dear Bidder,

Please see attachment for Invitation for Bid (IFB). If you have any questions, please feel free to email me or Sonya Williams.

Thanks

Britney Wesley

Procurement Officer

Mississippi Department of Public Safety

P.O. Box 958

Jackson, MS 39205

Office: (601) 987-1407

Basic page *Bid/RFP Notices* has been updated.

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- Exception Letter

Complaints

File Message Help



IFB 3160007282 Customized Testing and Reporting Services for Human DNA Testing Amendment and Question and Answer



Britney Wesley

To Britney Wesley

Cc Sonya Williams

Bcc Amy Dean; Huma Nasir; hmourad@alchemyanalytics.com; musgrove@musgrovesmith.com



AMENDMENT I 3160007282.pdf
.pdf File



3160007282 Questions and Answer.pdf
.pdf File



Tue 4/8/2025 3:34 PM

Dear Bidder,
See attachment for Amendment I and Question and answer for IFB 3160007282.

Thanks

Britney Wesley
Procurement Officer
Mississippi Department of Public Safety
P.O. Box 958
Jackson, MS 39205
Office: (601) 987-1407



Basic page *Bid/RFP Notices* has been updated.

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Amendments or clarifications will be posted at this site. It is your responsibility to routinely check the website for amendments or clarifications that may be issued. It is a requirement of each RFP that you include a signed amendment form with your response. If you have questions regarding an amendment/clarification, please refer to the specific RFP for contact information.

IFB 3150006206 Sole Source Scanning Electron Microscope

IFB 3150006192 Sole Source Evofinder Automated Ballistics Identification System

IFB 3160007282 Customized Testing and Reporting Services for Human DNA Testing

- Amendment I IFB 3160007282
- Question and Answer IFB 3160007282

IFB 3140004157 Chevrolet Tahoe Police Pursuit Vehicle (2WD and 4WD)

- Question and Answer IFB 3140004157

Disclaimer

Bid/RFP Notices

Amber Alert Initial Reporting Form

Silver Alert Initial Reporting Form

Blue Alert Initial Reporting Form

Public Records Request

Complaints

gle S xCompetitive Contracts | MissisProcurement Opportunity and Pub x

www.ms.gov/dfa/contract_bid_search/Bid?autoloadGrid=true

RFX #:

3160007282

Smart Number:

Dept/Agency:

RFX Type:

CANCEL

CLEAR

SEARCH

Smart Number	RFX Number	Description	Status	Advertised Date	Submission Date	RFX Opening Date
1711-25-R-IFBD-00011-V01	3160007282	Major Procurement PERSONNEL SERVICES NON-IT The Mississippi Department of Public Safety is seeking to pr... Attachment - 3160007282 Questions and Answer Attachment - AMENDMENT I 3160007282 Attachment - INV for 3160007282	Open	03/24/2025	04/24/2025	04/24/2025

Technology Services (ITS)

ent Network

Mississippi Interactive

MS DFA: Bureau of Building

MS DFA: Office of Purchasing

MS DFA: Office of Personal Service Contract Review

Mississippi Management and Reporting System

Statewide Contract Item Catalog

MS.Gov Help Portal

ms.gov

MISSISSIPPI'S OFFICIAL STATE WEBSITE

70°F Sunny

4:09 PM
4/8/2025

MISSISSIPPI LEGISLATURE

30 3020 - history of actions/backg

30 3020 - history of actions/backg

Competitive Contracts | MISSISS

Procurement Opportunity and R

www.ms.gov/dfa/contract_bid_search/Bid?autoloadGrid=true

Smart Number:

3160007282

Dept/Agency:

RfX Type:

CANCEL

CLEAR

SEARCH

	Smart Number	RfX Number	Description	Status	Advertised Date	Submission Date	RfX Opening Date	
PUBLIC SAFETY	1711-25-R-IFBD-00011-V02	3160007282	Major Procurement PERSONNEL SERVICES NON-IT The Mississippi Department of Public Safety is seeking to pr... Attachment - 3160007282 Amendment II Attachment - 3160007282 Questions and Answer Attachment - 3160007282 Questions and Answer II Attachment - AMENDMENT I 3160007282 Attachment - INV for 3160007282	Open	03/24/2025	04/24/2025	04/24/2025	View Contact

Home | MISSISSIPPI LEGISLATIVE...SB 3020 - History of Actions/Backg...SB 3020 - History of Actions/Backg...Bid/RFP Notices | Mississippi D...+

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Basic page Bid/RFP Notices has been updated.

Bid/RFP Notices

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IFB 3150006206 Sole Source Scanning Electron Microscope

IFB 3150006192 Sole Source Evofinder Automated Ballistics Identification System

IFB 3160007282 Customized Testing and Reporting Services for Human DNA Testing

• Amendment II IFB 3160007282

• Question and Answer IFB 3160007282

• Amendment I IFB 3160007282

• Question and Answer IFB 3160007282

IFB 3140004157 Chevrolet Tahoe Police Pursuit Vehicle (2WD and 4WD)

• Question and Answer IFB 3140004157

IFB 3150006159 Sole Source EZ1 and EZ2 and DNA Investigator Kits

IFB 3150006100 Sole Source Blue Archival Cassettes with Envelopes

Footer Menu

Disclaimer

Bid/RFP Notices

Amber Alert Initial Reporting Form

Silver Alert Initial Reporting Form

Blue Alert Initial Reporting Form

Public Records Request

Complaints

Type here to search

Game

6:07 PM4/15/2025

Ignore

Junk

Delete

Archive

Reply

Reply All

Forward

More

Meeting

Share to Teams

bills

All Apps

Team Email

Reply & Delete

To Manager

Create New

Rules

Send to OneNote

Mark Unread

Categories

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Select

Find

Related

Read Aloud

Immersive Reader

Translate

Zoom

Reply with Scheduling Poll

Viva Insights

Delete

Respond

Teams

Apps

Quick Steps

Move

Tags

Editing

Immersive

Language

Zoom

Find Time

Add-in

IFB 3160007282 Customized Testing and Reporting Services for Human DNA Testing Amendment II and Question and Answer II

BW

Britney Wesley

To

Britney Wesley

Bcc

Amy Deary

Huma Nasir

Renee Walker

Katy Pizczek

3160007282 Amendment II.pdf

196 KB

3160007282 Questions and Answer II.pdf

171 KB

Reply

Reply All

Forward

More

Tue 4/15/2025 6:16 PM

Dear Bidder,
See attachment for Amendment II and Question and answer II for IFB 3160007282.

Thanks

Britney Wesley
Procurement Officer
Mississippi Department of Public Safety
P.O. Box 958
Jackson, MS 39205
Office: (601) 987-1407

The seal of the Mississippi Department of Public Safety is circular. It features a central shield with a blue field containing a white eagle with its wings spread, perched on a banner that reads "IN GOD WE TRUST". The shield is surrounded by a red border with the words "MISSISSIPPI DEPARTMENT OF PUBLIC SAFETY" in white capital letters.

Request for Reconsideration



STATE OF MISSISSIPPI
TATE REEVES, GOVERNOR
DEPARTMENT OF PUBLIC SAFETY
SEAN J. TINDELL, COMMISSIONER

MEMORANDUM

TO: Office of Personal Service Contract Review

FROM: Britney Wesley
MS Department of Public Safety

DATE: May 7, 2025

SUBJECT: IFB # 3160007282 Customized Testing and Reporting Services for
Human DNA Testing

Please allow this memorandum to serve as our notice to you that there was no request for reconsideration for the solicitation of the above Invitation for Bids.

If you have any questions, please feel free to contact me at 601-987-1407 or Sonya Williams at 601-987-1467.

Thanks

Bid Form

1. Dr. Williams
 2. George Williams
 3. James Down

Ruth W. Williams
 George Williams

John Williams

freely than

freely than

Amount of Bid	Amount of Bid
10448	10448
1055	1055
10755	10755
10805	10805
10805	10805

Bid Tabulation

MDPS BID TABULATIONS SHEET

Bid Item: IFB 3160007282 Customized Testing and Repc

Open Date: Thursday, April 24, 2025

Time: 10:00 a.m.

Evaluator's Signature:

Vendor's Bid is

responsive,
responsible

and/or acceptable Y/N

Received

Received Signed
Questions/Answers
(Y/N)

Attachment D
(Y/N)

References

[illegible]

Documents Required by Procurement

Bid No: 3160007282

IFB Customized Testing and Reporting for Human DNA Testing

Bid Date: Thursday, April, 24 2025

Bid Time: 10:00 A.M.

MS DEPARTMENT OF PUBLIC SAFETY

Sign - In

Name _____

Company/Department

Bilal

Procurement

Sara Williams

Pracurement

Bailey Gray

Procurement

Tracy Deon

Mrs Forensics Laboratory

Bid Received Log

PROPOSALS RECEIVED LOG

IFB 3160007282 Customized Testing and Reporting Service

Bid Opening Thursday April 24, 2025

DATE _____

DNA Labs International 4-25-8:45 am

Bode Cellmark Forensic

References

ATTACHMENT E

Reference Score Sheet

TO BE COMPLETED BY MISSISSIPPI DEPARTMENT OF PUBLIC SAFETY ONLY

Bidder Name: Bode Cellmark Forensics Inc
 Reference Name: Hankm County District Attorney Office
 Person Contacted, Title/Position: Mary Ginneman Asst. DA
 Date/Time Contacted: 4/30/25 12:53pm
 Service From/To Dates: 2024-2023

Able to provide Customized Testing and Reporting services when you called them.	☒ Yes	☐ No
Satisfied with the Customized Testing and Reporting services provided? If no, please explain.	☒ Yes	☐ No
Vendor easy to work with in scheduling services?	☒ Yes	☐ No
Was the Customized Testing and Reporting services completed on time and within budget?	☒ Yes	☐ No
Vendor listened when you had an issue and readily offered a solution? (If never had an issue, please check here.)	☒ Yes	☐ No
Would you enter into a contract with them again?	☒ Yes	☐ No
Would you recommend them?	☒ Yes	☐ No

Each "yes" is one point(s); each "no" is zero point(s). Bidder must have a minimum score of "6" from three references (total of "18" points) to be considered responsible and for its bid to be considered.

Score: 7

Do you have any business, professional or personal interest in the bidder's organization? If yes, please explain.	Yes	☒ No
---	-----	-------------------------------------

Called by: Tracey Herron, MCL

Notes: Very instrumental in solving a cold case
Phone # 601-824-1472
601-824-1472 listed as

ATTACHMENT E
Reference Score Sheet

TO BE COMPLETED BY MISSISSIPPI DEPARTMENT OF PUBLIC SAFETY ONLY

Bidder Name: Bode Cellmark Forensics Inc
Reference Name: Texas Dept of Public Safety - Texas Rangers
Person Contacted, Title/Position: Lt. Trampas Gooding
Date/Time Contacted: 4/30/25 3:26pm
Service From/To Dates: 2020 - Present

Able to provide Customized Testing and Reporting services when you called them.	☒ Yes	☐ No
Satisfied with the Customized Testing and Reporting services provided? If no, please explain.	☒ Yes	☐ No
Vendor easy to work with in scheduling services?	☒ Yes	☐ No
Was the Customized Testing and Reporting services completed on time and within budget?	☒ Yes	☐ No
Vendor listened when you had an issue and readily offered a solution? (If never had an issue, please check here.)	☒ Yes	☐ No
Would you enter into a contract with them again?	☒ Yes	☐ No
Would you recommend them?	☒ Yes	☐ No

Each "yes" is one point(s); each "no" is zero point(s). Bidder must have a minimum score of "6" from three references (total of "18" points) to be considered responsible and for its bid to be considered.

Score: 7

Do you have any business, professional or personal interest in the bidder's organization? If yes, please explain.	Yes	☒ No
---	-----	-------------------------------------

Called by: Tracey Herron, MCL

Notes: Bode is one of their best vendors in the
Area of DNA processing.

ATTACHMENT E
Reference Score Sheet

TO BE COMPLETED BY MISSISSIPPI DEPARTMENT OF PUBLIC SAFETY ONLY

Bidder Name: Bode Cellmark Forensics Inc
Reference Name: Colorado Bureau of Investigations
Person Contacted, Title/Position: Came Davis
Date/Time Contacted: 4/30/25 11:53am
Service From/To Dates: 2020-Present

Able to provide Customized Testing and Reporting services when you called them.	☒ Yes	☐ No
Satisfied with the Customized Testing and Reporting services provided? If no, please explain.	☒ Yes	☐ No
Vendor easy to work with in scheduling services?	☒ Yes	☐ No
Was the Customized Testing and Reporting services completed on time and within budget?	☒ Yes	☐ No
Vendor listened when you had an issue and readily offered a solution? (If never had an issue, please check here.)	☒ Yes	☐ No
Would you enter into a contract with them again?	☒ Yes	☐ No
Would you recommend them?	☒ Yes	☐ No

Each "yes" is one point(s); each "no" is zero point(s). Bidder must have a minimum score of "6" from three references (total of "18" points) to be considered responsible and for its bid to be considered.

7

Score:

Do you have any business, professional or personal interest in the bidder's organization? If yes, please explain.	Yes	☒ No
---	-----	-------------------------------------

Called by: Tracey Herron, MCL

Notes: Just extended their contract with Bode,

Attachment C

Reference 1

Name of Company: Rankin County District Attorney's Office 10:48 left msg for Asst. DA
 Dates of Services: Nov. 2021 - Jun. 2023 DA Bramlett was shot in
 Contact Person: District Attorney John Bramlett Jr. Office - rec'd call
 Address: 215 E. Government St. 2nd Floor back @ 12:53pm
 City/State/Zip: Brandon, MS 3942
 Telephone: Office - (601) 824-1472 Cell - (601) 650-6315 601 825-1472
 Fax: (601) 825-9605

Reference 2

Name of Company: Texas Department of Public Safety - Texas Rangers left msg @ 11:02am
 Dates of Services: May 2020 - present rec'd call back
 Contact Person: Lt. Trampas Gooding @ 3:26pm
 Address: 6100 Guadalupe St. Building E, 3rd Floor
 City/State/Zip: Austin, TX 78752
 Telephone: (210) 289-0780
 Fax:

Reference 3

Name of Company: Philadelphia Police Department called @ 11:15 am
 Dates of Services: Jun 2017 - present per Assistant does
 Contact Person: Assistant Director Ryan Gallagher not work in that
 Address: 842-849 N. 8th Street office directly but
 City/State/Zip: Philadelphia, PA 19123 could not give me
 Telephone: (215) 685-3149 a number to reach
 Fax: him. possible fax
 him but did not
 provide a number.

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until 3 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Attachment C

Reference 4

Name of Company: 2nd Judicial District Attorney's Office -- Bernalillo County
Dates of Services: June 2020 - present
Contact Person: Deputy District Attorney
Address: 520 Lomas Blvd. NW
City/State/Zip: Albuquerque, NM 87102
Telephone: (505) 463-1021
Fax: _____

Reference 5

Name of Company: Colorado Bureau of Investigation
Dates of Services: May 2020 - present
Contact Person: Carmie Davis
Address: 2797 Justice Dr.
City/State/Zip: Grand Junction, CO 81506
Telephone: (303) 463-7021
Fax: _____

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until 1 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Vendor Bid Packet



STATE OF MISSISSIPPI
TATE REEVES, GOVERNOR
DEPARTMENT OF PUBLIC SAFETY
SEAN J. TINDELL, COMMISSIONER

Notice of Intent to Award IFB 3160007282

Procurement Type and Name	IFB# 3160007282
Procurement Title	Invitation for Bid to provide Customized Testing and Reporting Services for Hunam DNA for the MS Department of Public Safety (MDPS)
Opening Date and Time	MSFL April 24, 2025, at 10:00 am CST

May 2, 2025

The Mississippi Department of Public Safety (MDPS) issued an Invitation for Bids (IFB) to secure a vendor to administer Customized Testing and Reporting Services for Human DNA testing. The awarded contract term will be a one-year multi-term contract with an option of four (4) yearly renewals. The work shall consist of DNA extraction, quantification, typing and SNP/FGG based on the information provided from the consultation with the Mississippi Forensics Laboratory DNA personnel. MS Department of Public Safety MS Forensics Lab.

Amendment I amends the Invitation for bid to clarify the scope of service. Section 2.1 page 6; page 7, Autosomal STR, Y-STR, and Mitochondrial DNA profile generation; page 8, Technical Evaluation page 9; Page 15, Section 4.32. Question and Answers was released on April 8,2025.

Amendment II amends the Invitation for Bid page (12) 2.3.1.1. Requirements: Page 13 4.1.1 Award. Bid Form page 21 to clarify submission of price acceptance. Question and Answers were released on April 15,2025. All other specifications will remain the same.

Services include DNA extraction of pulverized bone sample skeletal remains or other forensic evidentiary items must be performed using QIAGEN EZ1/2 DNA Investigator chemistry. Vendor must provide genealogical services to include upload of SNP profiles to GED match and Family Tree DNA and other databases that support law enforcement search. The IFB required the winning vendor to have one (1) successful year of previous experience providing similar services listed in IFB, registered with the MS Secretary of State, and insurance coverage.

The MS Department of Public Safety released the IFB as a vendor to administer Customized Testing and Reporting Services for Services for Human DNA testing DNA RFX 3160007282 on March 24,2025. In response to the IFB, MDPS received one (2) sealed bids on April 24,2025, from the following vendors:

- DNA Labs International 700 W Hillsboro Blvd, Bldg.3 Deerfield Beach, Fl 33441
- Bode Cellmark Forensics 10430 Furnace Road Suite 107 Lorton, VA 22079

MDPS opened bids on April 24,2025. The bids were ranked as follows:

Vendor	Amount of Bid
Bode Cellmark Forensics, Inc	\$23,944.00 Grand total all four bundles
DNA Labs International	\$26,280.00 Grand total all four bundles

The MDPS reviewed the bid submitted and it was determined that the bid was responsive to the IFB and met the minimum qualifications set forth in the IFB. Based on the review, and having submitted the lowest, responsive, responsible bid, MDPS recommends the contract to be awarded to the following:

- Bode Cellmark Forensics 10430 Furnace Road Suite 107 Lorton, VA 22079

The Request for Reconsideration shall be submitted on or before May 6, 2025, at 5:00 p.m. local time, in writing after such aggrieved person or entity know or should have known of the facts giving rise thereto. All protests must be in writing, dated signed by the bidder or an individual

authorized to sign contracts on behalf of the protesting bidder, and contain a statement of the reason(s) for protest. The protesting bidder must provide facts and evidence to support the protest. A protest is considered filed when received by the Bid Coordinator, Britney Wesley, Sonya Willams, and the Commissioner of the MS Department of Public Safety, via either U.S. mail, postage prepaid, or personal delivery. The Request for Reconsideration filed after May 6, 2025, 5:00 p.m. local time will not be considered.



STATE OF MISSISSIPPI
TATE REEVES, GOVERNOR
DEPARTMENT OF PUBLIC SAFETY
SEAN J. TINDELL, COMMISSIONER

May 2, 2025

Mr. Mike Cariola
Bode Cellmark Forensics
10430 Furnace Road Suite 107
Lorton, VA 22079

RE: Invitation for Bids #3160007282 to provide Customized Testing and Reporting Services for Human DNA testing for the Mississippi Department for Public Safety (MDPS) Forensic Laboratory.

Dear Mr. Cariola

The MS Department of Public Safety would like to thank you for your time, effort and interest in the Invitation for Bids to provide Customized Testing and Reporting Services for Human DNA testing MDPS.

We are writing this letter because we are accepting your bid.

Pending final approval from the Public Procurement Review Board, someone from the MS Department of Public Safety will contact you to obtain your signature that is needed to execute a contract agreement.

If you have any questions, please do not hesitate to contact me at 601-987-1407 or bjweslev@dps.ms.gov.



Britney Wesley, Procurement Officer
/bw

ATTACHMENT A

Bid Cover Sheet

The Mississippi Department for Public Safety is seeking to establish a contract for Customized Testing and Reporting Services for DNA testing services for our Forensic Laboratory. Bids are to be submitted as listed below, on or before 10:00 A.M. CST April 24, 2025.

PLEASE MARK YOUR ENVELOPE:

IFB 3160007282
Opening Date: April 24, 2025
Mississippi Department of
Public Safety
Attention: Britney Wesley or Sonya Williams
1900 E. Woodrow Wilson Boulevard, 4th Floor, Room 402
Jackson, MS 39216

SEALED BID — DO NOT OPEN

Name of Company: Bode Cellmark Forensics, Inc.
Quoted By: Mike Carlola
Signature: 
Address: 10430 Furnace Road, Suite 107
City/State/Zip Code: Lorton, VA 22079
Company Representative: Renee Walker
Telephone: 703-646-9875
Fax: 703-646-9742
E-mail: contracts@bodetech.com

FBI/FIN # (if company, corporation, or partnership):	54-1750293
SS# (if individual):	

Name and phone number of Company Representative to be contacted by Agencies seeking to contract for services pursuant to this IFB:

Renee Walker - 703-646-9875 or contracts@bodeitech.com

In addition to providing the above contact information, please answer the following questions regarding your company:

What year was your company started?	1995
How many years and/or months has your company been in the business of performing the services called for in this Invitation for Bids?	Since 2019
Please provide the physical location and mailing address of your company's home office, principal place of business, and place of incorporation.	10430 Furnace Road, Suite 107, Lorton, VA 22079. Bode is incorporated in Delaware.
If your company is not physically located in the region, how will you provide Customized Testing and Reporting services to the Mississippi Forensics Laboratory?	Bode will provide the services at its Lorton, VA laboratory. Evidence will be shipped to Bode via overnight delivery with signature upon receipt. This shipping method will maintain an intact chain of custody. The evidence will be returned in the same manner. Meetings between Bode and MSFL can be held via teleconference and/or video calls.
Is your company currently for sale or involved in any transaction to expand or to become acquired by another business entity? If yes, please discuss the impact both in organizational and directional terms.	No, Bode is not currently or planning to be for sale.
List all licenses or permits your company possesses that are applicable to performing the services required in this Invitation for Bids.	ISO 17025-accredited. All STR, YSTR and mtDNA processing is conducted to QAS standards.
For how many customers has your company provided the requested service in this IFB in the past two (2) years? Please include the dates, the size of the area maintained, and the annual amount of the billing to each customer.	FIGG has been provided to 65 different entities since 11/1/2021 across the United States. Annual Billing ranged from \$2,295 to \$82,000 depending on client and submission rate.
What is the largest customer your company has provided Customized Testing and Reporting assessment services for in the past two (2) years? Please include the annual amount of the billing.	Philadelphia Police Office of Forensic Science for FIGG 2022 - \$82,000 in FIGG; 2023 - \$81,000 for FIGG

Describe any specific service which your company offers along with any specialized experience, certification, and/or education of your current staff. Bode's analysts have an average 5+ years of experience in forensic DNA processing and Bode's genealogists have extensive experience in genetic genealogy with four as educators at well respected genealogy graduate certificate programs.

List all the equipment that your company has available or that is intended to be used to perform the services required in this Invitation for Bids. Please see attached list of owned equipment as ATTACHMENT 2.

OWNED EQUIPMENT				
Year	Make	Model	ID#	Description

RENTED/LEASED EQUIPMENT				
Year	Make	Model	ID#	Description

ATTACHMENT 2

Bode has available the following equipment for use on this project:

- (2) Hamilton Vantage liquid handlers
- (5) Qiagen EZ1 extraction robots
- (3) Qiagen BioSprint96 extraction robots
- (5) ABI 7500 real-time quantitative PCR systems
- (28) ABI 9700 thermalcyclers
- (1) Hamilton STAR liquid handler
- (2) Hamilton STARlet liquid handlers
- (1) TECAN EVO liquid handler
- (5) ABI 3500xl genetic analyzers
- (1) EZ2
- (1) MiSeq FGx Sequencing System
- (3) Veriti Pro 96 Well Thermal Cycler
- (2) Qubit 4.0 Fluorometer
- (1) Agilent 4150 TapeStation System and Software
- (1) Element Biosciences AVITI Sequencing System



Attachment B

Bid for Customized Testing and Reporting Services for MSFL

Company	Company Representative	Telephone
Bode Cellmark Forensics, Inc.	Michael Carlola	703-646-9876

The pricing quoted must be inclusive of, but not limited to the following:

- All required equipment and materials
- All required insurance
- All required overhead.
- All required profit
- All required transportation
- All required labor
- All required business and professional licenses, permits, fees, etc. (if any)
- Any and all other costs associated with performing the services.

The pricing must include ALL associated costs with no additional or hidden fees.

Customized Testing and Reporting Services for the MS Department of Public Safety, MS
Forensic Laboratory

RFX# 3160007282

Date: April 24, 2025 – Time: 10:00 A.M. (CST)

The pricing must include ALL associated costs with no additional or hidden fees.

***(Detailed Description of services can be found in
Section 2.2 of this IFB)***

<i>BID FORM (Part one)</i>	
Description	Price
Price Per Specialty Bundle	
Extraction, quant, amp, CE, data + YFP	\$ <u>\$2,296.00</u>
Extraction, quant, amp, CE, data + FGG	\$ <u>\$9,676.00</u>
Extraction, quant, amp, CE, data + YFP, + FGG	\$ <u>\$10,448.00</u>
Extraction, quant, amp, CE, data	\$ <u>\$1,524.00</u>
Grand Total (Price for all four Specialty Bundles)	\$ <u>\$23,944.00</u>

Reference 1

Name of Company: Rankin County District Attorney's Office
Dates of Services: Nov. 2021 – Jun. 2023
Contact Person: District Attorney John Bramlett Jr.
Address: 215 E. Government St. 2nd Floor
City/State/Zip: Brandon, MS 3942
Telephone: Office – (601) 824-1472; Cell – (601) 650-6315
Fax: (601) 825-9605

Reference 2

Name of Company: Texas Department of Public Safety – Texas Rangers
Dates of Services: May 2020 - present
Contact Person: Lt. Trampas Gooding
Address: 6100 Guadalupe St. Building E, 3rd Floor
City/State/Zip: Austin, TX 78752
Telephone: (210) 289-0780
Fax:

Reference 3

Name of Company: Philadelphia Police Department
Dates of Services: Jun 2017 - present
Contact Person: Assistant Director Ryan Gallagher
Address: 842-849 N. 8th Street
City/State/Zip: Philadelphia, PA 19123
Telephone: (215) 685-3149
Fax:

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until 3 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Attachment C

Reference 4

Name of Company: 2nd Judicial District Attorney's Office – Bernalillo County
Dates of Services: June 2020 - present
Contact Person: Deputy District Attorney
Address: 520 Lomas Blvd. NW
City/State/Zip: Albuquerque, NM 87102
Telephone: (505) 463-1021
Fax: _____

Reference 5

Name of Company: Colorado Bureau of Investigation
Dates of Services: May 2020 - present
Contact Person: Carrie Davis
Address: 2797 Justice Dr.
City/State/Zip: Grand Junction, CO 81506
Telephone: (303) 463-7021
Fax: _____

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until .1 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Attachment D

Certifications and Assurances

I/We make the following certifications and assurances as a required element of the bid to which it is attached, of the understanding that the truthfulness of the facts affirmed here and the continued compliance with these requirements are conditions precedent to the award or continuation of the related contract(s) by circling the applicable word or words in each paragraph below:

1. REPRESENTATION REGARDING CONTINGENT FEES

By responding to the solicitation, executing the contract the contractor represents that it has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract. If the contractor cannot make such a representation, a full and complete explanation shall be submitted in writing with the offeror's response, to the Agency prior to contract execution.

2. REPRESENTATIONS REGARDING GRATUITIES

Contractor represents that it has not, is not, and will not offer, give, or agree to give any employee or former employee of MSDPS a gratuity or offer of employment in connection with any approval, disapproval, recommendation, development, or any other action or decision related to the solicitation and resulting contract. Contractor further represents that no employee or former employee of agency has or is soliciting, demanding, accepting, or agreeing to accept a gratuity or offer of employment for the reasons previously stated; any such action by an employee or former employee in the future, if any, will be rejected by contractor. Contractor further represents that it is in compliance with the Mississippi Ethics in Government laws, codified at Mississippi Code Annotated §§ 25-4-101 through 25-4-121, and has not solicited any employee or former employee to act in violation of said law.

3. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

By submitting a bid, the bidder, certifies that the prices submitted in response to the solicitation have been arrived at independently and without any consultation, communication, or agreement with any other bidder, or competitor for the purpose of restricting competition.

4. PROSPECTIVE CONTRACTOR'S REPRESENTATION REGARDING CONTINGENT FEES

Contractor represents that it has not retained any person or agency on a percentage,

commission, or other contingent arrangement to secure this contract. If the contract cannot make such a representation, a full and complete explanation shall be submitted in writing with the bidder's response to the agency prior to contract execution. The prospective Contractor represents as a part of such Contractor's bid

Name/Title: Mike Carola, CEO/President

Signature/Date:  4/21/2025

Note: Please be sure to circle the applicable word or words provided above. Failure to circle the applicable word or words and/or to sign the bid may result in the bid being rejected as nonresponsive. Modifications or additions to any portion of this bid document may be cause for rejection of the bid.

+

3160007282 Questions and Answer II

IFB # 3160007282 Customized Testing and Reporting Services Human DNA Testing for MSFL

April 15, 2025

Question 1:

Bid Form (Part 1), page 7 21:2.2 Scope of Work, page 7: The pricing sheet has 1 line for total cost – what should be included in this cost?

- In the scope of work it states:
“The vendor must submit pricing per service requested; for example, price should include a separate cost for extraction, quantification, Auto STR, Y-STR, mitochondrial DNA, Forensic Genealogy/SNP, and database upload and records searching, and be available as a la carte services.” But the pricing sheet is line 1.
- Can you add a line item for each service requested since each case would not necessarily require each test.

Answer: Yes

Question 2:

Bid Form (Part 1), page. 21:2.2 Scope of Work, page 7: Given the scope of services and request for services but only 1 line for pricing, what are you considering and how are you choosing low bidder?

Answer: Award will be made to the lowest, responsive and responsible bidder.

Question 3:

Bid Form (Part 1), page 21: Can you separate or remove the Family Tree and GED match upload fees from the pricing sheet? These fees are set and paid to a third party and subject to change.

Answer: Please provide current pricing for having the sample uploaded in the scope of this project.

Question 4:

Bid Form (Part 1), page 21: Can we add additional line items to include other services or include our full-service pricing? There are services that these cases may require that are not listed. Like enrichment for WGS, mixture mitigations, etc.

Answer: No

Question 5:

2.2 Scope of Work, page 7: Approximately how many cases are there for this contract?

Answer: The number of cases depends on the price per case: there is a maximum amount on a grant. We currently expect \$210,000 to be available.

Question 6.

4.4.3 Bid Submission Format, page 14: In addition to the required documents, can we submit short explanation of services as they are proprietary and unique to each laboratory.

Answer: Yes

Question 7:

Page 7, under Statement of Work, 5th bullet: Please confirm that for the all-in per case price. A Vendor should assume the case undergoes each of the outlined services in Section 2.2. (eg, extraction, quantification, auto STR, YSTR, mito, SNP...)

Answer: Price per case should include extraction, quantification, amplification using Globalfiler, 3500/3500xl analysis, and GMIDX analysis. FGG and database upload can be priced separately since we will not know if FGG is needed until after we upload to CODIS and determine if there is a hit or not. YFiler Plus can be priced separately since not all samples will be male.

I acknowledge and accept all terms and conditions of the Invitation for Bid (IFB), Amendments, Question & Answer. I hereby certify that I am authorized to sign for my company.



Signature

4/21/2025
Date

Mike Cariola

4/21/2025
Date

Name (Printed)

Date

AMENDMENT II
IFB- 3160007282
The Mississippi Department of Public Safety
April 15, 2025

The Mississippi Department of Public Safety amends the Invitation for Bid page (12) 2.3.1.1 Requirements: Page 13 4.1.1 Award. Bid Form page 21 to clarify submission of price acceptance:

1. Requirements

Multi-term contract may be awarded to the bidder whose submit the lowest and best bid. To determine which bid is the lowest, MDPS will take the sum of each bidder subtotal price. Since bid is being awarded to lowest and best bid, Bidder must bid on all items. Failure to bid on all items will cause for rejection of bid.

Correction:

Multi-term contract may be awarded to the bidder whose submits **the lowest total cost for all four (4) bundles**. To determine which bid is the lowest, MDPS will take the sum of each bidder subtotal price. Since bid is being awarded to lowest and best bid for **all four bundles**, the Bidder must bid on all items. Failure to bid on all items will cause for rejection of bid.

2. Award

The agency intends to award one contract to provide the services described in this IFB to the lowest responsible and responsive bidder.

Correction:

The agency intends to award one contract to provide the services described in this IFB to the lowest responsible and responsive bidder **for all four (4) bundles**.

3. Customized Testing and Reporting for Human DNA testing Services to provide price per specialty bundle rather than price per case.

See attachment for updated Bid Form

*****ACKNOWLEDGEMENT OF AMENDMENTS****

Bidders shall acknowledge receipt of any amendment to the solicitation by signing and returning the amendment with the bid. The acknowledgement must be received by DPS at the time and at the place specified for receipt of bids.

All other terms and conditions remain the same as listed in the invitation for bid.

For more information or questions regarding this IFB, please contact Britney Wesley at 601-937-1407, by fax at 601-987-1442 or by email at bjwesley@dps.ms.gov. You may also contact Sonya Williams at 601-987-1467, by fax at 601-987-1442 or by email at sonya.williams@dps.ms.gov.

I acknowledge and accept all the terms and conditions of the Invitation for Bid amendments. I hereby certify that I am authorized to sign for my company.


Signature

4/21/2025
Date

Mike Cariola, CEO/President

Name (Printed)

4/21/2025
Date

Bid Form (Part Two)

Bidders shall acknowledge which of the following statements is applicable regarding release of its bid document as a public record. A bidder may be deemed non-responsive if the bidder does not acknowledge either statement, acknowledges both statements, or fails to comply with the requirements of the statement acknowledged. Choose one:

 Along with a complete copy of its bid, bidder has submitted a second copy of the bid document in which all information bidder deems to be confidential commercial and financial information and/or trade secrets is redacted in black. Bidder acknowledges that it may be subject to exclusion pursuant to Chapter 15 of the PPRB OPSCR Rules and Regulations if the MSDPS or the Public Procurement Review Board determine redactions were made in bad faith in order to prohibit public access to portions of the bid which are not subject to Mississippi Code Annotated §§ 25-61-9, 75-26-1 through 75-26-19, and/or 79-23-1. Bidder acknowledges and agrees that MSDPS may release the redacted copy of the bid document at any time as a public record without further notice to bidder. A bidder who selects this option but fails to submit a redacted copy of its bid may be deemed non-responsive.

X Bidder hereby certifies that the complete unredacted copy of its bid may be released as a public record by the MSDPS at any time without notice to bidder. Bidder explicitly waives any right to receive notice of a request to inspect, examine, copy, or reproduce its bid as provided in Mississippi Code Annotated § 25-61-9(1)(a). The bid contains no information bidder deems to be confidential commercial and financial information and/or trade secrets in accordance with Mississippi Code Annotated §§ 25-61-9, 75-26-1 through 75-26-19, and/or 79-23-1. A bidder who selects this option but submits a redacted copy of its bid may be deemed non-responsive.

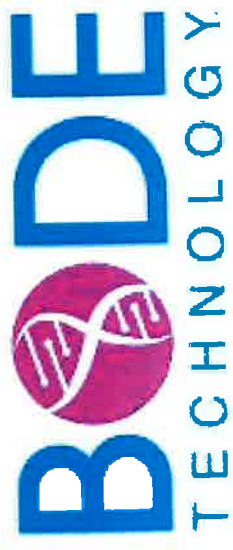
Bid Form (Part Three)

By signing below, the Company Representative certifies that he/she has authority to bind the company, and further acknowledges on behalf of the company:

1. That he/she has thoroughly read and understands this Invitation for Bids, 3160007282, and the attachments herein.
2. That the company meets all requirements and acknowledges all certifications contained in this Invitation for Bids, 3160007282, and the attachments herein.
3. That the company agrees to all provisions of this Invitation for Bids, 3160007282, and the attachments herein.
4. That the company will perform, without delay, the services required at the prices quoted in Attachment B.
5. This is the best of its knowledge and belief the cost or pricing data submitted is accurate, complete, and current as of the submission date.
6. That the company has, or will secure, at its own expense, applicable personnel who shall be qualified to performed under this Invitation for Bids.

Printed Name: Mike Carola, CEO/President

Signature/Date:  4/21/2025



IN RESPONSE TO

Mississippi Department of Public Safety

Invitation For Bids – 3160007282

Customized Testing and Reporting Services for Human DNA
Testing Services for MSFL

Contact: Renee Walker, Contracts Manager
Email: contracts@bodetech.com
Phone: (703) 646-9875, Fax: (703) 738-7221

Transmittal Letter

April 22, 2025

Mississippi Department of Public Safety
Procurement Department
1900 E. Woodrow Wilson Blvd, 4th FL, Room 402
Jackson, MS 39216
Attention: Britney Wesley or Sonya Toaster

Re: IFB Number:3160007282

Dear Ms. Wesley and Ms. Toaster:

Bode Cellmark Forensics, Inc. d/b/a Bode Technology (Bode) would like to thank the Mississippi Department of Public Safety (MDPS) and Mississippi Forensic Laboratory (MSFL) for the opportunity to submit this response to the Invitation for Bid entitled *Customized Testing and Reporting Services for Human DNA testing services for MSFL*. Bode understands that the MSFL is seeking proposals from qualified vendors to establish a contract for customized testing and reporting services for DNA extraction, quantification, typing and SNP/FGG analysis on behalf of the MSFL. Bode possesses all of the experience, human, technical and financial resources to initiate and complete this project and will do so on time and on budget.

Bode was established in 1995 and is an ISO 17025-accredited and FBI Quality Assurance Standards (QAS) compliant facility at the forefront of forensic genetic genealogy testing. Having tested over 200,000 cases, including over 30,000 human remains samples and more than 600 forensic investigative genetic genealogy (FIGG) cases, Bode has more experience than any other private laboratory or genetic genealogy provider in handling critical forensic evidence and human remains. Bode uses its vast forensic experience to apply the most rigorous and scientifically sound procedures to its genetic genealogy service. Bode has demonstrated successful performance within the State of Mississippi, having provided DNA databasing sample testing on thousands of samples for the MSFL over the past decade as well as customized forensic casework for the Mississippi Innocence Project and Rankin County District Attorney. Additionally, Bode has completed a FIGG case that resulted in the conviction of a serial rapist for the Rankin County District Attorney in Mississippi.

Organizational and Operational Structure: Bode has developed a streamlined organizational structure that allows us to efficiently handle the tasks described in the Scope of Work. Our responsibilities and assignments are clearly defined, ensuring effective project management and execution. Bode has completed more than 600 forensic investigative genetic genealogy cases since late 2018 and has assisted with the identity resolution of unidentified human remains as well as foreign DNA from crime scene evidence samples since 1998.

Staffing Capacity: Bode's team of qualified analysts/genealogists have the capacity to perform the required DNA analysis as well as genealogical investigations for the MDPS and to begin testing right away.

Technical Approach: Bode's technical approach is rooted in scientific excellence and professionalism. We have outlined our approach to accomplishing the tasks detailed in the Scope of Work.

In accordance with Section 4.1.4 of the IFB, Bode has addressed the following points in order to be deemed responsive:

1. Bode has been providing the services specified in the Section 2.2 "Scope" for over one (1) year;

2. Bode maintains a pool of qualified genealogists and analysts who can fill the requests from MDPS; and
3. Bode has provided three references for contracts where we provide the same or similar scope of services as **Attachment C**.

Bode Cellmark provides the following standard form documentation as identified in Section 4.4.3 of the IFB below:

- Bid Cover Sheet (**Attachment A**)
- Bid (**Attachment B**)
- References (**Attachment C**)
- Certifications and Assurances (**Attachment D**)

We trust that the above information as well as our proposal will enable you to favorably evaluate the services Bode has to offer. If you have any questions, as the official representative for Bode for this bid response and any resulting Contract, my contact information is listed below. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Cariola".

Mike Cariola
CEO/President
Bode Cellmark Forensics, Inc.
10430 Furnace Road, Suite 107
Lorton, VA 22079
Phone: (703) 646-9876
E-mail Address: Mike.Cariola@bodetech.com

BODE ADVANTAGE

Based in Lorton, Virginia, a suburb of Washington D.C., Bode employs more than 165 analysts, scientists and technologists who are dedicated to developing and utilizing state-of-the-art technology to achieve Bode's mission of being the most trusted provider of forensic DNA analysis in the world. For over 25 years, Bode has been an industry leader in providing complex forensic DNA analysis, highly advanced and proprietary DNA collection products, contract research, consulting and training services to law enforcement agencies, state governments, crime laboratories and disaster management organizations around the world. Bode's customer base includes over 400 law enforcement agencies, crime laboratories, non-governmental organizations and disaster management organizations around the world. Bode is the largest private DNA laboratory in the United States with unsurpassed experience.



Bode's Lorton, Virginia Laboratory

Bode has successfully performed outsourcing work on various types of forensic cases for over 25 years including the testing of more than 200,000 cases for our clients. Bode offers forensic DNA testing for a multitude of case types to include sexual assault kits (SAKs), property crimes, homicides, robberies, cold cases, missing persons cases and mass disasters. Overall Bode has more experience than any other company in processing evidence for the identification of biological fluids and DNA analysis and is a leading provider of forensic genealogy services, having completed over 600 genealogy cases.

Bode offers a wide range of DNA testing services. Bode's laboratory operations consists of several specialized laboratory teams:

- Forensic Genealogy team which tests violent crimes and unidentified human remains for SNP analysis through targeted or whole or genome sequencing. Genealogical research is completed by Bode's team of highly-qualified and experienced genetic genealogists.
- Human identification/missing persons team which specializes in the testing of unidentified human remains and family reference samples. Bode has developed proprietary bone processing methods and regularly provides STR, mini-STR, Y-STR and mtDNA analysis testing services as well as kinship statistical analysis on approximately 100 bones per month.
- Customized casework team which focuses on the testing of individual, complex cases including violent crimes, cold cases and post-conviction testing.
- CODIS/Databasing team which is currently reporting 3,000-7,000 convicted offender and/or arrestee samples per month.
- High-throughput sexual assault testing teams which are currently reporting approximately 1,200 sexual assault kits per month.

- High-throughput non-sexual assault testing team with a proven capacity of more than 1,000 cases per month. These cases are primarily property crimes and violent crimes but span all case types.
- Developed and maintains an integrated web-based case management system, BodeHITS™, that includes DNA processing services and a DNA profile database that searches and delivers HIT results automatically;
- Laboratory support team which specializes in forensic case inventory and examination as well as both manual and automated laboratory procedure support.
- Applied research, validation, quality control and training team which works to optimize current laboratory procedures, develop, validate and implement new procedures and streamline training needs across the laboratory operations team.



In total, Bode has tested over 200,000 forensic cases, over 30,000 human remains samples and 3.5 million CODIS databasing samples. Bode's state of the art laboratory has the capacity to process over 3,000 forensic cases and 25,000 database reference samples per month and is currently testing approximately 2,000 forensic cases and 6,000 databasing samples monthly. Further, Bode has completed DNA testing on over 600 genealogy cases. Additionally, Bode analysts have provided over 1,000 expert witness testimonies. Bode maintains appropriate staffing to ensure all work is performed according to client specifications and within specified turnaround times and can reassign staff from other projects if additional capacity is required. Additionally, Bode is actively investing in additional personnel to further increase capacity to better meet the changing needs of its customers. Virginia's Governor recently recognized Bode for its job creation wherein Bode added 70 new positions. This included the hiring of 30 new lab staff.

<https://www.governor.virginia.gov/newsroom/news-releases/2022/april/name-930921-en.html>

The MSFL can count on Bode to provide a highly experienced and qualified team of experts to complete the testing as required through this contract. Bode's key managerial personnel and executive team have >175 years combined forensic DNA experience. Bode's 50+ forensic casework analysts each average over 5 years of forensic DNA experience.

Overall, Bode embraces a culture and philosophy necessary for the successful, quality forensic examination of evidence, which spans from initiation of chain of custody (COC) to production of final reports and identifications. Bode is embedded with a culture of forensic science excellence and has an unsurpassed reputation in the forensic community with experience operating under regulatory requirements.

Bode has more experience than any other US Private Laboratory in supporting human identification work from mass graves, missing persons cases and mass casualty events. As shown in **Figure 1**, Bode has provided human identification services to numerous governmental and non-governmental agencies.

Bode Supports Dozens of Agencies with Human Remains Testing:

- | | |
|--|--|
| <ul style="list-style-type: none">• Committee on Missing Persons in Cyprus (United Nations Development Project)• Equipo Argentino de Antropología (EAAF)• Pima County Office of the Medical Examiner• Colibri Center for Human Rights• Office of Chief Medical Examiner of the City of New York• California Department of Justice Missing Persons Unit• King County Sheriff's Office of the Medical Examiner | <ul style="list-style-type: none">• National Center for Missing and Exploited Children• Royal Canadian Mounted Police• International Committee of the Red Cross (ICRC)• Latin American Initiative for the Identification of the Disappeared (LIID)• Netherlands Forensic Institute• US National Institute of Justice – Using DNA Technology to Identify the Missing• Mexico Foreign Ministry• Texas State University OpID |
|--|--|

Figure 1. Bode has more experience with human identification projects and difficult DNA extractions from human remains than any other US private laboratory.

In addition to the human identification work above, Bode also has served as the industry's premier forensic services provider at the State and Local level. As shown in **Figure 2**, we have delivered similar forensic services to countless state and local authorities over the last quarter century.

Bode Supports Dozens of State and Local Agencies Including:

- | | |
|---|---|
| <ul style="list-style-type: none">• Albuquerque Police Department• Arkansas State Crime Laboratory• Austin Police Department• Baltimore County Crime Laboratory., MD• California Department of Justice• Charlotte Mecklenburg Police Department• Cleveland Police Department• Dallas County District Attorney's Office• Delaware OCME• Florida Department of Law Enforcement• Georgia Bureau of Investigation• Harris County Institute of Forensic Sciences• Houston Forensic Science Center• Illinois State Police• Iowa Department of Justice• Las Vegas Police Department, NV• Los Angeles Police Department, CA• Los Angeles Sheriff's Department, CA• Maryland State Police• Massachusetts State Police | <ul style="list-style-type: none">• Memphis Police Department• Metropolitan-Nashville Police Department• Metropolitan Police Department, DC• Mississippi Crime Laboratory• Missouri Highway Patrol• North Carolina State Bureau of Investigation• Oklahoma State Bureau of Investigations• Palm Beach County Sheriff's Office, FL• Philadelphia Police Department• Phoenix Police Dept Crime Lab, AZ• Pima County Office of the Medical Examiner, AZ• San Diego County District Attorney's Office, CA• San Diego Sheriff's Department, CA• Santa Clara Crime Laboratory• Texas Department of Public Safety• Utah Bureau of Forensic Services• Virginia Division of Forensic Sciences• Washoe County Police Dept., NV• Washington State Patrol• Wisconsin Department of Justice |
|---|---|

Figure 2. No other company but Bode has the corporate breadth, knowledge, and experience to successfully lead and execute all facets of the MFSL's program with the lowest possible risk.

Finally, Bode has applied its breadth of forensic services across dozens of federal agencies (**Figure 3**):

Bode Team Supports Dozens of Federal Agencies Including:	
• Federal Bureau of Investigation • Bureau of Alcohol, Tobacco, & Firearms • Department of Defense • U.S. Secret Service • U.S. Marshals Service • U.S. Customs and Border Protection • U.S. Border Patrol • Combating Terrorism Technical Support Office • Money Laundering and Asset Recovery Section • National Institute of Justice • Joint Improvised-Threat Defeat Organization	• Naval Criminal Investigative Service • Department of Homeland Security • Immigration & Customs Enforcement • Defense Forensic Science Center • Department of Justice • Drug Enforcement Agency • Intelligence Community Agencies • INTERPOL • U.S. Citizenship and Immigration Service • U.S. Army Criminal Investigation Laboratory • U.S. Postal Inspection Service

Figure 3. Bode continues to be the Government's "Go-To" forensic support specialist.

Staffing Capacity and Qualifications

Bode makes every effort to allow clients access to any management personnel as we prioritize communication ensuring a project will be accomplished successfully. The primary contacts will be the Casework Supervisor and the Vice President of Forensic Genealogy Services, who together will be available for any questions or unique needs that arise. However, the customer also has direct access to all key personnel listed below.

Our management approach ensures success by employing industry best standards and processes to plan, execute, and control program activity to meet the MFSL's objectives while constantly seeking efficiencies, process improvement, and applying repeatable best Quality Control (QC) practices to identify and address issues before they become problems. Figure 3 details the features, strengths, and benefits of management approach.

Management Features	Benefits to the County's Program
Optimized Program Leadership Structuring	• Dedicated Laboratory Director to assist with administrative tasks such as program cost control, performance, staffing, quality, and contractual issues. • A dedicated Casework Director focused on delivering forensic services for the MFSL while managing day-to-day operations on site. • A dedicated Casework Supervisor overseeing the STR, YSTR and mtDNA testing. • A dedicated Forensic Genealogy Services Vice President overseeing the SNP testing and genealogical research and serving as the primary point of contact to the MFSL. • Clear lines of reporting, levels of authority and responsibility with fully empowered Directors to address and solve challenges immediately and at the lowest level—reducing inefficiencies while ensuring client responsiveness.
Flat organizational structure with clear lines of authority and communication	• Realistic span of control for the Directors with immediate and daily administrative and management support from a Laboratory Director. • Highly flexible and adaptable to meet surge operations or additional tasks.
Quality Program Management guided by Lean Six Sigma practices	• Directors grounded in Program Management, Laboratory Supervision, and Forensics Analysis & Examination—the perfect blend for Key positions. • A Technical Leader and Quality Assurance Manager to support compliance. • Support team to include QC analysts, validation and training. • Focus on ensuring service consistency, efficiency, and continued improvement.

Highly Interactive Communication Plan	• Collaborative communication across the Team to include synchronization of operations. • Proactively addresses personnel and performance issues before they negatively impact the MFSL's service delivery. • Ensures transparency across the Bode Team and the MFSL's stakeholders to proactively address issues or upcoming tasks
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Figure 3. *Our management approach provides the MFSL with proven leadership and management processes that lead to the successful execution of forensic activities.*

Bode employs over 250 people, of which approximately 165 are highly skilled analysts, scientists, and technicians who develop and utilize state-of-the-art technology at Bode's Lorton, Virginia laboratory. Bode currently employs over fifty-five (55) forensic DNA analysts dedicated solely to the processing of samples for forensic casework projects and customized case submissions.

Bode's key managerial personnel on this project include:



- **Erin Sweeney, Vice President, Forensic Operations/Laboratory Director:** Ms. Sweeney manages full laboratory operations, assures adequate lab staffing and equipment, drives applied research implementation of new techniques and services, and assures timely completion of work at Bode's Lorton, VA laboratory. Ms. Sweeney has more than twenty (20) years of experience in high- throughput DNA sample processing and analysis for clients worldwide. Prior to becoming Laboratory Director, she directed both the databasing team, which was responsible for processing more than two (2) million offender databasing samples, and the Human Identification team, which is responsible for the DNA testing of skeletal remains and family reference samples for the identification of missing persons and victims of war, terrorism, and natural disasters in the United States and around the world. Ms. Sweeney holds a Bachelor of Science degree in biology from the University of Connecticut and a Master of Science degree in biotechnology and certificate in national security studies from Johns Hopkins University. She is a member of the American Society of Crime Laboratory Directors, the American Academy of Forensic Sciences and the International Society for Forensic Genetics. Ms. Sweeney is also a Certified Forensic Manager through the National Forensic Science Academy.



- **Deanna D. Lankford, Director, Forensic Casework,** manages daily casework laboratory operations including high throughput casework such as sexual assault kits as well as individual customized casework such as homicide cases and genetic genealogy cases at Bode's Lorton, VA laboratory. Ms. Lankford has over twenty-eight (28) years' experience in forensic DNA testing has processed and/or reviewed over ten thousand cases and has extensive experience with the implementation of advanced DNA technologies. She has provided expert testimony in approximately sixty (60) criminal trials. She oversees a team of over fifty (50) analysts and technologists working on approximately twenty-five (25) different casework contracts and has been instrumental in the reduction of casework backlogs across the country, including SAKI funded projects, as well as the launch of Bode's forensic genealogy service. Ms. Lankford holds a Master of Science degree in Pharmaceutical Sciences with an emphasis in Forensic DNA and Serology from the University of Florida and a Bachelor of Science degree in Medical Technology from Middle Tennessee State University. Ms. Lankford is also a Certified Forensic Manager through the National Forensic Science Academy.



- **Tabitha Bandy, Technical Account Director:** Ms. Bandy is the Technical Account Director for Bode and will facilitate shipments of cases to Bode's Virginia laboratory and ensure that operational plans align with the desired goals of the County. Ms. Bandy began her forensic career with the Kentucky State Police from 2000-2006. She then joined Orchid Cellmark in Nashville as a DNA Analyst for 4 years. Ms. Bandy then joined the Joint Expeditionary Forensic Facility Program and spent a year in Afghanistan providing intelligence to US and NATO Coalition Forces. Upon her return, she was hired by the Metro Nashville Police Department to establish a DNA Unit within their future multi-disciplinary laboratory. While there she served in various roles including Forensic Biology Supervisor, DNA Technical Leader, CODIS Administrator, and Crime Laboratory Assistant Director and Quality Manager. She has served as an International Technical Assessor through ASCLD and ANAB, was a member of the NDIS audit review panel, and routinely participated in the FBI sponsored OVP. She is currently an observing member of the DNA Consensus Body. Ms. Bandy received a Master of Science in Pharmacy and a Certificate in Pharmaceutical Chemistry from the University of Florida, and a Bachelor of Science degree from Western Kentucky in the field of Recombinant Genetics. Ms. Bandy's unique background, working in both public and private laboratories as well as police and military departments, provides her a unique understanding of her customers' needs.



- **Teresa Vreeland, Vice President of Forensic Genealogy Services and Senior DNA Analyst:** Ms. Vreeland manages genetic genealogy cases throughout the entire process from intake and suitability screening through testing to upload of the results into genealogy databases and would serve as one of the primary point of contact for the MFSL. Ms. Vreeland is the liaison between the genealogist and the customer to drive the investigation and bring the case to completion. As a proficient Senior DNA Analyst, she has testified as an expert witness in the field of Forensic Biology, DNA and Forensic Investigative Genetic Genealogy and routinely performs technical DNA case review. With this experience, she has the ability to review case files to determine suitability for genetic genealogy testing and recommend the best testing plan. Ms. Vreeland holds a Bachelor of Science in Genetic Engineering from Cedar Crest College in Allentown, PA.



- **Brian Adams, Supervisor, Casework,** is a 15+ year Forensic Analyst that includes 7 years' experience managing and supervising multiple sexual assault kit programs for various state clients. Mr. Adams has been a qualified analyst at Bode since 2007 and has been trained in serology, STRs, STRMix, YSTRs and kinship analysis. He has extensive experience working in the high-throughput section as well as the customized case work section. His duties include ensuring quality control and that the contractual obligations of each project are met. Mr. Adams communicates routinely with clients regarding the status of their project and resolves any questions that may arise. He manages a team of analysts working on approximately 6 different high throughput casework contracts and has been instrumental in the reduction of sexual assault kit backlogs across the country. He holds a degree in Biological Sciences from the University of Michigan and an Analytical Toxicology & Forensic Science certification from Wayne State University.



- **Jon Davoren, Director of Applied Research:** Mr. Davoren provides assistance for difficult samples and continually works to improve laboratory methods applied to human remains testing. Mr. Davoren has been responsible for training staff, supervising the testing of more than 30,000 bone samples and 80,000 reference samples, and performing kinship matching on more than 16,000 samples related to 10,000 different individuals. Mr. Davoren has also been responsible for successfully obtaining DNA profiles from thousands of highly challenged samples, and has overseen the testing of skeletal samples from a number of mass fatality incidences including the breakup of Yugoslavia, the Thailand tsunami, Hurricane Katrina, and the World Trade Center. Mr. Davoren has dealt with hundreds of special cases involving mutations, additional STR loci, and other kinship complications such as false paternity and extended family kinship analysis. Mr. Davoren holds a Master of Science in molecular biology and a Bachelor of Science in

biochemistry from the University of Lethbridge in Canada.



- **Allison Ryall, Accredited Investigative Genetic Genealogist:** Ms. Ryall has worked as a consultant to law enforcement agencies and has also conducted genetic genealogy training sessions for law enforcement personnel. Allison has decades of experience in the genealogy field and is one of the first Accredited Investigative Genetic Genealogists (AIGG) in the country. She previously worked with the National Genealogical Society as Advertising and Marketing Manager, as Graphic Designer, and as a grader for the society's Home Study Course. She served as the conference tri-chair, program chair, and Ancestors Road Show Chair for the New England Regional Genealogical Conference, and as the conference chair for the Association of Professional Genealogists' annual conference. Allison is also an instructor in Boston University's Genealogy Studies Program, where she teaches students research methodology and genetic genealogy. Prior to pursuing her passion for genealogy, Allison was a media executive. She has extensive experience in the areas of research, media relations, program management, and marketing. She holds degrees in U.S. History and Russian Studies, and a master's degree in American and New England Studies from the University of Southern Maine.

TECHNICAL RESPONSE

SECTION 2

2.1 Purpose

The MDPS is seeking to establish a contract for customized testing and reporting services for DNA extraction, quantification, typing and SNP/FGG analysis on behalf of the Mississippi Forensics Laboratory (MSFL). It is understood that any contract resulting from 3160007282 requires approval by the Public Procurement Review Board (PPRB). If any contract resulting from 3160007285 is not approved by the Public Procurement Review Board, it is void and no payment shall be made.

2.2 Scope of Services

- *The vendor laboratory responding to this bid solicitation must be a forensic testing laboratory.*
- *The vendor laboratory must be an accredited laboratory against testing standards ISO 17025.*

Bode's laboratory is accredited by ANSI National Accreditation Board (ANAB) to ISO/IEC 17025:2017 for Forensic Science Testing and Calibration Laboratories as well as the 2020 FBI Quality Assurance Standards (QAS) for *Forensic DNA Testing Laboratories* and *DNA Databasing Laboratories*. ANAB is a signatory to ILAC. Bode's scope of accreditation includes both DNA Analysis (STR, mini-STR, Y-STR, SNP, mitochondrial DNA testing, probabilistic genotyping, capillary electrophoresis and massively parallel sequencing), Rapid DNA and Forensic Biology. Materials (Trace) for hair analysis was recently added.

Bode is also the only provider approved by the New York Department of Health to perform whole genome sequencing for forensic investigative genetic genealogy services in New York. Bode has provided its accreditation certificate and scope as **ATTACHMENT ONE**.

- The vendor laboratory must follow the latest revision of the FBI's Quality Assurance guidelines and have audit records available for review.

Bode's most recent FBI Quality Assurance Audit took place in December 2024. The report is available upon request. No findings or non-conformities were identified.

- The vendor laboratory must perform all testing within their private laboratory; further sub-contracting of services is not allowed.

All services will be performed in Bode's Lorton, Virginia laboratory.

- The vendor must submit pricing per service requested; for example, price should include a separate cost for extraction, quantification, Auto STR, Y-STR, mitochondrial DNA, Forensic Genealogy/SNP, and database upload and records searching, and be available as a la carte services.

Bode has provided pricing as **ATTACHMENT B**.

- The vendor is expected to maintain a turn-around-time (TAT) of 120 days from date of receipt of the sample.

Bode has the capacity to process over 3,000 forensic cases and 10,000 database reference samples per month and is currently testing approximately 2,000 forensic cases and 4,000 databasing samples monthly. Therefore, Bode has the available capacity to handle all samples submitted, to begin testing immediately and within the 120 day TAT.

- The vendor shall meet the following technical specifications and operational impact:

DNA Extraction from Skeletal Remains or other Forensic Evidentiary Items

- DNA extraction pulverized bone sample skeletal remains or other forensic evidentiary items must be performed using QIAGEN EZ1/2 DNA Investigator chemistry.
- If the sample material is bone, the bones shall be cleaned prior to extraction to minimize contamination.
- Two samples of bone material (~200 mg each) shall be collected.
- The second pulverized bone sample shall be returned to the Mississippi Forensics Laboratory (MSFL) for storage; the weight of the sample returned shall be documented and provided to the laboratory upon completion
- One half (1/2) of the any other forensic evidentiary items may be tested; the other ½ must be returned to the MSFL.
- Detailed descriptions of how much of the items were tested must be included in the case notes.
- Reagent blanks must be processed with the samples during DNA extraction
- If a DNA extract is submitted for typing, the vendor laboratory must begin processing by quantification of the sample prior to downstream processes.
- The vendor must have detailed DNA extraction procedures available for review.
- The vendor must have specialized processing techniques for swabbing and processing swabs for contact DNA from firearms.
- The vendor must have specialized processing techniques for vacuum filtration of DNA from liquid samples.
- The vendor must be willing to provide free case reviews and consultation of evidence associated with the case.
- All forensic DNA testing must be performed in-house; no sub-contracting for any method is allowed.

Bode's human identification efforts strive to provide answers and identifications for unidentified human remains across the world, and to bring closure to those families affected by such incidents. Specifically, Bode developed new advances in extraction technologies that led to the reopening of efforts to identify victims of the World Trade Center and subsequently have been utilized to identify missing individuals from Guatemala, Peru, Argentina, as well as various Latin American countries under a U.S. Department of State funded project. Using the experiences from these projects, Bode has since provided advanced DNA testing services for several other identification projects around the world. Bode is the only private laboratory in the U.S. to participate in multiple U.S. government funded grants for "Using DNA Technology to Identify the Missing". Bode is also a partner to RTI in the United States National Missing and Unidentified Persons System (NamUs).

Bode has a dedicated bone sampling laboratory with three sampling hoods and Unimaster Dust Collectors. Bones are cleaned prior to sampling to remove any surface contaminants while minimizing any sample loss. A portion of the sample is cut and blended into a fine powder for extraction. The amount of powder taken forward for extraction depends on the sample quality and amount of sample.

Using advanced DNA typing approaches, Bode has assisted medical examiners with victim identification by analyzing more than 25,000 victim and reference samples from multiple mass fatality incidents, including the Alaska Airlines Flight 261 and American Airlines Flight 587 aircraft disasters, as well as the attack on the World Trade Center.

Bode has expertly performed on several contracts for missing persons identification. Listed below is a representative sampling of these contracts where Bode has used its improved technologies to identify degraded skeletal and dental remains from the missing.

- In 2022, Bode assisted the Philadelphia Police Office of Forensic Science in the processing of a batch of 11 unidentified human remains. Bone samples were submitted to Bode for sampling, DNA extraction, STR and FIGG analysis.
- Within the U.S., Bode has tested nearly 2,000 unidentified human remains cases and family reference samples under U.S. government sponsored grants for "Using DNA Technology to Identify the Missing" for over 12 years. This testing included STR, mtDNA and Y-STR analysis and results were reviewed and entered into CODIS by partner NDIS laboratories. Bode is the only private laboratory to receive multiple awards under this program (FY08, FY10, FY12 and FY15). Using just over \$3M in total award funds, Bode has tested close to 2,000 unidentified human remains cases leading to over 250 identifications. Bode has received cases/samples from approximately 70 different agencies. To date, over 90% of all cases have yielded STR DNA profiles eligible for upload to the US CODIS Missing Persons database and nearly all have yielded mitochondrial DNA profiles eligible for upload.
- Bode has successfully tested over 2,000 skeletal fragments and 7,000 reference samples from Guatemala, Peru and Argentina under a U.S. Department of State funded project, which has led to the identification of numerous individuals who went missing in the 1970's and 1980's as a result of decades of military dictatorships, internal conflicts, and action of paramilitary and guerrilla groups and terrorism. All of these projects involved large scale profile comparison of the unidentified remains profiles to a database of family reference profiles. These projects also involved commingled remains in which re-associations were made through DNA testing and the added complexity of having related family members among the missing.

In the cases listed above, Bode has consistently outperformed other laboratories in being able to obtain DNA profiles from skeletal elements and identify more matches through highly advanced and proprietary kinship database software and/or publicly available genealogy databases. Furthermore, due to the nature of the identification projects in which Bode is

assisting, Bode has experience with follow-up DNA testing such as Y-STR, mini-STR, mitochondrial DNA and/or extended STR testing, which is often required.

Improvements in DNA sampling techniques, along with increasingly sensitive testing methods, have enabled scientists to obtain results from forensic cases that were once unsolvable. Bode offers cutting-edge solutions to help resolve your cases. Bode scientists are leaders in the use of the latest technologies. Bode will collect two (2) samples from each skeletal remains sample (~200mg each) and will return one sample to MSFL. Based on Bode's experience, Bode may recommend extracting a larger amount but would only do so with approval from MSFL. Additionally, Bode will not consume more than half (1/2) of any other forensic evidentiary item without explicit approval from MSFL. A reagent blank will be initiated at the time of sampling for all samples extracted at Bode (including extract rehydration blanks). All sampling and consumption amounts will be documented and retained within the case file.

Advanced Sampling Techniques for Forensic Evidence

Successful DNA analysis begins with successful sampling. Bode's skilled scientists are trained in the most advanced techniques. Bode accepts nearly all types of evidence including, but not limited to, clothing, tools and weapons, cigarette butts, hairs, shell casings, and unidentified remains.

Bode has validated specialized sampling techniques for different types of evidence. All samples are evaluated individually to identify the best type of sampling method.

Sampling methods include:

- Bode X-traction™ (ATF "rinse and swab" method)
- Swabbing
- Scraping
- Tape Lifts and Post-it Notes (Low-tack Tape)
- Cutting
- Washing rootless hairs to remove exogenous DNA

Bode can also process samples collected on M-Vac® filters. Bode does not accept firearms or illicit substances for testing but can accept swabs from these items.

DNA Extraction

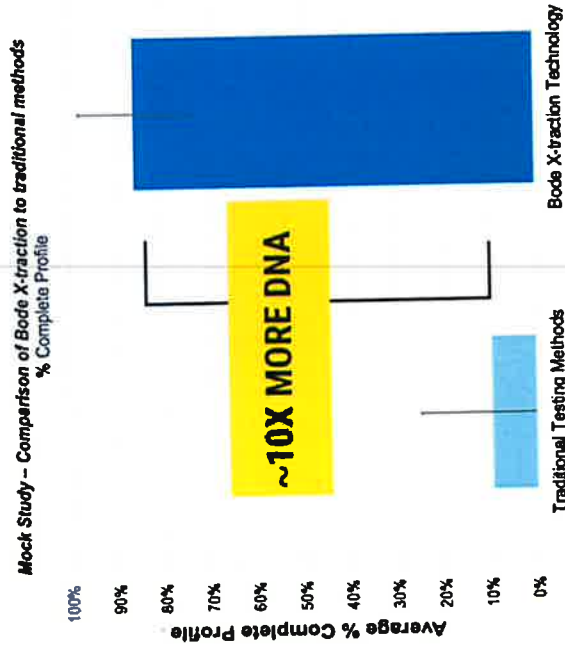
Bode understands the importance of maximizing the success of the initial DNA extractions and believes that DNA extraction is the most critical part of the testing as the downstream success of the sequencing is dependent on the quality of the extract. Multiple extraction methods have been validated for use at Bode offering secondary and tertiary options if the primary extraction method proves ineffective on older or compromised samples. Along with optimized sampling techniques, Bode has also optimized magnetic bead extraction technologies for improved recovery of DNA. The majority of extractions are currently performed robotically using the QIAGEN DNA Investigator kit on the QIAGEN EZ1/EZ2 BioRobots or the QIAGEN Lyse & Prep kit on the Hamilton Vantage which combines the power of QIAGEN's extraction chemistry with Hamilton's newest and most advanced high-throughput robotic platform. Bode will utilize the EZ1 and/or EZ2 for this project, as specified. Additionally, Bode offers a proprietary bone extraction, Bode Bone Prep, for improved success with bones. This method is a QIAGEN based method with proprietary modifications. It is available for use with MSFL approval. For manual processing, Bode utilizes multi-channel pipetting to eliminate the potential for single pipetting errors. Additional witnessing steps are required for manual transfer steps as an added quality control measure. In all instances, only one tube is open at any one-time during casework processing.

For obtaining DNA profiles from difficult samples, Bode utilizes several measures that may be determined by the analyst and based on sample quality. These methods include concentrating the extract to maximize the total input DNA and/or attempting other validated procedures for problematic samples.

Bode X-traction™ Technology

Bode has implemented a new proprietary, advanced DNA extraction process that can be applied to spent shell casings and rootless hair shafts to develop nuclear DNA profiles from samples that previously returned little to no results.

- Used to obtain CODIS eligible profiles from nuclear DNA recovered from shell casings and rootless hairs.
- Results can be obtained from as little as a single rootless hair.
- Developmental validation showed results with 10x more DNA than the standard wet/dry swab method when testing spent shell casings for DNA.



Quantification using quantitative PCR

- All bone extractions must be quantified using real-time PCR
- QIAGEN Quantiplex PRO or Applied Biosystems Quantifiler Trio are allowable quantification chemistries

DNA Quantification/DNA Quality Check

Bode will use the Quantifiler® Trio kit for use on the ABI 7500 for casework samples to quantify the amount of human DNA available from each sample extract prior to amplification. This is a real-time PCR assay which determines total human DNA concentration, total male DNA concentration, and a degradation index to estimate the level of DNA degradation and the presence of inhibitors. Bode will also use the Qubit for FIGG candidates to quantify the amount of total DNA (not human-specific) in each extract. This assay will be used to determine the approximate ratio of human to non-human DNA in each sample. Bode then uses this information to determine the appropriate input DNA amount for the sequencing testing.

Bode can also use this information to perform additional clean-up such as human enrichment or concentration of the extracts prior to sequencing to increase the chance of obtaining a profile.

Based on the quantity and quality of DNA obtained from the sample extractions, Bode may perform additional extractions for each individual sample and combine the extracts together prior to sequencing to increase the likelihood of obtaining searchable sequencing results.

Autosomal STR, Y-STR, and Mitochondrial DNA profile generation

- *Generation of an autosomal STR profile using the expanded CODIS Core loci using the Globalfiler PCR amplification kit*
- *Generation of a Y-STR profile using the Applied Biosystems Yfiler Plus PCR amplification kit*
- *Twenty-five (25) uL reaction volumes shall be used for autosomal and Y-STR amplifications to minimize inhibition of co-extracts*
- *Generation of a mitochondrial DNA profile using PCR within the mtDNA control region*
- *Positive and negative controls, and amplification blanks shall be processed during all PCR events*
- *Profiles for all samples must be generated and provided to the MSFL for review and entry into CODIS*

STR Analysis

Bode has offered STR analysis since 1999. Currently, Bode offers testing with Globalfiler, PowerPlex Fusion, PowerPlex Fusion 6C, and Investigator 24plex QS. In addition, Bode offers mini-STR testing with Minifiler which can be particularly useful on degraded human remains samples. Bode will use Globalfiler for all STR analysis on this project. Bode will run amplification positive and amplification negative controls with each assay to ensure reliability of results. Bode will process samples using capillary electrophoresis on the Applied Biosystems 3500/3500xl series genetic analyzers and will utilize GeneMapper ID-X operating software as required. All data will be provided to MSFL for review and entry into CODIS.

Y-STR Analysis

Bode has offered Y-STR analysis since 2006. Currently, Bode offers Promega's PowerPlex Y23 kit as well as the Applied Biosystems Yfiler Plus kit. Bode will utilize Yfiler Plus on this project. Bode will run amplification positive and amplification negative controls with each assay to ensure reliability of results. Bode will process samples using capillary electrophoresis on the Applied Biosystems 3500/3500xl series genetic analyzers and will utilize GeneMapper ID-X operating software as required.

Mitochondrial DNA Testing

Bode is one of very few laboratories in the United States to offer mitochondrial DNA testing. Bode has extensive experience analyzing casework samples for mitochondrial DNA since 1998. Mitochondrial DNA (mtDNA) analysis is often performed on small, old or degraded samples that are believed to be from a single source. Bode has different primer set options validated for mitochondrial testing. Extracts may be PCR amplified within the mtDNA control region using short primer sets (200-400 base pairs), Hypervariable region primers (400 base pairs), or control region primers (1100 base pairs) on the AB 9700 PCR thermal cycler. At a minimum, the HV1 (range from position 16024 to 16365) and HV2 (range from position 73 to position 340) regions will be amplified and analyzed.

Samples are purified with ExoSAP-IT to remove unincorporated primers and dNTPs from amplified products. After purification, cycle sequencing will be performed on the AB 9700 PCR thermal cycler. The amplified product will then be sequenced using the ABI Prism® BigDye™ Terminator v1.1 Cycle Sequencing Ready Reaction Kit and associated amplification primers. Next, the sequenced product will be loaded onto an Edge Biosystems Gel Filtration plate to remove excess dye-labeled dideoxynucleotide dye terminators and other low molecular weight materials from the mtDNA sequences. The cycle sequencing products will then be run on the AB 3500xl Genetic Analyzer and mtDNA sequence data is generated for the control region, including HVI and HVII, as endorsed by the FBI for acceptance of DNA data into the National DNA Index System.

Bode will use the Sequencher™ software program for mitochondrial DNA analysis. Sequence information will be reported with respect to the Anderson consensus sequence (Anderson, et al.) and will be documented in a Difference Review Report with the Sequencher™ program for mitochondrial specific mtDNA positions will be based on the Anderson sequence.

Forensic Genealogy/ SNP Profile Development

- *Generation of a SNP profile (whole genome or targeted SNP) should be universally compatible with genealogical databases and be compatible with typical genealogical tools that leverage shared segments and centimorgan calculations (cM) to help identify and characterize genetic relationships.*
- *Laboratory and staff performing the work must be located within the United States*
- *Laboratory should demonstrate key forensic workflow features such as chain of custody, unidirectional workflow, and other forensic best practices*
- *The vendor must provide documented chain of custody*
- *The vendor must provide details of the technology and methodology used to generate the whole genome or targeted SNP.*

Bode is proud to provide a comprehensive, ISO 17025 accredited solution for our Forensic Genealogy clients. With our program we are able to offer SNP testing using targeted sequencing (Kintelligence) and whole genome sequencing. Bode has been performing FIGG analysis since 2018 and has a strong knowledge of the U.S. Department of Justice Interim Policy on Forensic Genetic Genealogical DNA Analysis and Searching. Bode has maintained compliance with the interim policy since its inception and remains very conscious of standards and regulations pertaining to the responsible use of FIGG.

Through experience in testing hundreds of thousands of forensic evidence samples, Bode understands the complexity in testing evidence which may have limited amounts of DNA, which may be severely degraded, or may be challenging to extract quality DNA. Bode has completed extensive validations to bring a robust offering of massively parallel sequencing (MPS) options to our clients. These validations evaluated the precision, accuracy and reproducibility of all our procedures. This experience enables us to apply the best testing approach to each unique piece of evidence with the goal of getting the most usable data and the best results.

Coupling Bode's extensive experience in DNA testing and the superior capabilities of the AVITI™ system by Element Biosciences we are able to effectively obtain probative DNA results from complex and challenging samples. In the event a sample is not suitable for whole genome sequencing, Bode also validated targeted sequencing using the ForenSeq Kintelligence system by Verogen. By validating and implementing multiple SNP testing options with new workflows in our laboratory, we maximize results from irreplaceable DNA evidence samples while following best practices. Additionally, Bode has extensive experience with SNP data from the microarray (MA) on various sample types and DNA

quantities. This experience with the MA in combination with our in-house offerings allows us to determine the best approach to generating data that can be searched in the genealogy databases, including the impact of call rates and sequencing accuracy on the ability to identify familial relationships within the genealogy databases. Through working with an accredited laboratory such as Bode, processes are put in place to protect the integrity of the case, including a complete chain of custody, to protect consumption of limited evidence, to provide an accurate SNP genotype file, and to enable the best outcome for the case.

Certain forensic samples may be burdened by large amounts of microbial DNA. This non-human DNA can interfere with the sequencing quality and resultant SNP profile. In addition to offering validated sequencing options, Bode has also validated Human Enrichment to increase success when sequencing samples burdened with high levels of microbial DNA. This process isolates the human DNA from microbial DNA in a sample and allows for a more focused and efficient analysis of the human genome.

Bode will share the detailed process to identify cases that are eligible for forensic genealogy by reviewing the STR profile previously generated, the amount and quality of DNA present in the initial DNA work, the amount of DNA extract and evidence sample remaining for FIGG testing. Bode will present the different options available for samples for MSFL to make key decisions. By recognizing different testing possibilities, Bode will be able to identify the samples likely to produce the best results which will maximize the MSFL's budget and probability for successful investigative leads identified.

Bode's FIGG Process Summary

1. Assist with case eligibility and suitability review. On-going, as-needed.
2. Perform extraction and DNA quantification at our ISO 17025 laboratory, if required. Completed by specialized team trained in the sampling and extraction.
3. Perform quality verification to confirm sample suitability for sequencing at our ISO 17025 laboratory.
4. Perform targeted or whole genome sequencing at our ISO 17025 laboratory based on the quality, quantity and type of evidentiary material based on documented, forensic evaluated and assessed data.
5. Entry and search of resulting data into Family Tree DNA and GEDmatch PRO databases to identify potential familial matches. GEDmatch PRO results are returned within 24-48 hours. Family Tree DNA results are typically returned within 3-4 weeks.
6. Issue Forensic Genealogy Screening report with laboratory work and lead genealogist's evaluation of the database results. A recommendation of how to proceed and possible challenges that may be encountered in the course of the genealogical research.
7. Conduct genealogy research and issue Forensic Genealogy Investigation report with supporting documentation, family trees and an investigative lead to progress the case.
8. Perform expedited STR confirmation of a new reference sample at our ISO 17025 accredited laboratory for direct comparison to the original STR profile generated from the evidence, if needed. Expedited turnaround times available as quickly as 24-hour turnaround time.

Following testing, evidence and any remaining DNA extracts will be maintained in secure evidence storage until a mutually agreed upon return date is established. If samples and/or extracts were consumed during testing, this will be documented in report.

Bode has thorough chain of custody procedures and COC documentation for all cases that complies with the published accreditation standards. Bode will work with the MDPS/MSFL to facilitate delivery of the samples to Bode's Virginia

laboratory. Upon submission, Bode will maintain a complete Chain of Custody (COC) for all samples starting with the unique identifier on the overnight shipping label on the shipping container. Bode has a written and secure electronic transfer record for any exchange of samples between Bode's personnel. Bode's evidence management section (EMS) is responsible for maintaining the integrity of evidence received by Bode. Bode will inspect each shipping container upon receipt and notify the MSFL by email upon discovery of any damage to the shipping container that may compromise the integrity of the evidence. All evidence will be marked with a unique case number and item number. Bode also utilizes barcodes for sample tracking. In addition, all evidence requirements are followed, including but not limited to unique identification; COC documentation; procedures to minimize loss, contamination, and/or deleterious change of evidence; secure areas for storage; and procedures for evidence sample/extract storage.

To accomplish this, Bode uses a Laboratory Information Management System (LIMS), as well as hard copy tracking, to develop and maintain the COC as well as provide detailed sample tracking. All samples have a fully documented COC record that complies with both the ANAB ISO/IEC 17025 and FBI QAS requirements to protect the samples from deleterious change or loss, and to maintain the integrity of the evidence during each transfer.

DNA Database Upload and Records Research/ Genealogy

- *Vendor must provide genealogical services to include upload of SNP profiles to GEDmatch and FamilyTree DNA and other databases that support law enforcement search.*
- *Vendor must provide utilize in-house staff to perform genealogical research; volunteers or non-staff members may not be used*
- *Vendor must provide kinship comparisons of SNP profiles that do not require upload to public or online databases*
- *Vendor must provide a direct comparison forensic report between two samples that provides details of a genetic relationship, as well as an analysis of all potential relationships, should the forensically investigative genealogy results generate a lead within the database*

We commit to providing genealogical services that include the seamless upload of SNP profiles to widely recognized databases such as GEDmatch PRO and Family Tree DNA. Our team is experienced in navigating these databases, ensuring effective utilization for investigative purposes. To maintain the highest standards of accuracy and confidentiality, our services exclusively employ highly experienced U.S. based genealogists with no volunteer assistance.

At the completion of the sequencing, the raw data file will undergo analysis to confirm the accuracy and reliability of results. The results will then be uploaded to Family Tree DNA and GEDmatch PRO databases. The resulting matches and data file will be evaluated for possible endogamy, match density and largest segment size, all of which play a factor in the downstream analysis and conclusions during the genealogy research. The match results returned from each database will be used by the genealogists to perform kinship analysis and family tree builds. Through this research and analysis, potential identities and next-of-kin will be generated and relayed to the MDL in a formal genealogy investigation report.

Each of the genealogical databases return a list of individuals that have varying levels of matches to the unknown person. These matches are measured in and sorted by the level of shared centimorgans (a unit used to measure genetic linkage). Using this shared centimorgan (cM) value, The Shared Centimorgan Project and proprietary calculators, the genealogist is able to predict the possible relationships between the database match and the unknown person. The genealogists will draw upon this prediction for a number of different matches to build their family trees and ultimately arrive at a conclusion for the likely identity of the unknown person or identify a focused test. Bode's genealogy team has extensive genealogy

research knowledge with >95 years combined experience and is honored at the opportunity to assist the MDPS and MSFL in the identification of unresolved identities.

Bode's team has exceptional genealogy research skills and is proficient in advanced methodologies for tracing lineages and studying historical records. Each team member has demonstrated capabilities to overcome challenges including adoption, non-parental events, endogamy and pedigree collapse. The team is well-rounded with each genealogist specializing in different complexities and cultural record anomalies. Each genealogist participates in continued professional development and regularly attends conferences, workshops and certification courses. Bode's lead genealogist is one of the first Accredited Investigative Genetic Genealogists (AIGG) by the Investigative Genetic Genealogy Accreditation Board (IGGAB). Additionally, three (3) of the team members are instructors of well-known genealogy certification programs. Bode's genealogy team members belong to multiple professional organizations with two (2) genealogists being Certified Genealogists® from the Board for Certification of Genealogists®. Other professional organizations our team belongs to are Council for Advancement of Forensic Genealogy, Association of Professional Genealogists, National Genealogical Society and many state specific genealogical societies and councils.

Integrity and ethical conduct are paramount in Bode's practice. We adhere to the highest standards of genealogical research ethics, ensuring that privacy is respected, and all sensitive information is handled with care. All findings are well-documented, accurate and reliable.

Recently Bode has partnered with GEDmatch PRO database to enhance the use of forensic genetic genealogy for law enforcement investigations. This partnership leverages Bode's expertise in FIGG services and GEDmatch PRO's powerful genealogical database and tools. By combining Bode's FGS team with GEDmatch PRO's genealogical resources, the partnership enables law enforcement to solve complex cases and unknown identities more efficiently while upholding the highest standards of privacy and ethical responsibility.

With the ability to conduct short tandem repeat (STR) testing on forensic samples in accordance with ISO17025:2017 and the FBI Quality Assurance Standards, Bode is able to offer the final and critical part of the investigation by performing confirmation testing. Once a possible identity in a case is determined, investigators should obtain a reference sample to perform a direct comparison to the original evidence. Both the Department of Justice (DOJ) and the Scientific Working Group on DNA Analysis Methods (SWGDM) advise that a STR comparison should be used for the final confirmation and identity resolution rather than a SNP to SNP kinship inference. Bode offers complex kinship comparisons and expedited confirmation testing in our accredited laboratory to quickly confirm the identity of the individual. A court-ready report that includes the statistical likelihood of relatedness will be issued.

Regardless of which technology, or combination of testing technologies, is utilized, our services will deliver a direct comparison forensic report between two samples. This report will provide comprehensive details on the genetic relationship between the samples and analyze all potential relationships that may arise during the investigation. In the event of a lead generated within the database, our reports will provide an in-depth analysis of the potential relationships, offering valuable insights for law enforcement.

State- and Region-Specific Case Experience

- *Proven success generating SNP profiles and genealogical results from the extremely old, degraded skeletal material.*

Bode is honored to have helped in the identity resolution of unidentified remains and violent crime offenders utilizing STR, YSTR, mtDNA and FIGG methodologies. Bode considers a sample passing when the quality of the result is suitable for

searching in both the FamilyTreeDNA database and GEDMatch PRO database. By implementing our triaging step, we have >98% success rate for our whole genome sequencing.

Over the last seven years with the implementation of forensic genealogy services, Bode's genealogy team has assisted law enforcement agencies across the United States with more than 600 cases which included cold case rapes, homicides, and the identification of unidentified human remains. Below are a few case examples where Bode worked together with the submitting agency to identify the DNA donor:

- Serial rapist in Rankin County, Mississippi was identified with the joint efforts of many teams including that of Rankin County District Attorney's Office and Bode Technology. An aged semen sample was extracted and a SNP genotype file generated using whole genome sequencing. The SNP genotype file was uploaded to the database and subsequent genealogy research conducted. This work led to the identification of Daniel Ray Skaggs as the source of the semen in at least two sexual assaults.
- Double-homicide and rape of a young couple in 1956 in Cascade County, MT. This is the oldest serial murderer identification so far.
- Texas DPS Rangers and Phoenix Police Department paired up with Bode Technology to utilize FIGG in the identification of a late 1980s serial rapist of minors. Foreign male DNA from the clothing of a victim was sequenced and genealogy research completed to identify David Mundt in the abductions and rapes.
- The Porchlight Project to identify the human remains discovered in 2016 in New London, OH, which were concluded to belong to a young female who died in 1881. This is the oldest person on record to be identified in this way (born 1862) and employed matches 7 generations from the Most Recent Common Ancestor.
- Mesa Forensic Sciences and Bode worked together to identify The East Valley Rapist, believed to have committed at least eight rapes, three linked by DNA. This individual had Iberian Peninsula and New World ancestry and required new methodologies to solve, overcoming endogamy and CRS peculiarities.
- Portland Police Bureau and Bode paired together and utilized FIGG to identify the unknown male profile at the homicide scene of Mark Dribin. This work identified a man who was arrested and found to be in possession of a dismembered body of a 2nd missing person.
- Bode was honored to work together with the Baltimore County Police Department and the National Center for Missing and Exploited Children on the unidentified female remains known as Woodlawn Jane Doe. Our work was able to name this young woman and further the investigation into her death.
- Connecticut Department of Emergency Services and Public Protection and Bode joined together to utilize FIGG to identify two serial rapists acting in the early 1980s and early 2000s.

Documentation and Testimony

- *Vendor must provide a secure, 24/7 self-service electronic system for documenting and evaluating forensic genetic genealogy test requests.*

- *The vendor must be able to provide casework details including, but not limited to, chain-of custody, laboratory methods, summary report generation, and technical review documentation when needed.*
- *Vendor must be able to provide forensic reports to document all steps of the laboratory and investigative process*
- *If court testimony is needed, a separate quote will be requested and a purchase order submitted.*

As part of our FIGG process, Bode implements a secure, user-friendly electronic system which is available 24/7 for documenting and evaluating test requests. This system will enable authorized users to submit, track, and manage test requests seamlessly, ensuring a streamlined and efficient process.

Our commitment to transparency extends to providing detailed information on casework, including:

1. Chain of Custody: We adhere to rigorous chain of custody protocols to ensure the integrity and legality of the samples throughout the testing process.
2. Laboratory Methods: Our testing methods adhere to industry standards and are conducted using cutting-edge technologies, as discussed herein, to ensure accuracy and reliability.
3. Summary Report Generation: We provide comprehensive summary reports that distill the finds of the advanced DNA and FIGG testing into a clear and understandable format.
4. Technical Review Documentation: All reports undergo a complete technical and administrative review prior to reporting results.

All processing, laboratory notes, communications, conclusions and report and documentation of technical review are retained and included in a case file.

Expert Witness Testimony

Bode is prepared to testify in a court of competent jurisdiction in the event that laboratory findings are referred for adjudication. If a discovery request is made prior to an appearance in court, Bode's expert witness services include the generation of discovery materials as needed, telephonic/e-mail communications to prepare for depositions or court appearances, all necessary documentation (i.e. up to date COC documents), background documents describing processing and methodology as well as commonly asked questions.

Bode has over twenty years of experience in providing expert witness testimony and other valuable litigation support, with Bode scientists testifying in cases at the federal, state, and local level, as well as in military cases. Bode scientists are recognized experts in their fields and hold advanced degrees, with the majority of Bode's casework analysts possessing experience in expert witness testimony. In total, Bode has testified as a result of serological or DNA analysis on forensic casework samples over 1,000 times. Additionally, Bode has testified in analysis methods utilized for FIGG in State of MS vs. Daniel Ray Skaggs. Bode's staff works closely with clients to ensure that the DNA results and testimony are clearly understood by the court and jury. Bode's testimony process includes the completion of an evaluation form by the client attorney for all analysts' courtroom testimony allowing attorneys an opportunity to provide feedback regarding their experience with Bode's expert witness testimony services.

All of Bode forensic casework analysts undergo moot court training prior to becoming qualified to perform forensic casework analysis; therefore, Bode has available approximately fifty-five (55) analysts who are able to testify as expert

witnesses. Combined, Bode analysts average approximately 100 court testimony appearances per year, and have received favorable reviews during the evaluation of their appearance, direct examination presentation, court demeanor, and cross-examination presentation by the responding attorney or court representative.

Additional Quality Value-Adds

In addition to meeting the required quality assurance standards, Bode has several additional quality control and quality assurance procedures in place to ensure the accuracy and reliability of testing and prevent contamination between cases. Bode tracks samples from the point of receipt through reporting using an internally developed LIMS. In addition to LIMS tracking, Bode has implemented barcode tracking of sample tubes and plates throughout the process to minimize the risk of manual transcription errors or potential sample switches. Bode has a robust quality management system including a full-time Quality Assurance Manager and a full-time Technical Leader. Bode's laboratory and quality management system are audited by external accrediting bodies at least every two years but this typically happens annually. Bode also conducts internal audits annually. On Bode's last 3 external audits, no findings or non-conformities were identified. Bode scientists also participate in external proficiency tests twice per year. For Bode's Forensic Genealogy service specifically, Bode has built in several QA/QC measures which are documented in Bode's written protocols. Examples include twice annual observation based monitoring for massively parallel sequencing processing, reporting and technical review. All samples are kept discrete through an assigned unrelated alias and privacy settings in both databases to ensure quality control over the genealogy investigation. At the completion of each phase Bode will generate a report with our findings and recommendations. All reports undergo a thorough technical and administrative review before delivery.

Technical Evaluation

- *Vendor's technical response must successfully demonstrate the capability to meet the RFP requirements. This includes providing responses documenting the ability to meet the required specifications for all services noted within this document.*
- *Vendor's professional references must include names and addresses or organizations with whom the vendor laboratory previously contracted with to provide similar services. A minimum of three (3) reference laboratories.*

Bode has provided responses to the technical questions which demonstrate our capability to meet the requirements within the RFP. Bode's references are included as **Attachment C**.

2.2.1 The Contractors shall:

- *Assign a Contractor Account Representative to work directly with the Contracting Agency Representative.*
- *All state facilities are non-smoking; the Contractor and its personnel must adhere to this requirement. The use of tobacco products is prohibited, except within designated smoking areas.*
- *It is illegal to have in one's possession any illegal drug or alcoholic beverage while on state property.*
- *The Contractor's employees should refrain from using foul, abusive, or profane language on state property.*
- *The MDPS reserves the right to inspect and search all Contractor personnel and/or vehicles anytime while on facility grounds.*
- *Contractors are required to sign-in and sign-out at most state facilities. Security provisions*

for all state facilities must be strictly observed.

- Be responsible for all damages and shall be held responsible for replacing or repairing any damage due to negligence on the part of the Contractor or Contractor personnel to any person(s) and/or property. The Contractor shall replace and repair any damage to any building or property, including but not limited to the replacement of any cracked or broken concrete (sidewalks, curbs, etc.) caused by on-site activities. Contracting Agency may withhold payment or make such deductions as deemed necessary to ensure reimbursement or replacement for loss or damage to property.
- Exercise precautions at all times for the protection of persons (including employees) and property. The Contractor shall make such investigations to enable them to fully understand the facilities, difficulties, and restrictions attending the execution of the work on-site. The project shall at all times be properly supervised and adequately manned by an experienced crew of appropriate size. All work shall be accomplished by skilled workers familiar with and trained to do this type of work. Workers shall be qualified to operate and/or use the equipment necessary to accomplish this work. The Contractor shall be responsible for the supervision and direction of the work performed by its personnel. The Contractor shall be responsible for instructing its personnel in all safety measures. All equipment used by the Contractor shall be maintained in safe operating condition at all times and be free from defects or wear that may in any way constitute a hazard to any person or persons on state property. All incidents involving agency property or personnel shall be reported to the designated agency contact immediately upon occurrence.
- Abide by all State and/or agency policies, procedures, ordinances, and/or laws pertaining to the Contracting Agency's operation at all times, including but not limited to the items listed above. Deviations from these policies by the Contractor or its personnel will not be tolerated and will be considered grounds for contract termination.
- Perform all services provided in the contract between the bidder/vendor and MDPS in accordance with customary and reasonable industry standards as well as in strict conformance to all laws, statutes, and ordinances and the applicable rules, regulations, methods and procedures of all government boards, bureaus, offices, and other agents. The Contractor shall be responsible for the complete performance of all work; for the methods, means, and equipment used; and for furnishing all materials, tools, apparatus, and property of every description used in connection therewith. No statement within this IFB shall negate compliance with any applicable governing regulation. The absence of detail specifications or the omission of detail description shall be recognized as meaning that only the best commercial practices are to prevail, and that only first quality materials and workmanship are to be used.

Bode's Account Representative on this project is Teresa Vreeland, Vice President, Forensic Genealogy Services. Bode agrees to the other requirements above.

2.2.2 The Contractors shall also:

- Administer and maintain all employment and payroll records, payroll processing, and payment of payroll checks and

taxes, including the deductions required by state, federal, and local laws such as social security and withholding taxes for their business and employees.

- *Make all unemployment compensation contributions as required by federal and state law(s) and process claims as required for their business and employees.*
- *Perform a background check and/or drug screening prior to placement if requested by the Contracting Agency and verify and/or provide the results; and,*
- *Replace immediately, at no additional expense to the Contracting Agency, any employee not performing satisfactorily.*

Bode agrees to the requirements above.

4.1.4 Minimum Qualifications to be Deemed Responsive

- *Bidder must have been in business and providing the services listed in IFB or in requirements and scale to those described in this Invitation for Bid for a minimum of one (1) year.*
- *Bidder must maintain a pool of qualified workers to fill the requests from MDPS.*
- *The bidder must provide three references that the vendor has contracts with providing the same scope of services.*

Bode has completed more than 600 forensic investigative genetic genealogy cases since late 2018 (6+ years' experience). Bode has provided STR testing since 1999, Y-STR testing since 2006, and mtDNA testing since 1998. Bode employs over 250 people, of which approximately 165 are highly skilled analysts, scientists, and technicians who develop and utilize state-of-the-art technology at Bode's Lorton, Virginia laboratory. Bode has provided three references attached hereto as **Attachment C.**

4.2 References

These minimum qualifications are in addition to a minimum score of six on the Reference Score Sheet (Attachment E) from reference interviews by the MS Department of Public Safety with three bidder/contractor references (for a total minimum score of (eighteen), as well as all other requirements of this Invitation for Bids. (See Attachments C and E.)

References must be listed on Attachment C.

Bode understands these requirements and has listed three references on **Attachment C.**

ATTACHMENTS

- Bid Cover Sheet (**Attachment A**)
 - Bid (**Attachment B**)
 - References (**Attachment C**)
- Certifications and Assurances (**Attachment D**)

Attachment One – Accreditation and Scope



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Bode Cellmark Forensics, Inc.
dba Bode Technology
10430 Furnace Road, Lorton, Virginia 22079 USA

Fulfills the requirements of

ISO/IEC 17025:2017

Accreditation Requirements for Forensic Testing and Calibration (2023)
FBI Quality Assurance Standards for Forensic DNA Testing Laboratories:2020
FBI Quality Assurance Standards for DNA Databasing Laboratories:2020

In the field of

Forensic Testing

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.


Pamela L. Sale, Vice President, Forensics

Expiry Date: 30 April 2029
Certificate Number: FT-0268





SCOPE OF ACCREDITATION TO:
ISO/IEC 17025:2017
Accreditation Requirements for Forensic Testing and Calibration (2023)
FBI Quality Assurance Standards for Forensic DNA Testing Laboratories: 2020
FBI Quality Assurance Standards for DNA Databasing Laboratories: 2020

Bode Cellmark Forensics, Inc.
dba Bode Technology
10430 Furnace Road
Lorton, Virginia 22079 USA

FORENSIC TESTING

ISO/IEC 17025 Accreditation Granted: 28 May 2008
Certificate Number: FT-0268 Certificate Expiry Date: 30 April 2029

Discipline: Biology		
Component/Parameter	Item	Key Equipment/Technology
DNA Profile Determination	Mitochondrial	Capillary Electrophoresis Massively Parallel Sequencing
	Short Tandem Repeat (STR) Single-Nucleotide Polymorphism (SNP) Y-Short Tandem Repeat (Y-STR)	
DNA Profile Determination (Database Samples)	Short Tandem Repeat (STR) Y-Short Tandem Repeat (Y-STR)	Capillary Electrophoresis
Physical Comparison	DNA Profile	Software Program
Qualitative Determination	Body Fluid Epithelial Cell	Chemical
		Fluorescence Spectroscopy General Microscopy Immunoassay

Discipline: Rapid DNA		
Component/Parameter	Item	Key Equipment/Technology
DNA Profile Development	Short Tandem Repeat (STR)	Capillary Electrophoresis

Discipline: Materials (Trace)		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Hair	General Microscopy Visual

When published on a forensic service provider's Scope of Accreditation, ANAB has confirmed the competence required to develop and validate methods and perform on-going quality assurance for accredited activities. For a listed component/parameter, the forensic service provider may add or modify methods for activities without formal notice to ANAB for items and key equipment/technology listed. Contact the forensic service provider for information on the method utilized for accredited work.


Pamela L. Sale
Vice President, Forensics



Vendor Bid Packet #2



STATE OF MISSISSIPPI

TATE REEVES, GOVERNOR

DEPARTMENT OF PUBLIC SAFETY

SEAN J. TINDELL, COMMISSIONER

May 2, 2025

Allison Nunes

DNA Labs International

700 W Hillsboro Blvd, Bldg.3

Deerfield Beach, Fl 33441

RE: Invitation for Bids #3160007282 to provide Customized Testing and Reporting Services for Customized Testing and Reporting Services for Human DNA testing for the Mississippi Department for Public Safety (MDPS) Forensic Laboratory.

Mrs. Nunes,

The MS Department of Public Safety would like to thank you for your time, effort, and interest in the Invitation for Bids (IFB) for Customized Testing and Reporting Services Customized Testing and Reporting Services for Human DNA testing. However, based on the award criteria that was listed in the IFB, we have selected another company. Our choice in no way reflects upon your excellent skills and abilities.

We sincerely thank you for submitting your bid and appreciate your interest. Although your company was not chosen, we will keep your company information on our mailing lists for any future projects we might have.

Should you have any questions, please do not hesitate to contact the Procurement Department. Sincerely,

A handwritten signature in black ink, appearing to read "Britney Wesley".

Britney Wesley, Procurement Officer
/bw

POST OFFICE Box 958 • JACKSON, MS 39205-0958 • TELEPHONE 601-987-1212 • FAX 601-987-1498 • www.dps.state.ms.us

ATTACHMENT A

Bid Cover Sheet

The Mississippi Department for Public Safety is seeking to establish a contract for Customized Testing and Reporting Services for DNA testing services for our Forensic Laboratory. Bids are to be submitted as listed below, on or before 10:00 A.M. CST April 24, 2025.

PLEASE MARK YOUR ENVELOPE:

IFB 3160007282
Opening Date: April 24, 2025
Mississippi Department of
Public Safety
Attention: Britney Wesley or Sonya Williams
1900 E. Woodrow Wilson Boulevard, 4th Floor, Room 402
Jackson, MS 39216

SEALED BID — DO NOT OPEN

Name of Company: DNA Labs International
Quoted By: Allison Nunes - President
Signature: *Allison Nunes*
Address: 700 W Hillsboro Blvd, Bldg. 3
City/State/Zip Code: Deerfield Beach, FL 33441
Company Representative: Allison Nunes
Telephone: Office: 954-426-5163, Cell: 540-558-8533
Fax: N/A
E-mail: contracts@dnalabsinternational.com

FEL/FIN # (if company, corporation, or partnership):	56-2486062
SS# (if individual):	

Name and phone number of Company Representative to be contacted by Agencies seeking to contract for services pursuant to this IFB:

Katy Piszczek - Contract Specialist /954-426-5163

In addition to providing the above contact information, please answer the following questions regarding your company:

What year was your company started? 2004

How many years and/or months has your company been in the business of performing the services called for in this Invitation for Bids? 20 years of Forensic DNA Testing Services, 6 years of Genealogy

Please provide the physical location and mailing address of your company's home office, principal place of business, and place of incorporation.

Physical location/Mailing address: 700 W Hillsboro Blvd., Bldg. 3, Deerfield Beach, FL 33441

Place of Incorporation: Florida

If your company is not physically located in the region, how will you provide Customized Testing and Reporting services to the Mississippi Forensics Laboratory?

Please see pages 13-24 of our proposal.

Is your company currently for sale or involved in any transaction to expand or to become acquired by another business entity? If yes, please discuss the impact both in organizational and directional terms. DNA Labs International is not currently for sale nor involved in any transaction to expand or to become acquired by another business entity.

List all licenses or permits your company possesses that are applicable to performing the services required in this Invitation for Bids. Please see pages 5-8 of the proposal for our accreditation certificates.

For how many customers has your company provided the requested service in this IFB in the past two (2) years? Please include the dates, the size of the area maintained, and the annual amount of the billing to each customer.

DNA Labs International has provided this service to 44 clients in the past 2 years. Please see our spreadsheet "Genealogy Work 2023 - March 2025" for additional information.

What is the largest customer your company has provided Customized Testing and Reporting assessment services for in the past two (2) years? Please include the annual amount of the billing.

Virginia State Police Bureau of Criminal Investigation
2023 - \$34,433.00, 2024 - \$5,295.00, Jan-Mar 2025 - \$5,295.00

Describe any specific service which your company offers along with any specialized experience, certification, and/or education of your current staff. Please see our proposal included with this IFB response after Attachment D.

List all the equipment that your company has available or that is intended to be used to perform the services required in this Invitation for Bids. Please see attached "Equipment List" spreadsheet

OWNED EQUIPMENT					Please see attached "Equipment List" spreadsheet				
Year	Make	Model	ID#	Capacity	Description				

RENTED/LEASED EQUIPMENT					DLI does not rent/lease any equipment				
Year	Make	Model	ID#	Capacity	Description				

Attachment B

Bid for Customized Testing and Reporting Services for MSFL

Company	Company Representative	Telephone
DNA Labs International	Allison Nunes - President	954-426-5163

The pricing quoted must be inclusive of, but not limited to the following:

- All required equipment and materials
- All required insurance
- All required overhead.
- All required profit
- All required transportation
- All required labor
- All required business and professional licenses, permits, fees, etc. (if any)
- Any and all other costs associated with performing the services.

The pricing must include ALL associated costs with no additional or hidden fees.

Customized Testing and Reporting Services for the MS Department of Public Safety, MS
Forensic Laboratory

RFX# 3160007282

Date: April 24, 2025 – Time: 10:00 A.M. (CST)

The pricing must include ALL associated costs with no additional or hidden fees.

*(Detailed Description of services can be found in
Section 2.2 of this IFB)*

<i>BID FORM (Part one)</i>	
Description	Price
Price Per Specialty Bundle	
Extraction, quant, amp, CE, data + YFP	<u>\$ 2,745.00</u>
Extraction, quant, amp, CE, data + FGG	<u>\$ 10,395.00</u>
Extraction, quant, amp, CE, data + YFP, + FGG	<u>\$ 10,895.00</u>
Extraction, quant, amp, CE, data	<u>\$ 2,245.00</u>
Grand Total (Price for all four Specialty Bundles)	<u>\$ 26,280.00</u>

Bid Form (Part Two)

Bidders shall acknowledge which of the following statements is applicable regarding release of its bid document as a public record. A bidder may be deemed non-responsive if the bidder does not acknowledge either statement, acknowledges both statements, or fails to comply with the requirements of the statement acknowledged. Choose one:

☒ Along with a complete copy of its bid, bidder has submitted a second copy of the bid document in which all information bidder deems to be confidential commercial and financial information and/or trade secrets is redacted in black. Bidder acknowledges that it may be subject to exclusion pursuant to Chapter 15 of the PPRB OPSCR Rules and Regulations if the MSDPS or the Public Procurement Review Board determine redactions were made in bad faith in order to prohibit public access to portions of the bid which are not subject to Mississippi Code Annotated §§ 25-61-9, 75-26-1 through 75-26-19, and/or 79-23-1. Bidder acknowledges and agrees that MSDPS may release the redacted copy of the bid document at any time as a public record without further notice to bidder. A bidder who selects this option but fails to submit a redacted copy of its bid may be deemed non-responsive.

☒ Bidder hereby certifies that the complete unredacted copy of its bid may be released as a public record by the MSDPS at any time without notice to bidder. Bidder explicitly waives any right to receive notice of a request to inspect, examine, copy, or reproduce its bid as provided in Mississippi Code Annotated § 25-61-9(1)(a). The bid contains no information bidder deems to be confidential commercial and financial information and/or trade secrets in accordance with Mississippi Code Annotated §§ 25-61-9, 75-26-1 through 75-26-19, and/or 79-23-1. A bidder who selects this option but submits a redacted copy of its bid may be deemed non-responsive.

Bid Form (Part Three)

By signing below, the Company Representative certifies that he/she has authority to bind the company, and further acknowledges on behalf of the company:

1. That he/she has thoroughly read and understands this Invitation for Bids, 3160007282, and the attachments herein.
2. That the company meets all requirements and acknowledges all certifications contained in this Invitation for Bids, 3160007282, and the attachments herein.
3. That the company agrees to all provisions of this Invitation for Bids, 3160007282, and the attachments herein.
4. That the company will perform, without delay, the services required at the prices quoted in Attachment B.
5. This is the best of its knowledge and belief the cost or pricing data submitted is accurate, complete, and current as of the submission date.
6. That the company has, or will secure, at its own expense, applicable personnel who shall be qualified to performed under this Invitation for Bids.

Printed Name: Allison Nunes

Signature/Date:  4-22-2025

Attachment C

Reference 1

Name of Company: Oklahoma City Police Department
Dates of Services: 3/2023 - Present
Contact Person: Chris Miller - Inspector
Address: 700 Colcord Dr.
City/State/Zip: Oklahoma City, OK 73102
Telephone: 405-316-4960
Fax: N/A - email address: chris.miller@okc.ov

Reference 2 Virginia Department of State Police, Bureau of Criminal Investigation – Criminal

Name of Company: Intelligence Division/Virginia Fusion Center
Dates of Services: Forensic Testing: 2019-Present, Genealogy: 2022-Present
Contact Person: Thomas J. Kohlbeck - Lead Analyst
Address: Administrative Headquarters - 7700 Midlothian Turnpike
City/State/Zip: North Chesterfield, VA 23235
Telephone: Office: 804-674-2261, Cell: 804-212-5060
Fax: N/A - email address: thomas.kohlbeck@vsp.virginia.gov

Reference 3

Name of Company: MSDPS Forensic Laboratory
Dates of Services: May 1 2024-Present
Contact Person: Mary Jones Dukes, MS, MBA, CSSGB
Address: 215 Allen Stuart Drive
City/State/Zip: Pearl, MS 39208
Telephone: Office: +1 601-420-9005
Fax: N/A - email: mjdukes@mcl.ms.gov

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until 3 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Attachment C

Reference 1

Name of Company: New York City Office of the Chief Medical Examiner
Dates of Services: 2024-Present
Contact Person: Angela Soler, Ph.D., D-ABRA - Assistant Director of Forensic Anthropology
Address: 520 First Avenue
City/State/Zip: New York, NY 10016
Telephone: 212-447-2763
Fax: N/A - email: ASoler@ocme.nyc.gov

Reference 2

Name of Company: City of Tulsa
Dates of Services: 2021-Present via the DLJ Utah Satellite Office (formerly IMF)
Contact Person: Dr. Phoebe R. Stubblefield, Ph.D. - Forensic Anthropologist
Address: 175 E. 2nd Street, Suite 575
City/State/Zip: Tulsa, OK 74103
Telephone: 352-273-8270
Fax: N/A - email: phoebes@ufl.edu

Reference 3

Name of Company: Pennsylvania State Police
Dates of Services: 2019-Present
Contact Person: Brian Noll - State Trooper
Address: 250 Dessen Drive
City/State/Zip: West Hazleton, PA 18201
Telephone: (570) 220-8475
Fax: N/A - email: bnoll@pa.gov

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until 3 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Attachment C

Reference 1

Name of Company: Alachua County Sheriff's Office
Dates of Services: Forensic Testing: 2016-Present, Genealogy: 2019-Present
Contact Person: Kevin Allen, Investigator
Address: 2621 SE Hawthorne Rd
City/State/Zip: Gainesville, FL 32641
Telephone: (352) 384-3323
Fax: N/A - email: kallen@alachuasheriff.org

Reference 2

Name of Company: Grays Harbor County Sheriff's Office
Dates of Services: 2020 - Present
Contact Person: Darrin E. Wallace, Chief Civil Investigations Deputy
Address: 100 W Broadway Ave #3
City/State/Zip: Montesano, WA 98563
Telephone: Office: (360) 964-1742, Cell: (360) 580-4178
Fax: N/A - email: dwallace@graysharbor.us

Reference 3

Name of Company: United States Army Criminal Investigation Laboratory:
Dates of Services: 2023 - Present (via DLI Utah Satellite Office)
Contact Person: Lindsey Smith M.S.F.S, Forensic Biologist
Address: Russel-Knox Building, 27130 Telegraph Rd
City/State/Zip: Quantico, VA 22134
Telephone: (404) 469-4780
Fax: N/A - email: lindsey.g.smith4.civ@army.mil

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until 3 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Attachment C

Reference 1

Name of Company: Calaveras County Sheriff's Office Crime Lab
Dates of Services: 2022-Present (via DLI Utah Satellite Office)
Contact Person: Timothy Sturm, Operations Bureau Captain
Address: 1045 Jeff Tuttle Drive
City/State/Zip: San Andreas, CA 95249
Telephone: (209) 754-6500
Fax: N/A - email: tstorm@calaverascounty.gov

Reference 2

Name of Company:
Dates of Services:
Contact Person:
Address:
City/State/Zip:
Telephone:
Fax:

Reference 3

Name of Company:
Dates of Services:
Contact Person:
Address:
City/State/Zip:
Telephone:
Fax:

The bidder may submit as many references as desired by submitting as many additional copies of this Attachment C, References, as needed. The Mississippi Department of Public Safety will begin contacting references at the top of the list and will continue down the list until 3 contacts have been reached. See Section 4.2 of this Invitation for Bids.

Attachment D

Certifications and Assurances

☒ We make the following certifications and assurances as a required element of the bid to which it is attached, of the understanding that the truthfulness of the facts affirmed here and the continued compliance with these requirements are conditions precedent to the award or continuation of the related contract(s) by circling the applicable word or words in each paragraph below:

1. REPRESENTATION REGARDING CONTINGENT FEES

By responding to the solicitation, executing the contract the contractor represents that it ☒ has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract. If the contractor cannot make such a representation, a full and complete explanation shall be submitted in writing with the offeror's response, to the Agency prior to contract execution.

2. REPRESENTATIONS REGARDING GRATUITIES

Contractor represents that it ☒ has not ☒ is not ☒ and ☒ will not ☒ offer, give, or agree to give any employee or former employee of MSDPS a gratuity or offer of employment in connection with any approval, disapproval, recommendation, development, or any other action or decision related to the solicitation and resulting contract. Contractor further represents that no employee or former employee of agency has or is soliciting, demanding, accepting, or agreeing to accept a gratuity or offer of employment for the reasons previously stated; any such action by an employee or former employee in the future, if any, will be rejected by contractor. Contractor further represents that it is in compliance with the Mississippi Ethics in Government laws, codified at Mississippi Code Annotated §§ 25-4-101 through 25-4-121, and ☒ has not ☒ solicited any employee or former employee to act in violation of said law.

3. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

By submitting a bid, the bidder, certifies that the prices submitted in response to the solicitation have been arrived at independently and without any consultation, communication, or agreement with any other bidder, or competitor for the purpose of restricting competition.

4. PROSPECTIVE CONTRACTOR'S REPRESENTATION REGARDING CONTINGENT FEES

Contractor represents that it ☒ has not ☒ retained any person or agency on a percentage,

commission, or other contingent arrangement to secure this contract. If the contract cannot make such a representation, a full and complete explanation shall be submitted in writing with the bidder's response to the agency prior to contract execution. The prospective Contractor represents as a part of such Contractor's bid

Name/Title:

Signature/Date:

Allison Nunes - President



4-1-2025

Note: Please be sure to circle the applicable word or words provided above. Failure to circle the applicable word or words and/or to sign the bid may result in the bid being rejected as nonresponsive. Modifications or additions to any portion of this bid document may be cause for rejection of the bid.

+

AMENDMENT I
IFB- 3160007282
The Mississippi Department of Public Safety
April 8, 2025

The Mississippi Department of Public Safety amends the Invitation for Bid, to clarify the scope of service. Section 2.1 page 6; page 7, Autosomal STR, Y-STR, and Mitochondrial DNA profile generation; page 8, Technical Evaluation page 9; Page 15, Section 4.32.

Purpose

1. If any contract resulting from 3160007285 is not approved by the Public Procurement Review Board, it is void and no payment shall be made.
- Correction: If any contract resulting from **3160007282** is not approved by the Public Procurement Review Board, it is void and no payment shall be made.

Vendor Requirements

2. The vendor laboratory must follow the latest revision of the FBI's Quality Assurance guidelines and have audit records available for review.
- Correction: The vendor laboratory must follow the latest revision of the FBI's Quality Assurance **standards** and have audit records available for review.

Autosomal STR, Y-STR, and Mitochondrial DNA profile generation

3. Generation of an autosomal STR profile using the expanded CODIS Core loci using the Globalfiler PCR amplification kit.
- Correction: Generation of an autosomal STR profile **must be performed** using the expanded CODIS Core loci using the Globalfiler PCR amplification kit.
4. Generation of a Y-STR profile using the Applied Biosystems Yfiler Plus PCR amplification kit.
- Correction: Generation of a Y-STR profile **must be performed** using the Applied Biosystems Yfiler Plus PCR amplification kit.
5. Twenty-five (25) uL reaction volumes shall be used for autosomal and Y-STR amplifications to minimize inhibition of co extracts.

- Correction: Twenty-five (25) uL reaction volumes shall be used for autosomal and Y-STR amplifications to minimize **potential inhibitors**.

Technical Evaluation

6. Vendor's professional references must include names and addresses or organizations with whom the vendor laboratory previously contracted with to provide similar services. A minimum of three (3) reference laboratories.
- Correction: Vendor's professional references must include names and addresses or organizations with whom the vendor laboratory previously contracted with to provide similar services. A minimum of three (3) reference laboratories **must be provided**.

Contract Management

7. If the Contractor fails to adhere to the janitorial service schedule, or if the Contractor fails to satisfactorily provide the prescribed service to all or any service area, the Contracting Agency will inform the Contractor, and the Contractor shall complete corrective action within twenty-four (24) hours.
- Correction: If the Contractor fails to adhere to the **customized testing and reporting services**, or if the Contractor fails to satisfactorily provide the prescribed service to all or any service area, the Contracting Agency will inform the Contractor, and the Contractor shall complete corrective action within twenty-four (24) hours.

*****ACKNOWLEDGEMENT OF AMENDMENTS****

Bidders shall acknowledge receipt of any amendment to the solicitation by signing and returning the amendment with the bid. The acknowledgement must be received by DPS at the time and at the place specified for receipt of bids.

All other terms and conditions remain the same as listed in the invitation for bid.

For more information or questions regarding this IFB, please contact Britney Wesley at 601-987-1407, by fax at 601-987-1442 or by email at bjweslev@dps.ms.gov. You may also contact Sonya Williams at 601-987-1467, by fax at 601-987-1442 or by email at sonya.williams@dps.ms.gov.

I acknowledge and accept all the terms and conditions of the Invitation for Bid amendments. I hereby certify that I am authorized to sign for my company.

Allison Nunes
Signature

4-22-2025
Date

Allison Nunes
Name (Printed)

4-22-2025
Date

AMENDMENT II
IFB- 3160007282
The Mississippi Department of Public Safety
April 15, 2025

The Mississippi Department of Public Safety amends the Invitation for Bid page (12) 2.3.1.1 Requirements: Page 13 4.1.1 Award. Bid Form page 21 to clarify submission of price acceptance:

1. Requirements

Multi-term contract may be awarded to the bidder whose submit the lowest and best bid. To determine which bid is the lowest, MDPS will take the sum of each bidder subtotal price. Since bid is being awarded to lowest and best bid, Bidder must bid on all items. Failure to bid on all items will cause for rejection of bid.

Correction:

Multi-term contract may be awarded to the bidder whose submits **the lowest total cost for all four (4) bundles**. To determine which bid is the lowest, MDPS will take the sum of each bidder subtotal price. Since bid is being awarded to lowest and best bid for **all four bundles**, the Bidder must bid on all items. Failure to bid on all items will cause for rejection of bid.

2. Award

The agency intends to award one contract to provide the services described in this IFB to the lowest responsible and responsive bidder.

Correction:

The agency intends to award one contract to provide the services described in this IFB to the lowest responsible and responsive bidder **for all four (4) bundles**.

3. Customized Testing and Reporting for Human DNA testing Services to provide price per specialty bundle rather than price per case.

*****See attachment for updated Bid Form*****

*****ACKNOWLEDGEMENT OF AMENDMENTS****

Bidders shall acknowledge receipt of any amendment to the solicitation by signing and returning the amendment with the bid. The acknowledgement must be received by DPS at the time and at the place specified for receipt of bids.

All other terms and conditions remain the same as listed in the invitation for bid.

For more information or questions regarding this IFB, please contact Britney Wesley at 601-937-1407, by fax at 601-987-1442 or by email at biweslev@dps.ms.gov. You may also contact Sonya Williams at 601-987-1467, by fax at 601-987-1442 or by email at sonya.williams@dps.ms.gov.

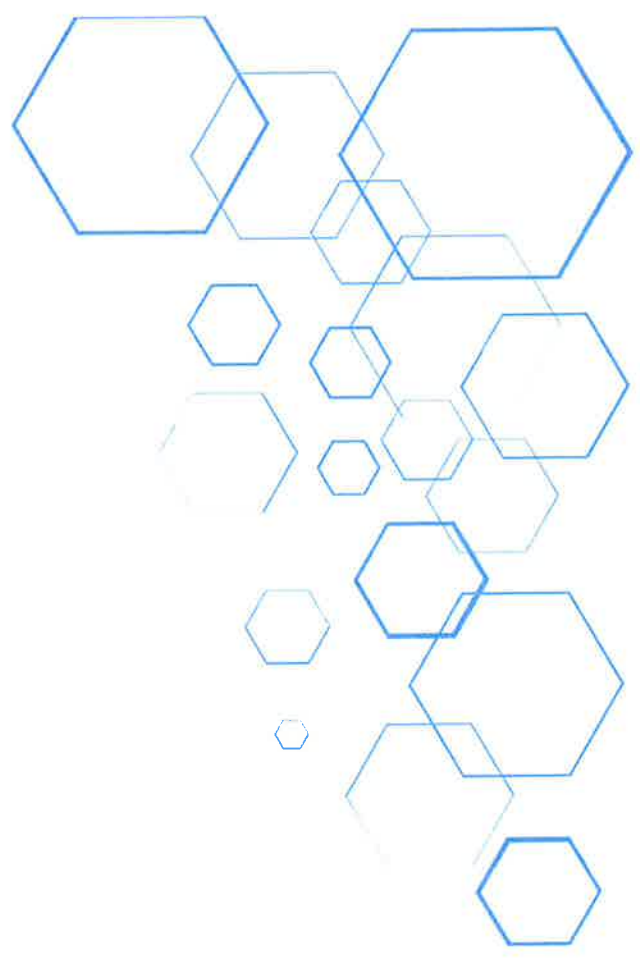
I acknowledge and accept all the terms and conditions of the Invitation for Bid amendments. I hereby certify that I am authorized to sign for my company.

Allison Nunes
Signature

4-22-2025
Date

Allison Nunes
Name (Printed)

4-22-2025
Date



Mississippi Department of Public Safety

To Provide:

Customized Testing and Reporting Services for Human DNA testing services for MSFL

IFB Number: 3160007282

Proposal by:

DNA Labs International

Due: April 24, 2025



DNA Labs International is a private woman and family-owned DNA laboratory. All forensic laboratory testing is in accordance with the FBI QAS and ANAB ISO/IEC 17025:2017 accreditation located in South Florida. We are celebrating our 20th anniversary supporting law enforcement agencies processing criminal forensic casework with the longest continuous hands-on ownership of any private forensic DNA laboratory in the US. We are passionate about our work and instill and share the company's core mission: to provide the highest quality results, friendly service, and innovative technology for law enforcement agencies and the victims they represent. When it comes to forensic casework, we are one of the top labs in the country, and we work with hundreds of agencies throughout the US, Canada, and Caribbean Nations.

We have a dedicated staff of over 115 people that are ready to help!



If our laboratory is selected to partner with you, we want you to consider us an extension of your own staff. We have all the proposed technology available in addition to a lot of new technology and are eager to follow all of your requirements. We are ready and willing to support you and your agency!

Experience & New Technology is the Difference in Solving Your Case

With over 20 years of experience, we know how to process forensic casework and meet deadlines while implementing the newest technology available. It is not only the technology that we have online, but more importantly, it is the people behind the casework that work tirelessly to achieve results while maintaining the highest quality possible while processing your evidence. You will hear from our references that we are accommodating, thorough, fulfill contractual deadlines, and achieve the best results with the highest quality possible.

Specialized & Proprietary Bone Protocol

Bones are often recovered from harsh environments and have been exposed to extreme heat, time, acidic soil, swamp, chemical treatments, etc. These harsh environmental conditions degrade the DNA present in the remains, which further complicates the already complicated procedure of releasing the DNA in cells buried deep within the bone matrix.

Our modified extraction of skeletal remains protocol, coupled with better bone preparation before powdering bone, had an immediate and profound effect on casework. Additionally, full DNA profiles are now being obtained from bones that had previously yielded no DNA. For one cold case in particular, a set of unidentified human remains from a male had yielded no DNA or insufficient DNA. This new procedure yielded a nearly full profile from the femur, and the DNA profile obtained was able to be compared to the son of the missing individual in question.

- Our scientists are expertly trained to identify fetal tissue among products of conception, employing microscopy to detect early fetal remains as early as six weeks.

- Our specialized techniques maximize the likelihood of obtaining results from formalin-fixed tissues, cremated remains, fingernails, and toenails. By integrating our exclusive extraction methods with a fully in-house FIGG workflow, we have successfully retrieved results from samples with a degradation index exceeding 1,000.

Cases that previously would have remained unsolved or taken months, if not years, can now be completed in as little as 72 hours from start to finish. New extraction protocols and improved technology are crucial in returning the 'good within these bones' home to their loved ones and bringing closure to all involved. **Since beginning this type of testing at DNA Labs International, we have worked on thousands of bone samples at our laboratory.**

We consistently yield the best results industry-wide.

Expert Forensic Genetic Genealogy Services

DNA results may only take you so far. Forensic genealogy can assist your case and provide you with new leads when a case does not yield a CODIS hit or a match to a known suspect's DNA profile.

We can process evidence from homicides, sexual assaults, violent crimes, unidentified remains, and products of conception. We have over 20 years of experience processing evidence from difficult samples from cold cases, bones, and degraded samples. Our team of Serologists, DNA Analysts, and Genealogists are trained to review each case with the understanding that each client and case type is unique with various circumstances and challenges, and each case will be given the time that is required for review before any testing.

DNA Labs International is the first and one of only a few accredited forensic testing laboratories following ANAB ISO/IEC 17025:2017 and FBI QAS processing samples from serology, extraction through the lab, and processing SNP testing with WGS, Kintelligence, and SNP Array.

Our Offices

- **Headquarters:** 700 W Hillsboro Blvd., Bldg. 3, Deerfield Beach, FL 33441
- **DLI Utah Satellite Office:** 4885 South 900 East, Suite 300, Salt Lake City, UT 84117

A Dedicated Company

DNA Labs International requires the highest level of quality and expertise of all its employees. You can have all of the best technology in the world, but it is really the entire team here that makes the difference. Scientists processing casework are well-rounded and have experience analyzing every type of evidence conceivable. Our scientists are innovative and passionate about helping you attain the best results possible.

We all have a “don’t stop until you have exhausted every possible technique” mindset.



Foundation

Our laboratory was built with a true understanding of what law enforcement agencies and government laboratories require. We will meet all testing workflows outlined in this RFP.

- Quality DNA testing quickly at an affordable rate.
- Continued innovation in the field of forensics. Your cases have every possible technology available to achieve the maximum result. New technology is detailed below.
- In March of 2022, we moved into a new 25,000-square-foot state-of-the-art facility to help process more forensic casework than ever before.
- In July 2024, we acquired Intermountain Forensics to bring Whole Genome Sequencing online and offer even more technologies to our clients.



Technology

DNA Labs International focuses on innovation across all casework types, and we have the newest technology of any forensic DNA lab across the country.



Case Reviews for the Mississippi Department of Public Safety/Mississippi Forensic Laboratory

Our dedicated client experience team helps coordinate detailed case reviews to help identify the best technology available to help solve your current or cold cases. We spend as much time as necessary to help your cold case team develop a testing plan that best suits your case and its evidence. As a free service, we conduct extensive case reviews to ensure your case achieves the best results possible.

The review covers:

- DNA reports and crime scene photos one by one with the detectives.
- We identify DNA evidence and technology and prioritize testing plans to achieve results most efficiently and cost-effectively.
- We only work forensic cases with law enforcement agencies, government laboratories and attorneys. We are vigilant of the budget constraints and the costs associated with what we recommend. We want you to achieve quality results and will make every effort to only suggest testing a minimal amount of evidence that will be most impactful.

Partnership with the Mississippi Department of Public Safety and Mississippi Forensic Laboratory

Since May 2024 we have partnered with the Mississippi Department of Public Safety for contract cases and case-by-case submissions. Over the past year we processed 25 MSDPS/MSFL cases comprised of 40 samples. We have met all deadlines, and we appreciate and hope to continue this partnership in the future.

Casework Volume & Staffing

We have processed over 175,000 forensic samples in the last three years alone.

We have processed hundreds of thousands of samples over the past 20 years.

Currently, we can process 4,000+ samples a month and increasing.

We grow to meet client needs. We have a staff of over 115 employees now and expect to grow 30-40% annually. We continue to grow annually with trusted long-term partnerships.

We all have a “don’t stop until you have exhausted every possible technique” mindset.

Typical Casework



- | | |
|-----|---|
| 50% | SAKs & Laboratory Outsourcing |
| 20% | Gun Possession and Property Crimes |
| 25% | Active Homicides, Cold Case Homicides & Genealogy |
| 5% | Unidentified Human Remains/Bones |

100% Committed to Quality Forensic DNA Testing!

Our Quality Promise at DNA Labs International

Accreditation

DNA Labs International is a private woman and family-owned, DNA testing laboratory accredited in accordance with the ANAB ISO/IEC 17025:2017 and FBI QAS standards located in South Florida. DNA Labs International has consistently held ISO 17025 accreditation since our first award back in 2005.

Our forensic genetic genealogy protocol is on our scope of accreditation. Accreditation status is frequently questioned during expert witness testimony and provides a framework for reliable quality testing. Without accreditation, there are no guidelines holding a laboratory's processes accountable to ensure quality. We have never performed testing on casework without being accredited, as that would jeopardize the case and its results.

Quality Assurance

DNA Labs International is accredited by ANSI-ASQ National Accreditation Board (ANAB), the country's longest established provider of ISO accreditation to Forensic Sciences testing laboratories in the US. The ANAB inspects U.S. laboratories for adherence to standards set by the International Organization for Standardization (ISO) and the DNA Advisory Board established by the Director of the FBI.



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

DNA Labs International

700 West Hillsboro Boulevard, Bldg. 3, Deerfield Beach, Florida 33441 USA

Fulfills the requirements of

ISO/IEC 17025:2017

ANAB Forensic Testing & Calibration AR 3125:2019

FBI Quality Assurance Standards for Forensic DNA Testing Laboratories:2020

FBI Quality Assurance Standards for DNA Databasing Laboratories:2020

In the field of

Forensic Testing

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.


Pamela L. Sale, Vice President, Forensics
Expiry Date: 28 February 2026
Certificate Number: FT-0245





SCOPE OF ACCREDITATION TO:
ISO/IEC 17025:2017
ANAB Forensic Testing & Calibration AR 3125:2019
FBI Quality Assurance Standards for Forensic DNA Testing Laboratories:2020
FBI Quality Assurance Standards for DNA Databasing Laboratories:2020

DNA Labs International
700 West Hillsboro Boulevard, Bldg. 3
Deerfield Beach, Florida 33441 USA

FORENSIC TESTING

Expiry Date: 28 February 2026 Certificate Number: FT-0245

Discipline: Biology		
Component/Parameter	Item	Key Equipment/Technology
DNA Profile Determination	Mitochondrial	Capillary Electrophoresis Massively Parallel Sequencing
	Short Tandem Repeat (STR)	
	Single-Nucleotide Polymorphism (SNP)	
Individual Characteristic Database	X-Short Tandem Repeat (X-STR)	Other Named Database
	Y-Short Tandem Repeat (Y-STR)	
	DNA Profile	
Physical Comparison	DNA Profile	Software Program
Qualitative Determination	Body Fluid	Chemical Fluorescence Spectroscopy General Microscopy Immunossay
	Epithelial Cell	

When published on a forensic service provider's Scope of Accreditation, ANAB has confirmed the competence required to develop and validate methods and perform on-going quality assurance for accredited activities. For a listed component/parameter, the forensic service provider may add or modify methods for activities without formal notice to ANAB for items and key equipment/technology listed. Contact the forensic service provider for information on the method utilized for accredited work.


Pamela L. Sale
Vice President, Forensics



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Intermountain Forensics

4885 South 900 East, Suite 300, Salt Lake City, Utah 84117 USA

Fulfill: the requirements of

ISO/IEC 17025:2017

Accreditation Requirements for Forensic Testing and Calibration (2023)
FBI Quality Assurance Standards for Forensic DNA Testing Laboratories: 2020
(Utah Location Only for FBI Quality Assurance Standard)

In the field of

Forensic Testing

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org




Pamela L. Sale, Vice President, Forensics
Expiry Date: 31 August 2025
Certificate Number: FT-0359





SCOPE OF ACCREDITATION TO:
ISO/IEC 17025:2017
Accreditation Requirements for Forensic Testing and Calibration (2023)
FBI Quality Assurance Standards for Forensic DNA Testing Laboratories:2020 (Utah
Location Only)

Intermountain Forensics
See locations listed below

FORENSIC TESTING

Expiry Date: 31 August 2025 Certificate Number: FT-0359

Utah Location
4885 South 900 East, Suite 300
Salt Lake City, Utah 84117 USA

Discipline: Biology		
Component/Parameter	Item	Key Equipment/Technology
DNA Profile Determination	Short Tandem Repeat (STR) Single-Nucleotide Polymorphism (SNP) Y-Short Tandem Repeat (Y-STR)	Capillary Electrophoresis Massively Parallel Sequencing
Physical Comparison	DNA Profile	Software Program
Qualitative Determination	Body Fluid	Chemical Immunoassay

California Location
100 Enterprise Way, Suite A102
Scotts Valley, California 95066 USA

Discipline: Biology		
Component/Parameter	Item	Key Equipment/Technology
DNA Profile Determination	Single-Nucleotide Polymorphism (SNP)	Not Applicable

Qualifications of Employees at DNA Labs International – *Our people make us great!*



DNA Labs International requires the highest level of quality and expertise from all its employees. Scientists processing casework are well-rounded and have experience analyzing every type of evidence conceivable. Our scientists are innovative and passionate about helping you attain the best results possible.

Included here is a list of laboratory personnel that will be working with the MSDPS/MSFL. All laboratory personnel are required to have a bachelor's (or its equivalent) or an advanced degree in biology, chemistry, or forensic science-related areas with a preference for individuals that also have the required credentials to qualify as a DNA Analyst.

In order to provide the highest quality of service, all laboratory staff undergo a rigorous training program which includes but is not limited to readings, lectures, demonstrations by qualified personnel, supervised casework, practical competency examination, and written and/or oral competency exams. Additionally, all personnel participate in biannual proficiency testing programs in accordance with the FBI QAS Standards for Forensic Testing.

Breakdown of Personnel

We currently have 115 staff members employed at DNA Labs International, with the majority working out of our HQ in Deerfield Beach. We also have staff at our satellite office in Salt Lake City, UT and remote administrative and analyst staff throughout the county. Our current personnel are broken down by position below:

Sr. DNA Analysts with an average of 15 years of experience: 19

DNA Analysts with an average of 12 years of experience: 14

Laboratory Technicians: 28

Evidence Department: 7

Administrative Staff: 41

Tina Gryszowka, Genealogy Client Experience Specialist – 2 Years OF Experience at DLI, 14 years as a DNA Analyst



To ensure that clients’ needs are met daily, DNA Labs International has a dedicated Client Experience Specialist, Tina Gryszowka, who specializes in all things’ genealogy. With 14 years of prior experience as a DNA Analyst, Tina possesses the unique ability to understand cases from both the scientific and law enforcement perspectives. She uses her skills to see to it that cases are progressing, research meetings are being scheduled and that the clients are collaborating with our team to solve cases.

Name	Degree	Job Description	Capabilities	Experience
Sally Reese	ADN	Lead Genealogist	Genealogy Investigation	25 years
Allison Martin	B.S.	Genealogist	Genealogy Investigation	10 years
Shera Lapoint	HSD	Genealogist	Genealogy Investigation	8 years
Alison Wilde		Genealogist	Genealogy Investigation	13 years
Pam Stigsen		Genealogist	Genealogy Investigation	17 years
Linda Yip	B.S.	Genealogist	Genealogy Investigation	6 years
Derek Cutler	B.S.	NGS/WGS Team Lead DLI Utah Satellite Office	NGS Reporting Analyst NGS Lab Processing Technician	13 years
Cristina Servidio	M.S.	Technical Leader/Mentorship Manager/Senior DNA Analyst	NGS Reporting Analyst*	13 years
Rachel H. Oefelein	M.Sc.	Lab Director/ Oversees laboratory testing/ technical aspects for genealogy casework.	NGS Reporting Analyst*	13 years
Marybeth Sciarretta	M.S.	Senior DNA Analyst/ Quality Assurance Manager & Oversees laboratory testing/ technical aspects for genealogy casework.	NGS Reporting Analyst*	14 years
Sarah Miller, F-ABC	M.S.	Senior DNA Analyst	NGS Reporting Analyst*	21 years (Former TL at CBI)
Teresa Cheromcha	M.S.	Senior DNA Analyst	NGS Reporting Analyst*	19 years (Former ATL at CBI)
Tania Jean-Louis	M.S.	Lab Coordinator/ Serologist/ Lab Technician	NGS Lab Processing Technician**	5 years
Andre Kartick	B.S.	Serologist/ Lab Technician/ Validations	NGS Lab Processing Technician**	4 years
Jodie Perkins		Serologist/ Lab Technician DLI Utah Satellite Office	NGS Lab Processing Technician**	

Genealogy Team

NGS Reporting Analyst*: Analyze and interpret Next Generation sequencing (NGS) data, including statistical analysis and operation of all software. Additionally, reporting associated phenotyping and biogeographical ancestry data.

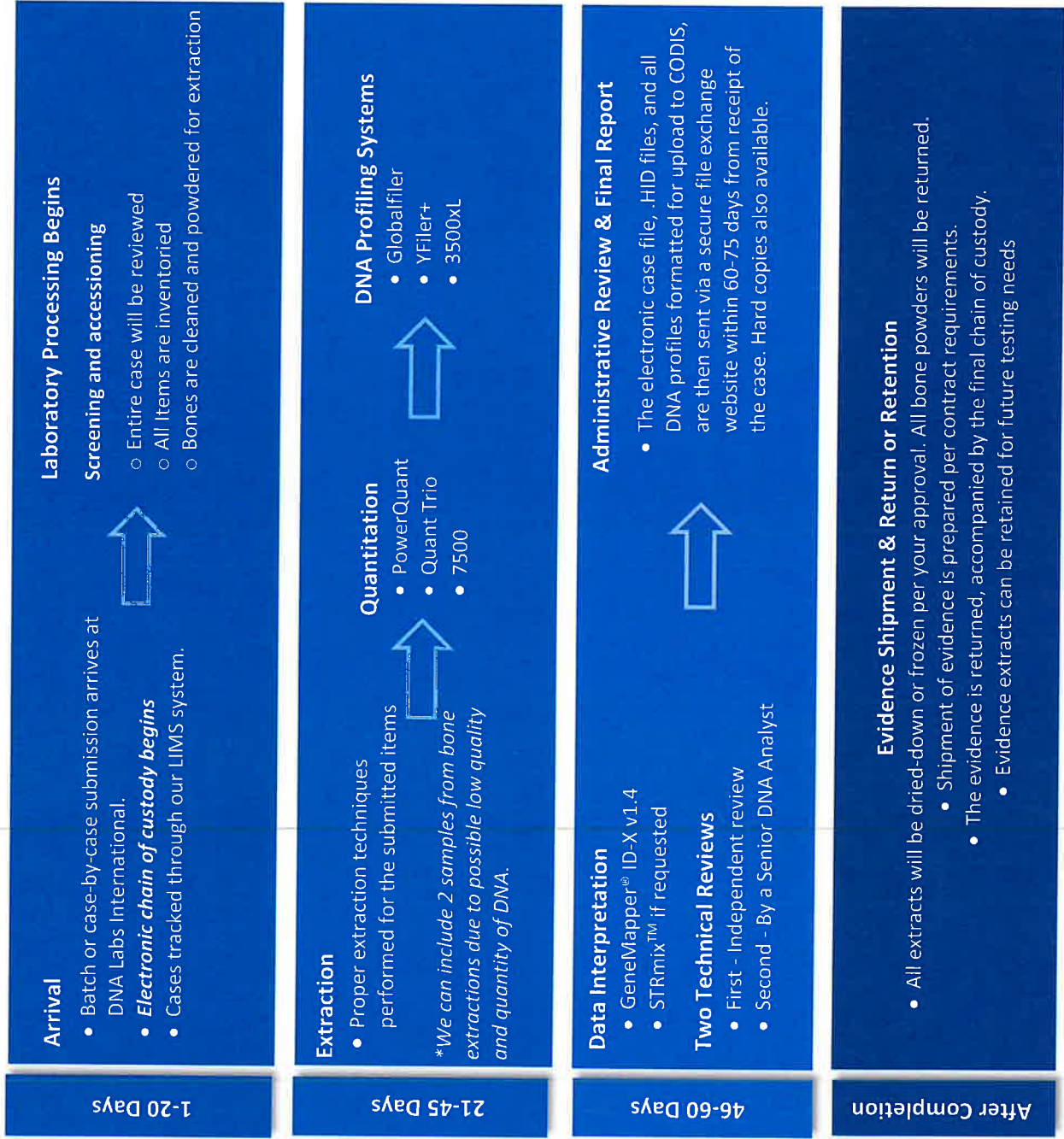
NGS Lab Processing**: Performs all laboratory processing work for Next Generation Sequencing (NGS) kits. This includes manual processing as well as robotic processing on the versa 1100 instrument and operation of all required software.

Project Kick-Off

Prior to the submission of a case or a batch of cases, we like to get together on a Zoom or conference call. This is where we go over everything that the MSDPS/MSFL would like to see performed pertaining to their casework. We aim to please, and this helps make processing your casework go as smoothly as possible. After the meeting, Technical Leader, Cristina, will send you a client specification sheet that outlines all laboratory procedures and chemistries utilized for your laboratory. Cristina will send along the approved testing plan for any cases discussed.

Method of Approach for Forensic DNA Testing

- Typical cases can be completed in 60-75 days.
- Rush testing can be completed in 1, 2, or 3-weeks as requested.



General Treatment of Work

We are familiar with all your protocols and will follow your technical testing requirements. We are always available to discuss any changes that may come up and can adapt to accommodate them. Below is a summary of our general treatment of work. For detailed information, please review our full SOPs and we will be happy to provide any clarification needed.

All of your requirements can be met and discussed in detail at any time. Additionally, if your needs change, we will adapt to accommodate any necessary changes, i.e., as a result of an increase in testing needs or changes in funding and legal requirements.

Arrival & Login

DNA Labs International will coordinate a date that works with the MSDPS/MSFL for all case submissions. We are very flexible and will work with any requirements proposed by you.

Maintaining the Chain of Custody, an employee will sign for the evidence as it arrives from an overnight carrier such as FedEx or UPS. All packages will be carefully examined for any signs of damage, tampering, or worn seals. If there is any damage or tampering suspected, the MSDPS/MSFL will be notified immediately. Any discrepancies in packages will be documented and immediately sealed upon arrival. All boxes and evidence will be maintained in a secured temperature-controlled evidence vault on the premises. DNA Labs International is also a secure facility with both a lock and a key fob entry.

The package will then be opened, and the contents reviewed. It will be electronically signed into our secure evidence vault, per laboratory protocol, beginning the internal chain of custody.

Utilizing Helix our proprietary Laboratory Information Management (LIMS) software, the evidence is reviewed for accuracy and logged in by our Evidence Administrator(s). An email is issued to the MSDPS/MSFL, confirming receipt of each item within each case submitted. At the login stage, each item of evidence, as well as the samples created from that evidence, are given a unique lab identifier number and barcode to track the item throughout the entire process from start to finish. This is a requirement at DNA Labs International.

DNA Labs International SOP Manual - Chain of Custody

QA Manual SECTION #5.8 - Item Handling

"5.8.2 *It is imperative that the security, continuity, and return of all evidentiary material be maintained. All evidence submitted into the laboratory must be documented by a proper chain of custody and all criminal case materials returned properly.*

The chain of custody is secure and contains detailed transfer information and is easily accessible to all relevant employees. All evidence submitted for testing adheres to the following guidelines:

A unique laboratory file number and item numbers are assigned to each case submission.

Submitted evidence is marked and sealed as necessary to maintain the chain of custody and prevent contamination.

Explosive materials and narcotics are not accepted without authorization from the Technical Leader.

Firearms are unloaded before they are accepted.

All evidence receipts and returns between the laboratory and submitting agency will be documented in writing and reflected in the Laboratory Information Management System (LIMS); however, the written record constitutes the official chain of custody record.

The LIMS will serve as an electronic internal chain of custody to track the evidence once it has been logged in. Corrections to LIMS chain of custody records may be requested by the Quality Assurance Manager (or their designee) through the LIMS online support system by submitting a support call. A record of the request and its completion is transmitted to the Quality Assurance Manager. A copy showing the resolution will be retained in the communications folder for the associated case.

5.8.3 When the evidence is received in the laboratory, the "Evidence Receipt" section of the appropriate Case Submission Form will accurately list the items for the package containing the evidence. The items listed by the submitting agency on the appropriate Case Submission Form will be inventoried and checked against the items actually received when the evidence is logged into the LIMS. If a discrepancy arises between the items listed by the submitting agency on the Case Submission Form and what is received by the laboratory, the Case Submission Form will be updated and/or the client will be notified by the individual logging in the evidence or another appropriate designee.

In lieu of using the "Evidence Receipt" section of the appropriate Case Submission Form, the evidence/property receipt/chain of custody form from the submitting agency may be used; however, the original or a copy of the original must be placed into the case file."

Quality Measures

Witnesses are utilized at each step of the DNA testing process as an additional quality control measure to confirm the correct sample set up prior to processing.

Serological Screening

Our forensic serologist(s)/DNA analyst(s) will inventory the contents of the evidence submitted. Selecting the most probative sample(s). The serologist(s)/DNA analyst(s) then prepare evidence samples for extraction. The case description, items submitted, and client requests are considered in determining what kind of serological testing will be conducted and which samples will be forwarded for extraction.

Each case is unique, with various circumstances and challenges, and each case will be treated that way. When our experienced serologists and analysts review the evidence, it will be carefully considered, and all testing will pertain to the case description included.

The above-mentioned methods will be used if approved by the Mississippi Department of Public Safety. They can also be changed to incorporate any requirements.

Extraction

DNA Labs International has been successfully using six non-differential extraction procedures in casework; organic non-differential, known non-differential, hair non-differential, small-scale demineralization for skeletonized remains, large-scale demineralization for skeletonized remains, and automated PrepFiler extraction on the Tecan Freedom EVO 150.

Twenty years later we continue to grow and innovate new ways to process criminal evidence. We have expanded our suite of extraction options to include rapid DNA analysis with the RapidHit ID. This additional option allows for 90-minute processing of skeletonized remains, buccal swabs, bloodstain cards, and human tissue. Regardless of your needs, we have an extraction ready for your sample. The combination of our

instrumentation, staff, and our brand new 25,000-square-foot facility means we can handle your contract with ease, producing high-quality results in the required time for all your cases.

Proprietary Bone Protocol

Three distinct bone extraction methods are utilized at DNA Labs International. The extraction method is selected based on the quality of the skeletal remains and the downstream testing needs.

We can include 2 samples from bone extractions due to possible low quality and quantity.

Small Scale Bone Extraction: Utilized for cavity-free teeth. The sample is cleaned, and then the dentin is finely powdered. The powder is forwarded for demineralization, followed by organic extraction. The sample is then ready for quantitation and downstream processing, which can include autosomal STR generation, Y-STR typing, mitochondrial DNA testing, and/or FIGG testing.

Large Scale Bone Extraction: Utilized for skeletal remains. The sample is cleaned and then finely powdered. The powder is forwarded for demineralization, followed by organic extraction in a larger format, allowing the analyst to use a larger sample size. The sample is then ready for quantitation and downstream processing, which can include autosomal STR generation, Y-STR typing, mitochondrial DNA testing, and/or FIGG testing. This process is ideal for generating higher yields of DNA, often required when multiple downstream steps need to be performed, such as both STR testing and FIGG testing.

Rapid Bone Extraction: Ideal for remains less than a year since the time of death that have not been exposed to extreme heat or chemical treatment. Typically used for Disaster Victim Identification (DVI) incidents, cases of dismemberment, and missing persons cases. The bone or tooth is cleaned then ground, loaded in the sample cartridge, and then a GlobalFiler™ Express autosomal STR profile is generated in 90 minutes using the Applied Biosystems™ RapidHIT™ ID System.

Quantitation

Real-time quantitation is performed by a DNA Analyst or a qualified Lab Technician using chemistry run on the Applied Biosystems Real-Time 7500 instrument. After this process, our analyst will know how much human DNA is present, if any of that is male DNA, and if there is any substance in the extract capable of inhibiting the PCR reaction.

For the Mississippi Department of Public Safety/Mississippi Forensic Laboratory – PowerQuant or Quant Trio

Both the Tecan Freedom Evo 150 Robot and the Versa 1100 are capable of performing the setup for quantitation. They make the master mix and standards and then pipette the master mix, standards, and samples into a 96-well plate. DNA Labs International utilizes both Quantifiler Trio and PowerQuant Quantification Kits, and 80 samples can be set up for quant in each run. A manual quantitation setup may also be performed by the DNA Analyst or qualified Lab Technician/Analyst-in-Training if necessary.

- *In specific scenarios, such as when a sample shows inhibition at this stage, the repetition of the phenol/chloroform extraction may be necessary.*
- *Repeating the extraction process is an additional step we perform, at our own expense, to increase the chances of obtaining comparable profiles.*

Concentration

- After quantification, the DNA analyst will review the data and decide if the extracts could benefit from concentration. We use Microcon filters to concentrate samples to achieve the best possible DNA results.
- In many cases, we have gone back to extracts, concentrated them, and were able to obtain comparable or CODIS-eligible profiles that we would not have seen without concentrating the sample.

Amplification

Our DNA analysts have validated and will utilize any commercial kit on the market with STRmix™.

For the Mississippi Department of Public Safety/Mississippi Forensic Laboratory 24-locus Multiplex STR Kit with STRmix:

- GlobalFiler
- Y-STR Kit:**
- YFiler +

The Tecan Freedom Evo 150 Robot or the Versa 1100 will make the master mix, dilutes the samples appropriately if needed, and then pipettes the master mix and samples into a 96-well plate. The robot can set up 88 samples for amplification in each run. A manual amplification setup may also be performed by the DNA Analyst or qualified Lab Technician if necessary. The sample is then amplified or copied utilizing the ABI ProFlex thermal cycler.

Capillary Electrophoresis

Utilizing capillary electrophoresis, the amplified DNA is analyzed on the 3500xl instrument. The instrument has 24 capillaries, and up to two 96-well plates may be set up at a time. The data is captured using the 3500 series Data Collection Software and recorded in GeneMapper® ID-X v1.4, which produces the electropherograms our analysts use to make their interpretations. An internal lane standard is run with each sample and is also used in evaluating whether the sample needs to be re-injected or re-setup.

Data Analysis and Interpretation Procedures Manual Section #1 - v1.7

"GeneMapperID (GMID) and/or GeneMapperID-X (GMIDX) software v1.4 or v1.5 are used to apply the analysis method and size standard to raw data generated by the 3500xl genetic analyzer, thus allowing for automatic conversion of the allele sizes (in base pairs) into allele designations. GeneMapper software also generates electropherograms and builds tables containing genotype information. Genotypes are assigned by

comparing the sizes obtained from the unknown sample files with the sizes obtained for the alleles in the allelic ladder(s). The use of this software corrects for spectral overlap between the dyes within each sample, and differences in the baseline, and defines the ranges of interest within the data."

Reporting Casework

DNA Labs International will analyze data for all samples using its validated stutter, analytical and stochastic thresholds. Positive controls, negative controls, and reagent blanks will be evaluated for expected results. In the case that controls do not meet the quality control standard, protocols are in place to reanalyze the sample if necessary. Any quality issues will be documented within the case file with either a Case Record Memorandum or a Corrective/Preventative Action as outlined in the Quality Assurance Manual. DNA profiles from questioned samples will be evaluated to determine if it is consistent with originating from a single source or if it is potentially a mixture of DNA. Whenever possible, mixed DNA profiles will be resolved (i.e., major/minor contributors, deduced profiles from intimate or indigenous samples) using protocol guidelines. Based on protocol guidelines and the training and experience of the DNA analyst, profiles will be evaluated for its suitability for comparison purposes.



DNA profiles can also be evaluated for suitability for upload to the Combined DNA Index System (CODIS) based on the Guidelines of Acceptance of DNA Data into CODIS. Suitable DNA profiles will be submitted to the MSDPS/MSFL in .HID and .SER format. If reference standards are submitted for comparison, the analyst makes comparisons to the question samples (evidence). The analyst performs statistical calculations to determine the significance of an individual being included in a DNA profile. All results and conclusions are written and signed in a court-admissible case report. All electronic data files (.HID files) produced during this process are collected and can be provided to the MSDPS/MSFL for re-analysis.

STRmix™ Analysis – You can go back and retest cold or unsolved cases! If your case has inconclusive results or DNA mixtures, STRmix™ can help.

Parentage & Kinship testing is utilized when required.

Two Technical Reviews

1st Technical Review - A second DNA analyst independently performs a technical review of the entire case file and report to corroborate the results, ensure all standards and protocols have been followed, and double-check the accuracy of all work performed. All .HID files are reviewed and confirmed to be present.

2nd Technical Review - by a Senior DNA Analyst - In addition to the 1st technical review, case files at DNA Labs International also undergo a second technical review that is conducted by a Senior DNA Analyst. Components of this second technical review include but are not limited to confirmation of statistical calculations, assessment of complex mixtures, and a review of all item numbers, descriptions, and names. ***This increases the quality here at DNA Labs International, which is our main priority.***

Administrative Review

A third and final administrative review is performed upon completion of the technical review to check for and correct any administrative errors, such as spelling, grammar, and formatting. This completes the case. The entire case file is electronic, including, but not limited to: the chain of custody, extraction, quantitation, amplification, and capillary electrophoresis worksheets, PDF files of electropherograms, technical and administrative review forms, and the report(s): the case file, all .HID files and all DNA profiles formatted for upload to CODIS are then sent electronically to the MSDPS/MSFL via a secure file exchange website SharePoint within 75 Days from receipt of the case. Authorized users (determined by the client) are set up with access to a secure Microsoft SharePoint site where case files are uploaded. Notification is sent to the authorized contact when new cases are uploaded to the site. All cases on the SharePoint site are available to download and review at any time by designated/authorized users. We can also upload it to a secure site provided by the Department of Public Safety.

STRmix - We have processed over 20,000 samples with STRmix	
STRmix is a breakthrough in forensics. We are the fifth lab in the country and the first private lab to validate and implement STRmix in 2015. We have already testified numerous times in court with STRmix, and we have had many Daubert/Frye hearings in which STRmix was found to be admissible in court. When it comes to STRmix, experience matters.	
We have validated up to a 5-person mixture (GlobalFiler & Fusion 6C).	
STRmix has increased results significantly since implementation across all case types including sexual assault cases.	We have validated up to a 4-person mixture (24plex & Fusion 5C).
STRmix Analysis – You can go back and retest cold or unsolved cases! If your case has inconclusive results or DNA mixtures, STRmix can help.	Parentage & kinship testing is utilized when required.

Evidence Return

DNA extracts and their associated reagent blank controls can either be returned frozen or dried down via vacufuge for your convenience. Dried-down extracts do not require frozen storage, making for space-effective, low-cost storage of extracts.

The evidence and associated DNA extracts are logged out of the secure vault, and the evidence including extracts is prepared per the MSDPS/MSFL’s requirements. It is then returned to complete the chain of custody. An email notification will be sent out that the samples are being shipped overnight, which will include the tracking number.

FIGG — Forensic Investigative Genetic Genealogy

Our in-house genealogy team works closely with you to help find the person(s) of interest by building out a family tree utilizing public DNA databases when a case does not yield a CODIS hit or a match to a known suspect's DNA profile. Forensic genealogy can assist your case and provide you with new leads. Our expert Genealogists and DNA Analysts have extensive experience working with evidence and cases for forensic genealogy.

General Treatment of Work — Genealogy Case Workflow

We are familiar with all of your testing needs and will follow all of your technical testing requirements. Below is our general treatment of work, and please see the SOPs for more detailed information. Please contact us for any clarifications needed. We have found in-person Zoom interviews very helpful and are happy to meet prior to the award if the MSDPS/MSFL would like to.

All of your requirements can be met and discussed in detail at any time. Additionally, if your needs change, we will adapt to accommodate any necessary changes, i.e., as a result of an increase in testing needs or changes in funding and legal requirements.

SNP Testing & Genealogy

Team Approach to Solving Crime with Forensic Investigative Genetic Genealogy (FIGG)

DNA Labs International blends its vast forensic experience with the expertise of genealogists, DNA analysts, case managers, and law enforcement working together to uncover new leads to solve more crime. In 2015, we began working cases for other genealogists and brought FIGG online at DLI in early 2019. We are the lab behind many successful cases that were solved with Genealogy as this new field emerged.

We review each case with the agency to evaluate the potential items for testing. Our DNA analysts provide their forensic expertise to maintain the evidence for possible further testing as well as obtaining results suitable for SNP testing. DLI's Lead Genealogist works closely with law enforcement to research each case to the best of his ability.



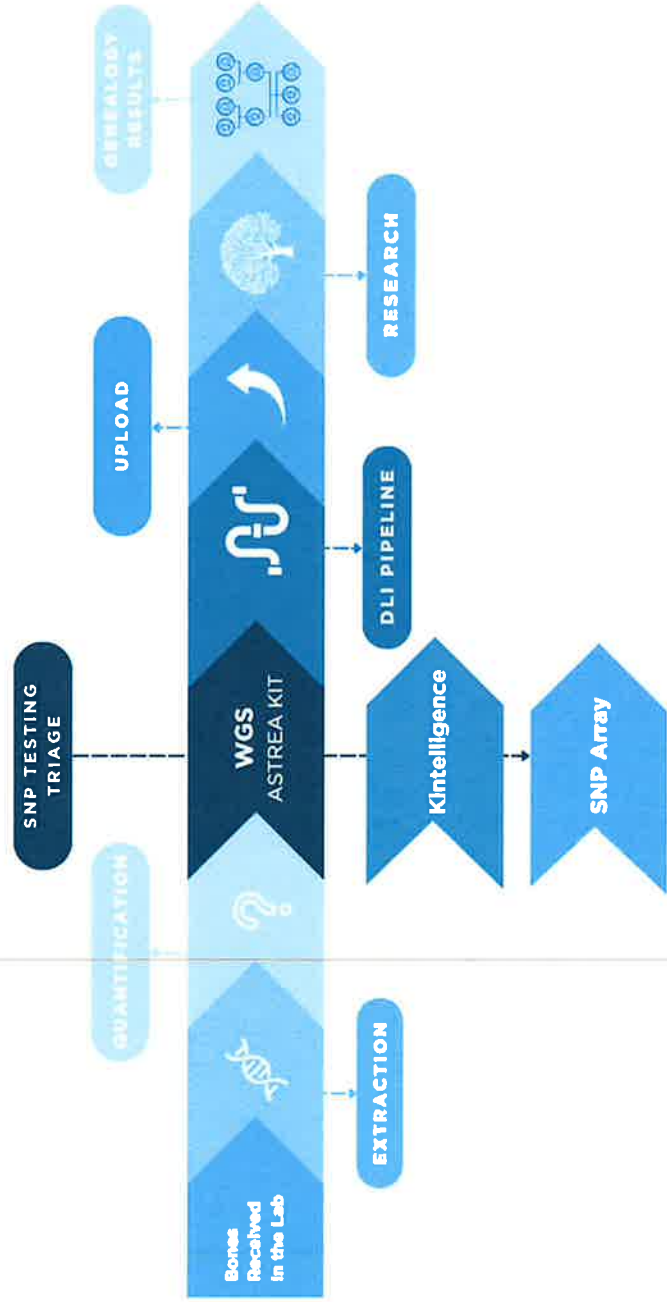
With this dynamic, more crimes will be solved. It is not one person that solves a crime but a highly specialized team of scientists, genealogists, and case managers working hand in hand with law enforcement. Frequently, the older the case, the higher the degree of difficulty, and the more people it takes to solve that case. These cases take time and dedication from everyone involved. By working together, DNA Labs International solves current and cold case violent crimes like homicides and sexual assaults and identifies the many unidentified human remains throughout the country. DNA Labs International knows that time is precious and often, so is the remaining amount of evidence in cold cases that have already been through multiple rounds of testing. The lab's team of experts will ensure the utmost care is taken to preserve evidence and produce high-quality results that can stand the rigors of the court system. We review each match and will provide the agency with our opinion on the likelihood of

obtaining a result. We will be honest when we do not think there is a good chance of achieving a result. We will explain to the agency that they may want to wait on some cases, knowing that technology continues to improve, and the databases continue to grow. The ultimate goal is to obtain profiles suitable for phenotyping, biogeographical ancestry, and genealogy for investigative leads.

Priorities When Working Genealogy Cases

- ✓ Ensuring a profile is already in CODIS. ✓ Helping identify the sample that would provide the most DNA.
- ✓ Developing profiles from the evidence so the agency can make DNA comparisons for confirmation of identification (per the Interim DOJ guidelines). ✓ Evaluate previously developed DNA extracts to assess if a new extraction is recommended. Reviewing quant results, the DI, the total extract volume, mixture proportions, and the total nanograms obtained.
- ✓ Explaining the importance of retaining evidence, when necessary, for more sensitive technology in forensic. ✓ We work directly with Detectives to explain the process and assist with filling out any required paperwork.

Genealogy Workflow



Bacterial Quantitation System

Femto, is in addition to PowerQuant or Trio, we also perform a bacterial quantitation at this stage to help choose the best path forward.

DLI Pipeline: After the SNP profile is developed, we implement our proprietary DLI pipeline that implements advanced bioinformatics to allow us to upload the profile into the applicable databases. All testing and our exclusive DLI pipeline allow you to achieve the maximum results possible. We continue to develop and improve this technology and have achieved results that others have not previously without it.

WGS Astrea Kit, Kintelligence Kit, SNP Array

We have 3 options for SNP testing, and you have a choice to achieve the best possible results for upload. We provide recommendations based off of the degradation index and bacterial contamination. It is a collaborative decision which kit to move forward with given the results and our experience with different sample types. Prior to library preparation a range of quality checks may be employed including evaluating the degradation index (DI) and bacterial quantitation.

DNA extracts will be forwarded for library preparation utilizing the Astrea kit or Kintelligence.

- **WGS SNP** – Astrea Kit, the most sensitive WGS kit available.
 - *We are achieving results from WGS that previously failed under other testing kits.*
- **SNP** – Kintelligence on the MiSeq – human specific and best for very degraded samples with high bacterial contamination.
- **SNP Array** – for high quality samples.

Whole Genome Sequencing (WGS) – SNP Testing

WGS (Whole Genome Sequencing) is used to generate SNPs (Single Nucleotide Polymorphisms) that create a FIGG DNA profile with massive investigative power to generate leads with the most distant results.

- Over 500,000 SNPs with the Astrea Kit
- On the NovaSeq 6000 by Illumina
- Results out to 6th cousins and beyond!



Kintelligence – SNP Testing

- **No Degradation Limit** - We have successfully provided investigative leads from samples with degradation indexes in excess of 1000.
- Human Specific - Only needs 10,230 SNPs on the MiSeq
- Results out to 6th Cousins
- Free Uploads to both databases.



SNP – Array

- For high-quality DNA Samples
 - Bodily Fluids
- Target/Reference Testing
- More Affordable
- On the Illumina iScan
- Results out to 6th cousins and beyond!

Additional Steps

Shearing (WGS only)

The Astrea kit requires fragmented DNA. When DNA extracts are expected to contain high molecular weight DNA, we use an ultrasonicator to shear the sample. Once the shearing cycle is completed, we retrieve the sheared sample from the tube transfer into a fresh tube labeled “Sheared”. Then they are ready to prepare and amplify into DNA libraries.

Enrichment & Library Preparation

Here, libraries are quantified and normalized to ensure they have similar concentrations. We use a fluorometric quantification, such as a Qubit or QuantiFluor.

- *Shallow sequencing on a MiSeq FGx may be employed as an additional quality control check to determine if enrichment may be needed.*

Tapestation (WGS only)

The Tapestation is used to assess the quality and quantity of the forensic samples following library preparation.

Library Pooling

This is the process of mixing multiple libraries together for sequencing.

Sequencing

Finally, sequencing is conducted:

- NovaSeq 6000 for WGS
- MiSeq FGx with Kintelligence
- iScan for SNP array

Analyzing SNP Casework

Once sequencing is completed, the data is analyzed by a qualified DNA analyst through our DLI pipeline. This includes the analysis of the samples as well as the controls, which ensure that the processing is working properly. The end product is a data file that can be uploaded to GEDmatch PRO and/or Family Tree DNA databases.

- [Mixture mitigation for WGS & Kintelligence if required.](#)
 - Includes the processing of a known standard.
- [Bioinformatics](#)

We will review, impute the data, and prep the files for upload to databases. It can also be used for the re-evaluation of previously developed WGS data not eligible for upload.

Once the data file has been uploaded to a database, the case is handed off to a genetic genealogist. A separate report is authored by a genealogist, which will include any significant genetic associations as well as further investigative suggestions based on these associations.

Technical Review

Once the case is ready to be reported, the entire case file goes through two rounds of technical review. The first technical review involves a thorough evaluation of the entire case file. The reviewer will analyze all of the samples, controls, worksheets, and paperwork to ensure the accuracy of the results and conclusions. The second technical review involves a smaller subset of checks for common mistakes that are not caught during the original technical review process.

Administrative Review

Once the technical review process is completed, an administrative review will be performed. This review involves a review of the report and case file for clerical errors as well as the chain of custody.

Genealogy Upload



Database Upload - GEDmatch Pro & Family Tree

The SNP profile, is uploaded to GEDmatch PRO and Family Tree databases for searching and subsequent genealogy research. These databases are designed to support police and forensic teams with investigative comparisons. This means faster and higher quality results with smaller and/or degraded inputs of DNA.

Step 1 - The first upload is the GedMatch Pro.

Step 2 - If there are no advantageous matches, we will upload to Family Tree as required.

If approved, we can upload to both simultaneously.

Genealogy Research

If the report indicates further research would benefit your case, our Genealogist will research and begin building the family tree(s). This includes an unlimited amount of research time.

Genealogy Results & Report

1. A final virtual call will be conducted to go through the full report with our genealogy team and your agency.
 - a. You will receive the entire genealogy case file, including the match list and the associated family trees.
2. If a potential person(s) of interest is identified because of the genealogy report and your investigation, a buccal swab or secondary standard can be collected from the person of interest for direct comparison to the existing DNA profile to issue statistics and generate a court-admissible report.
3. If no persons of interest are identified initially, your profile will continue to be searched against newly uploaded profiles in the database monthly to determine if new leads may be generated.

You will continue to be notified of new matches and leads that are identified for as long as an agency would like.

Evidence Return

DNA extracts and their associated reagent blank controls can either be returned frozen or dried down via vacufuge for your convenience. Dried-down extracts do not require frozen storage making for space effective low-cost storage of extracts.

The evidence and associated DNA extracts are logged out of the secure vault, and the evidence including extracts is prepared per the MSDPS/MSFL's requirements. It is then returned to complete the chain of custody. An email notification will be sent out that the samples are being shipped overnight, which will include the tracking number.

ROBOTICS	QUANTIFICATION	NGS, SNP, WGS
• (2) Freedom Evo® - Tecan • (3) Qiagen QIAcube • (6) Qiagen EZ1 Advanced XL • (3) Aurora Versa 1100 • (2) Maxwell RSC 48 • (1) Hamilton NIMBUS Presto	• PowerQuant • Quant Trio	• Astrea WGS • Kintelligence • SNA Array • mtDNA Whole Genome • Mainstay • Signature Prep
INSTRUMENTS	STR	
• (8) ProFlex Thermal Cyclers • (3) 7500 Real-Time PCR System • (1) Quant Studio • (4) 3500XL Genetic Analyzers • (1) 3500XL Flex • (1) HID SeqStudio Flex Genetic Analyzer • (2) Rapid HIT • (1) NovaSeq 6000 for WGS • (3) MiSeq FGx® - NGS/SNP • (1) Illumina iScan - SNP Array	• Fusion 5C • Fusion 6C • GlobalFiler • Investigator 24-plex	
	Y-STR	SOFTWARE
	• PPY23 • YFiler Plus	• GeneMapper® ID-X • STRmix™ for all STR kits ◦ 5 person mixtures • Helix - Custom LIMS • DBLR - Kinship

All forensic laboratory testing is in accordance with the FBI QAS and ANAB ISO/IEC 17025:2017 accreditation.

Whole Genome Sequencing Results on the NovaSeq by Illumina





Experience, Qualifications & References

1. Oklahoma City Police Department

Contact: Chris Miller – Inspector

Email Address: chris.miller@okc.gov

Phone: (405) 316-4960

Services Provided: Genealogy and Unidentified Human Remains Testing

Case Example: Homicide - In 1976, 68-year old Lela Johnston was tragically murdered in her home. After decades of investigation, DNA Labs International was brought on to assist with OKCPD's first case solved using forensic genetic genealogy. The killer was found via genealogical research done by DNA Labs International. The lead inspector, Chris Miller spoke of our assistance, "None of the break throughs in this case would have been possible without the technology and "know how" of your lab and all involved."

[Lela Johnston Article](#)

2. Virginia Department of State Police, Bureau of Criminal Investigation – Criminal Intelligence Division/Virginia Fusion Center

Contact: Thomas J. Kohlbeck – Lead Analyst

Email Address: Thomas.kohlbeck@vsp.virginia.gov

Office Phone: (804) 674-2261, **Cell Phone:** (804) 212-5060

Services Provided: Jane Doe - Homicide A woman's body was found in a pit in a remote area. There was significant animal activity and extensive decomposition that compromised the remains. The body was cremated before the woman was identified. A paraffin tissue block was all that was available for testing. The degradation index was over 1000, we were able to target 2ng and had a call rate of 95.65%. Trees were built for a few expanded matches and genealogy research is in progress.

3. City of Tulsa – 1921 Tulsa Identification Project

Contact: Dr. Phoebe R. Stubblefield, Ph.D. – Forensic Anthropologist

Email Address: phoebes@ufl.edu

Phone Number: (352) 273-8270

Services Provided: Unidentified Human Remains Testing - Our DLI Satellite office in Utah is assisting the City of Tulsa in identifying victims of the 1921 Tulsa Race Massacre victims who were buried in unmarked graves. As part of an important effort to identify victims, the City exhumed a number of bodies in the summer of 2021. DLI Utah has been comparing DNA profiles from the Oaklawn cemetery remains to members of the public who have previously taken consumer DNA tests and uploaded them to the publicly available genealogy DNA databases GEDmatch and/or FTDNA. Of the 35 exhumed burials, 8 have produced genetic genealogy profiles.

4. New York City Office of the Chief Medical Examiner

Contact: Angela Soler, Ph.D., D-ABRA – Assistant Director of Forensic Anthropology

Email Address: asoler@ocme.nyc.gov

Phone Number: (212) 447-2763

Services Provided: DLI performs forensic genome sequencing on postmortem samples from Unidentified Human Remains for the Forensic Biology Laboratory.

Additional References

1. Pennsylvania State Police 2019 - Present Brian Noll , State Trooper Phone: (570) 220-8475 Email: bnoll@pa.gov Address: 250 Dessen Drive West Hazleton, PA 18201	4. United States Army Criminal Investigation Laboratory: 2023 - Present (via DLI Utah Satellite Office) Lindsey Smith M.S.F.S. , Forensic Biologist Phone: (404) 469-4780 Email: lindsey.g.smith4.civ@army.mil Address: Russel-Knox Building 27130 Telegraph Rd Quantico, VA 22134
2. Grays Harbor County Sheriff's Office 2020 - Present Darrin E. Wallace , Chief Civil Investigations Deputy Office: (360) 964-1742 Cell: (360) 580-4178 Email: dwallace@graysharbor.us Address: 100 W Broadway Ave #3 Montesano, WA 98563	5. Calaveras County Sheriff's Office Crime Lab 2022-Present (via DLI Utah Satellite Office) Timothy Sturm , Operations Bureau Captain Phone: (209) 754-6500 Email: tsturm@calaverascounty.gov Address: 1045 Jeff Tuttle Drive San Andreas, CA 95249
3. Alachua County Sheriff's Office 2019 – Present (Genealogy) Kevin Allen , Investigator Phone: (352) 384-3323 Email: kallen@alachuasheriff.org Address: 2621 SE Hawthorne Rd Gainesville, FL 32641	

Case Examples – *A Few Notable Genealogy Cases from Across the US*

We have 23 publicly verifiable cases. We do not require law enforcement agencies to publicly share their cases, as many of these are ongoing investigations. Numerous agencies collaborate with us while working on current cases, and we cannot disclose any information related to their investigations. Many UHR cases connect to homicides, unsolved homicides and other crimes. Their case information is confidential until it is adjudicated. We leave the public announcements to the agency's discretion.

We are committed to innovating new techniques, and many more solutions will emerge. We have already revisited cases where others failed to achieve results with our WGS technology. If WGS fails, there are also other options like Kintelligence on the MiSeq (developed by Illumina), for severely degraded or bacterially contaminated samples like bones. This is an exciting time with so many options to now help identify human remains!

- 1. Sarasota County Sheriff's Office, Jane Doe -Unidentified Human Remains** The deceased skeletal remains extract were deemed not suitable for Whole Genome Sequencing or SNP microarray testing due to low quantity of DNA and high levels of degradation. Targeted SNP Testing (Kintelligence) was conducted. A potential person of interest was developed through genealogical research and subsequently STR kinship analysis was utilized to confirm the identification of the deceased. All testing and research was conducted by DNA Labs International.
[Article Link](#)
- 2. Oregon State Police Medical Examiner, John Doe: Kenneth Heasley - Unidentified Human remains A** mandible was found on a beach. DNA Labs International was able to develop an extract for targeted SNP Testing (Kintelligence), where SNP Array and WGS could not. The profile was uploaded to GEDmatch Pro™ and trees were built. After 4 hours of research, a potential individual was identified. STR testing confirmed to a living family member. The remains were that of Kenneth W. Heasley, whose boat had capsized 20 years prior, and his body was never located.
[Article Link](#)
- 3. Everett Police Department, Sexual Assault/Homicide.** The defendant was charged with the murder of his girlfriend. Genealogical research was conducted by DNA Labs International on a profile developed from a submitted extract from a saliva sample found near the victim. The uploaded profile was developed from SNP microarray testing. The defendant had been previously excluded as a suspect based on an alibi. As a result of the genealogical research, the alibi was checked again and found to be false.
- 4. Santa Clara County District Attorney's Office - Homicide. A cold case was sent to DNA Labs International** due to low levels of DNA and consumed evidence. The remaining extract (approximately 200 picograms) was used for Targeted SNP testing (Kintelligence). A potential person of interest was developed through genealogical research. This investigation is ongoing. DNA Labs International performed the SNP testing and genealogical research.
- 5. Grays Harbor County Sheriff's Office, Defendant: Paul Bieker – Kidnapping/Sexual Assault** Paul Bieker was convicted of kidnapping and rape in the first degree of a 17-year-old girl in 2003. He was sentenced to 30 years in prison. Whole genome sequencing was conducted on an extract from the sexual assault kit. Genealogical research conducted at DNA Labs International yielded a potential person of interest who was later confirmed by law enforcement to be the defendant, Paul Bieker.

6. **Pennsylvania State Police, Defendant: Luis Sierra – Double Homicide. Luis Sierra** was charged with criminal homicide. He allegedly dismembered his girlfriend, Evelyn Colon, and his unborn baby and placed them into three suitcases on a riverbank in the Pacano Mountains in December of 1976. DNA Labs International conducted demineralization followed by organic extraction of teeth and a femur for this case. The extract was submitted for whole genome sequencing. DNA Labs International conducted genealogical research, provided an investigative lead to law enforcement, performed sibship comparisons to living relatives of the victims, and conducted subsequent paternity analysis of the defendant to the fetus. The trial is pending in this case. [Article Link](#)
7. **Orange County Sheriff's Office, John Doe - Homicide. A more than 20-year-old case of a severely decomposed body with two gunshot wounds** to the head was submitted to our lab. The previously developed STR and mtDNA profiles were in CODIS with no hits. The femur bone was tested, results were uploaded into GEDmatch ProTM, and a possible person of interest was identified. The investigating law enforcement agency reached out to the person of interest, turned out that they already had a kit. However, they were not opted in. When they opted in, they were a 1st-degree match, and the remains were identified with paternity DNA testing. The homicide investigation is still underway.

Other Genealogy Cases in The News

- 8.27.24 St. Louis John Doe

[Article Link](#)
- 7.19.24 Lawrence Edward Knoblauch/Rockafellow

[Article Link](#)
- 7.12.24 CL Daniel – Tulsa Race Massacre Victim

[Article Link](#)
- 5.30.24 Mark Austin Dunne

[Article Link](#)
- 5.9.24 Gerald Francis Long

[Article Link](#)
- 4.16.24 U.S. Marine Corps Captain Everett Leland Yager

[Article Link](#)
- 1.18.24 Kandice Smith, Sheri Rottler Trick, and Kathie Rottler

[Article Link](#)
- 9.18.23 Debbie Lynn Randall

[Article Link](#)
- 5.21.23 Gail Webster

[Article Link](#)
- 3.8.23 Stefan Scott Smith

[Article Link](#)
- 3.8.23 Mary Louicile Willfong

[Article Link](#)



End of Proposal for Mississippi Department of Public Safety & Mississippi Forensic Laboratory

We look forward to this potential opportunity, and please reach out to us if you need clarification at all. We can follow any requirements we may have not mentioned or that you would like us to change or add at any time.

DNA Labs International
Genealogy Work from 2023-March of 2025

Row Labels	2023	2024	2025 (Jan - Mar)	Grand Total
Office of the Chief Medical Examiner (VA)		\$40,785.00	\$7,450.00	\$48,235.00
Virginia State Police Bureau of Criminal Invs.	\$34,433.00	\$5,295.00	\$695.00	\$40,423.00
New Jersey State Police	\$6,140.00	\$27,920.00		\$34,060.00
Cold West Detective Agency (Shot in the Dark Forensics)	\$19,605.00			\$19,605.00
Virginia Office of the Attorney General	\$3,980.00	\$8,449.00	\$2,195.00	\$14,624.00
Collier County Sheriff (FL)	\$12,140.00			\$12,140.00
Louisville Police Dept (KY)		\$11,690.00		\$11,690.00
Indianapolis Metro Police Dept. (IN)	\$8,195.00	\$3,200.00		\$11,395.00
Oklahoma City Police Dept. (OK)	\$6,190.00	\$4,200.00		\$10,390.00
Baltimore County Police Dept. (MD)	\$9,675.75	\$344.00		\$10,019.75
Sumter County Sheriff's (FL)	\$9,573.00			\$9,573.00
Port Orchard Police Dept. (WA)	\$5,852.00	\$3,500.00		\$9,352.00
Manatee County Sheriff (FL)			\$9,145.00	\$9,145.00
Clark County Office of the Coroner/Medical Examiner (NV)		\$8,945.00		\$8,945.00
Cobb County District Attorney (GA)	\$8,640.00			\$8,640.00
Blink Flims UK		\$7,900.00		\$7,900.00
Royal Canadian Mounted Police (NB)		\$2,995.00	\$3,950.00	\$6,945.00
New York City Police Dept (NY)		\$6,300.00		\$6,300.00
Indian River Sheriff's Office (FL)	\$6,215.00			\$6,215.00
Oregon State Police Medical Examiner (OR)	\$1,400.00		\$4,800.00	\$6,200.00
Phoenix Police Dept (AZ)		\$5,990.00		\$5,990.00
Office of the Attorney General (TX)	\$1,990.00		\$3,950.00	\$5,940.00
Broward County Sheriff's Office (FL)		\$5,745.00		\$5,745.00
Johnson County Criminalistics Laboratory (KS)		\$5,140.00		\$5,140.00
Union County Prosecutor's Office Forensic Lab (NJ)	\$4,650.00			\$4,650.00
Attorneys - Prosecutors State & Federal:San Diego District Attorney's Office (CA)	\$4,145.00			\$4,145.00
Calaveras County Sheriff's Office (CA)	\$3,950.00			\$3,950.00
Oklahoma State Bureau of Investigation (OK)	\$3,950.00			\$3,950.00
Topeka Police Department		\$3,950.00		\$3,950.00
Jacksonville Sheriff's Office (FL)	\$3,600.00			\$3,600.00
Butte County Sheriff's Office (CA)		\$2,995.00		\$2,995.00
Clay County Sheriff's Office (FL)		\$2,995.00		\$2,995.00
Santa Clara County Crime Lab (CA)				
State Atty-5th Circuit - Ocala/Lakeland (FL)	\$2,995.00			\$2,995.00
Identifinders International, LLC				
Garland Police Dept. (TX)	\$1,990.00	\$2,400.00		\$2,400.00
Illinois State Police (IL)				
Colorado Bureau of Investigation - Denver Lab (CO)		\$1,690.00		\$1,690.00
Hampden County Atty's Office (MA)	\$700.00	\$700.00		\$1,400.00
Conroe Police Department (TX)	\$350.00	\$1,050.00		\$1,400.00
Southern Illinois University Edwardsville (IL)	\$700.00			\$700.00
Maricopa County (AZ)	\$0.00	\$0.00		\$700.00
Calcasieu Parish Sheriff's Office (LA)	\$695.00	\$0.00		\$695.00
Florida Highway Patrol	\$519.00	\$419.00		\$938.00
Totals	\$165,967.75	\$164,597.00	\$32,185.00	\$362,749.75
Grand Total				\$362,749.75

DNA Labs International Owned Equipment List

ID Number	Name
61fb33a6c1	Versa (#3)
61fb33a6c1	QIAcube (#2)
61fb33a6c1	7500 Real-Time PCR System (#3)
61fb33a6c1	Eppendorf Repeater Stream (S/N H30223E)
61fb33a6c1	Thermomixer
61fb33a6c1	Thermomixer
61fb33a6c1	Pipette: P-10 (S/N K37082F)
61fb33a6c1	Stereoscope
61fb33a6c1	ProFlex PCR System 96 Well Block (#13)
61fb33a6c1	Pipette: P-2.5 (S/N N26335D)
61fb33a6c1	Pipette: P-10 (S/N K37153F)
61fb33a6c1	Mini-Centrifuge
61fb33a6c1	Pipette: P-2.5 (S/N N28032I)
61fb33a6c1	Pipette: P-20 (S/N P51340K)
61fb33a6c1	Pipette: E3 Repeater (SN: N34097G)
61fb33a6c1	Centrifuge
61fb33a6c1	Pipette: P-10 (S/N R31413D)
61fb33a6c1	Pipette: P-20 (SN: G34362H)
61fb33a6c1	Pipette: P-1000 (SN: K36805G)
61fb33a6c1	Thermomixer F2.0
61fb33a6c1	Pipette: P-100 (S/N R70548N)
61fb33a6c1	Eppendorf Repeater M4 (S/N P34264I)
61fb33a6c1	Pipette: P-1000 (SN: G46832H)
61fb33a6c1	Pipette: P-100 (SN: L48890G)
61fb33a6c1	Pipette: P-10 (SN: N25372G)
61fb33a6c1	Autoclave (#1) - Bioclave Benchtop Sterilizer
61fb33a6c1	Pipette: P-200 (SN: N31087G)
61fb33a6c1	Pipette: P-20 (S/N L21760K)
61fb33a6c1	ProFlex PCR System Base (#13)
61fb33a6c1	Autoclave (#2) - Bioclave Benchtop Sterilizer
61fb33a6c1	Impulse Heat Sealer
61fb33a6c1	Centrifuge
61fb33a6c1	Pipette: P-20 (SN: P45907G)
61fb33a6c1	Evidence Vault Fridge & Freezer #4
61fb33a6c1	Pipette: P-2.5 (L39691E)
61fb33a6c1	Pipette: P-200 (S/N P66076N)
61fb33a6c1	Tecan Freedom Evo 150 (#1)
61fb33a6c1	Eppendorf Multi-Channel 5 - 100uL (S/N 2016771)
61fb33a6c1	Pipette: P-10 (S/N H23561I)
61fb33a6c1	Pipette: P-2.5 (SN: P12864G)
61fb33a6c1	Centrifuge 5804
61fb33a6c1	PCR Hood 6 (Pre-Amp 2)

61fb33a6c: Evidence Vault Fridge & Freezer #1

61fb33a6c: Centrifuge

61fb33a6c: Platefuge Microplate Microcentrifuge

61fb33a6c: Post-Amp Refrigerator (#2) & Post-Amp Freezer (#4)

61fb33a6c: Pipette: P-2 (S/N W70345C)

61fb33a6c: Heat Block

61fb33a6c: Thermomixer C

61fb33a6c: Pipette: P-20 (SN: N31173H)

61fb33a6c: ProFlex PCR System Base (#9)

61fb33a6c: 3500XL Genetic Analyzer (#1)

61fb33a6c: Post-Amp Refrigerator (#1) & Post-Amp Freezer (#3)

61fb33a6c: MiSeq FGx

61fb33a6c: Heat Block

61fb33a6c: Heat Block

61fb33a6c: Mini Vortex

61fb33a6c: Vortex

61fb33a6c: Hot Plate/Stirrer

61fb33a6c: ProFlex PCR System 3x32 well Block (#9)

61fb33a6c: Pipette: P-100 (S/N L26392A)

61fb33a6c: ProFlex PCR System Base (#11)

61fb33a6c: Pipette: P-2 (S/N EK89276)

61fb33a6c: Vortex

61fb33a6c: Thermomixer C Plate Block

61fb33a6c: PCR Hood 1 (PCR Set-Up)

61fb33a6c: Pipette: P-100 (SN: G24061G)

61fb33a6c: DynaMag-2

61fb33a6c: Vortex

61fb33a6c: Pipette: P-1000 (SN: M34950G)

61fb33a6c: Pipette: Easypet (S/N G10296F)

61fb33a6c: Vortex

61fb33a6c: Microplate Centrifuge

61fb33a6c: Pre-Amp Freezer (#1)

61fb33a6c: Plate Centrifuge

61fb33a6c: Pipette: P-1000 (SN: L37118G)

61fb33a6c: Eppendorf Repeater E3 (S/N Q31241H)

61fb33a6c: Pipette: P-1000 (S/N I24882I)

61fb33a6c: Pipette: P-2.5 (SN: L35710G)

61fb33a6c: Versa (#1)

61fb33a6c: Vent Hood 2

61fb33a6c: PCR Hood 2 (PCR Set-Up)

61fb33a6c: Compound Microscope

61fb33a6c: Mini-Centrifuge

61fb33a6c: Centrifuge

61fb33a6c: Research Plus Multichannel (S/N P62700J)

61fb33a6c| Analytical Balance
61fb33a6c| Pipette: P-10 (S/N AJ50353)
61fb33a6c| Pre-Amp Refrigerator (#2)
61fb33a6c| Platefuge Microplate Adapter
61fb33a6c| Pipette: P-100 (SN: K37241G)
61fb33a6c| Vortex
61fb33a6c| Pipette: P-2.5 (SN: G33759H)
61fb33a6c| Pipette: P-200 (S/N Q50685B)
61fb33a6c| Tecan Freedom Evo 150 (#2)
61fb33a6c| Pipette: P-2.5 (SN: G33646H)
61fb33a6c| Thermomixer C ThermoTop
61fb33a6c| Mini-Centrifuge
61fb33a6c| Vortex
61fb33a6c| Pipette: P-2 (S/N R65739K)
61fb33a6c| EZ1 Advanced XL (#1)
61fb33a6c| Pipette: P-10 (S/N U57888D)
61fb33a6c| Maxwell RSC 48 System #1
61fb33a6c| Pipette: P-100 (S/N EC56112)
61fb33a6c| Analytical Balance
61fb33a6c| Pipette: P-100 (S/N S56243G)
61fb33a6c| ProFlex PCR System 96 Well Block (#14)
61fb33a6c| EZ1 Advanced XL (#2)
61fb33a6c| Pipette: P-1000 (S/N R24957D)
61fb33a6c| Pipette: P-1000 (SN: H54877G)
61fb33a6c| Pipette: P-1000 (SN: L37180G)
61fb33a6c| Vortex
61fb33a6c| Pipette: P-1000 (SN: L36603G)
61fb33a6c| Pipette: P-1000 (S/N K11269A)
61fb33a6c| Fisher Vortex Genie 2
61fb33a6c| Pipette: P-100 (S/N K32004F)
61fb33a6c| Pipette: P-20 (S/N U52222N)
61fb33a6c| Vortex
61fb33a6c| Incubator
61fb33a6c| Pipette: P-1000 (S/N J48839I)
61fb33a6c| Eppendorf Research plus Multichannel (S/N N48584I)
61fb33a6c| Pipette: P-100 (SN: L40804G)
61fb33a6c| Pipette: P-10 (SN: G13117G)
61fb33a6c| Pipette: P-10 (SN: L47861G)
61fb33a6c| Crosslinker
61fb33a6c| PCR Hood 3 (PCR Set-Up)
61fb33a6c| Eppendorf Research Plus Multichannel (S/N N13807F)
61fb33a6c| Centrifuge 5804
61fb33a6c| Incubator
61fb33a6c| Pipette: P-20 (S/N I33650E)

61fb33a6c: Pipette: P-2 (S/N R64950L)

61fb33a6c: Alpha Technics 4690 Thermometer

61fb33a6c: Vortex

61fb33a6c: Centrifuge

61fb33a6c: Pipette: P-200 (S/N I34280E)

61fb33a6c: Pipette: P-200 (SN: K34281G)

61fb33a6c: Eppendorf Repeater E3 (S/N M40956H)

61fb33a6c: Pipette: P-1000 (S/N L0502025G)

61fb33a6c: Pipette: P-100 (S/N K31998F)

61fb33a6c: Centrifuge

61fb33a6c: 3500xL Genetic Analyzer (#2)

61fb33a6c: Vortex

61fb33a6c: QIAcube (#1)

61fb33a6c: Thermomixer C 1.5mL Block

61fb33a6c: 7500 Real-Time PCR System (#2)

61fb33a6c: Vortex

61fb33a6c: Pipette: P-200 (SN: M16043G)

61fb33a6c: Quantus Fluorometer

61fb33a6c: Mini-Centrifuge

61fb33a6c: RapidHIT ID System

61fb33a6c: Stereoscope

61fb33a6c: Pipette: P-100 (SN: K44499G)

61fb33a6c: Mini-Centrifuge

61fb33a6c: Evidence Vault Freezer #2

61fb33a6c: Pre-Amp Freezer (#2)

61fb33a6c: Evidence Refrigerator

61fb33a6c: Centrifuge

61fb33a6c: Incubator Shaker

61fb33a6c: Mini-Centrifuge

61fb33a6c: Evidence Vault Freezer #3

61fb33a6c: ProFlex PCR System 96 Well Block (#11)

61fb33a6c: Ultralite ALS

61fb33a6c: Pre-Amp Freezer (#7)

61fb33a6c: Digital Drybath

61fb33a6c: Pipette: P-200 (S/N EM89514)

61fb33a6c: Pipette: P-2.5 (SN: L40196G)

61fb33a6c: Thermomixer F2.0

61fb33a6c: Thermomixer

61fb33a6c: Pipette: P-1000 (SN: G18870J)

61fb33a6c: Pipette: P-10 (S/N EJ50376)

61fb33a6c: Pipette: P-1000 (S/N K40599F)

61fb33a6c: Post-Amp Freezer (#1)

61fb33a6c: Pipette: P-10 (S/N GE28893)

61fb33a6c: Vortex

61fb33a6c|Pipette: P-1000 (SN:L37130G)
61fb33a6c|Platefuge Deep Well Plates Adapter
61fb33a6c|Pipette: P-100 (S/N Y60199B)
61fb33a6c|Eppendorf Vacufuge Plus Concentrator 5305 #1
61fb33a6c|Pipette: Multichannel (SN: H28517H)
61fb33a6c|pH meter
61fb33a6c|Pipette: P-10 (SN:K38692G)
61fb33a6c|Eppendorf Vacufuge Plus Concentrator 5305 #2
61fb33a6c|Vent Hood 1
61fb33a6c|Mini-Centrifuge
61fb33a6c|Thermomixer
61fb33a6c|Pipette: P-200 (SN: L31348G)
61fb33a6c|ProFlex PCR System 96 well Block (#10)
61fb33a6c|Analytical Balance
61fb33a6c|Air Admiral Vacuum/Pressure Station
61fb33a6c|7500 Real-Time PCR System (#1)
61fb33a6c|Pipette: P-20 (SN: I55026G)
61fb33a6c|Eppendorf Research plus Multichannel (S/N O38444I)
61fb33a6c|Pipette: P-100 (S/N R23705D)
61fb33a6c|Thermomixer
61fb33a6c|Pipette: Easypet (S/N K14551F)
61fb33a6c|Mini-Centrifuge
61fb33a6c|Bone Hood (High)
61fb33a6c|ProFlex PCR System 96 well Block (#9)
61fb33a6c|Mini-Centrifuge
61fb33a6c|Pipette: P-100 (S/N S69664L)
61fb33a6c|Pipette: P-1000 (SN: M27436G)
61fb33a6c|Hot Plate/Stirrer
61fb33a6c|Pipette: P-2 (S/N M17273N)
61fb33a6c|Pipette: E3 Repeater (SN: N34176G)
61fb33a6c|Pipette: P-100 (SN: M41722H)
61fb33a6c|Pipette: P-300 (S/N M25646J)
61fb33a6c|Pipette: P-100 (S/N H37882I)
61fb33a6c|Heat Block (Plate)
61fb33a6c|Pipette: P-200 (S/N S53666G)
61fb33a6c|Pipette: P-1000 (S/N J48877I)
61fb33a6c|Pipette: P-200 (SN: M15869G)
61fb33a6c|ProFlex PCR System Base (#14)
61fb33a6c|ProFlex PCR System Base (#10)
61fb33a6c|Pipette: P-10 (S/N P63434K)
61fb33a6c|Pipette: P-200 (SN: Q33651G)
6227742ba EZ1 Advanced XL (#3)
62c5cc7fd|Mini-Centrifuge
632484f2d|Maxwell RSC 48 System #2

6335cb98d Pipette: P-1000 (S/N H57063L)
63629e98d Vortex
638664cdd Pipette: P-1000 (SN: Q44325K)
6388e24dd Centrifuge 5804
63c68ef6d Eppendorf Repeater E3 (S/N K72895K)
63c6b6cfd Pre-Amp Freezer (#8)
63cebd1dd Mini Centrifuge
63cebd1ed Mini Centrifuge
63cebd1ed Mini Centrifuge
63cebe4ad Vortex
63d01f05d 3500xL Genetic Analyzer (#3)
63e12088d Pipette: P-200 (S/N M62003L)
63e121b4d Eppendorf Repeater E3: (K50803L)
63e122e0d Pipette: P-20 (S/N O91467L)
63e122e0d Pipette: P-2.5 (S/N M83279L)
63e1240dd Pipette: P-10 (S/N N38912L)
63e1240dd Pipette: P-1000 (S/N: M32130L)
63e1240dd Pipette: P-100 (S/N N19557L)
63e1253bd Pipette: Multichannel (SN: J39339L)
6425c3a0d Hamilton NIMBUS
6425c97bd Pre-Amp 2 Refrigerator (#1) & Freezer (#1)
6425c97bd Post-Amp 2 Refrigerator (#1) & Freezer (#1)
6435b545c ProFlex PCR System Base (#15)
6435b670c ProFlex PCR System 3x32 well Block (#15A-15C)
6435b670c ProFlex PCR System 96 Well Block (#15)
6435b79ed Pre-Amp 2 Freezer (#2)
6435b8c8d Post-Amp 2 Freezer (#2)
643ecef4d Vortex
643ed020d Mini-Centrifuge
643ed020d Mini-Centrifuge
644827edd Thermomixer (Pre-Amp 2)
644827edd Thermomixer (Pre-Amp 2)
644827edd Thermomixer (Pre-Amp 2)
64482918c Centrifuge 5425 (Pre-amp 2)
64482918c Thermomixer (Pre-Amp 2)
64482a47d Centrifuge 5425 (Pre-amp 2)
64482a47d Eppendorf Repeater E3 (S/N O82818L)
64482a47d Centrifuge 5425
644c0178d Pipette: P-10 (S/N P67001L)
644c0178d Pipette: P-100 (S/N N65390L)
644c0178d Pipette: P- 20 (S/N O91332L)
644c02a3d Pipette: P-200 (S/N O14243L)
644c02a3d Pipette: P-1000 (S/N O19895L)
644c03d0c Pipette: P-2.5 (S/N N81408L)

647f47a3d Mini-Centrifuge
649047fdd 7500 Real-Time PCR System (#4)
64998983c Pre-Amp Freezer (#9)
649b3542c Bone Hood 3 (Low)
64b00df8d Pre-Amp Freezer (#10)
65157688c Vault Freezer #5
6515c50bd Vault Freezer #6
651da95bd Centrifuge 5804
651dace0d 24 Flex Genetic Analyzer SeqStudio
65242bc1d Thermoshaker (Deep Well Plate)
65242bc1d Thermoshaker (Deep Well Plate)
6526fed1d epMotion 5073
658b3329c Vortex
658c85d5d Centrifuge
65bb88fcd Vault Freezer (#7)
66041159c M-Vac
660a8a61d Pipette: Multichannel Xplorer Plus (SN:P57960K)
66829cb0f Centrifuge
66b11c97e Thermoshaker (Deep Well Plate)
66b11dc0e Ultralite ALS
66d1ccfde1 UT_Pipette: P1000 (S/N OH55973)
66d1ccfde1 UT_Pipette: P300 (S/N 191015669)
66d1ccfde1 UT_Pipette: P100 (S/N OH55977)
66d1ccfde1 UT_Pipette: P100 (S/N OH55976)
66d1ccfde1 UT_Pipette: P10 (S/N OC1123022)
66d1ce23e UT_Pipette: P10 (S/N NK1051754)
66d1ce23e UT_Pipette: P10 (S/N P01091105014)
66d1ce23e UT_Pipette: P10 (S/N NE99349)
66d1ce23e UT_Pipette: P100 (S/N OH55982)
66d1ce23e UT_Pipette: P100 (S/N P10090919001)
66d1cf4de1 UT_Pipette: P1000 (S/N OH57342)
66d1cf4ee1 UT_Pipette: P1000 (S/N OH55968)
66d1cf4ee1 UT_Pipette: P1000 (S/N P1M90706041)
66d1cf4ee1 UT_Pipette: P100 (S/N P10090919002)
66d1cf4ee1 UT_Pipette: P1000 (S/N 843860025)
66d1d07ce UT_Pipette: P200 (S/N DA72708)
66d1d07ce UT_Pipette: P20 (S/N NM71906)
66d1d07ce UT_Pipette: P1000 (S/N NL71782)
66d1d07de UT_Pipette: P10 (S/N P01091105017)
66d1d07de UT_Pipette: P200 (S/N 80015994)
66d74307e UT_NovaSeq
66d74692e M-Vac (#2)
66e30213e UT_TissueLyser II (Bone Crusher)
66e30337e UT_Thermal Mixer (#2)

66e30337e UT_Thermal Mixer (#1)
66e30466e UT_3500xl Genetic Analyzer (#1)
66e30466e UT_ABI Quant Studio 5 (#1)
66e30466e UT_EZ1 XL (#1)
66e30466e UT_ProFlex PCR System Base (#1)
66e30590e UT_MiSeq FGx (#1)
66e30590e UT_TapeStation 4150
66e30590e UT_Centrifuge (#2)
66e30590e UT_Sonicator
66e30590e UT_Centrifuge (#1)
66e306b6e UT_NIST Thermometer (#2)
66e306b6e UT_NIST Thermometer (#1)
66e306b6e UT_Heat Block (#1)
66e307e3e UT_Pipette: P2 (S/N NA73097)
66e3090fe UT_Pipette: P10 (S/N TA71736)
66e3090fe UT_Pipette: F2 (S/N PU31047)
66e3090fe UT_Pipette: E3 Repeater (S/N P80547K)
66f54826e Post-Amp Freezer (#5)
66fc1a48d UT_TempStick ID Fridge
66fc1a49d UT_TempStick Prep Freezer
66fc1a49d UT_TempStick Lab Fridge
66fc1a49d UT_TempStick ID Freezer
66fc1a49d UT_TempStick Lab Freezer
66fc1a49d UT_TempStick Prep Fridge
66fc1b7ad TempStick Evidence Freezer
66fc1cb5d TempStick Evidence Fridge
670ec1a4d Eppendorf Vacufuge Plus
673251ec8 Air Admiral Air Vacuum/Pressure Pump
6746247bt PCR Hood 7 (PCR Set-Up)
675af779a Thermomixer F1.5
677ff160d UT_Analytical Balance
678002bdc UT_8-Channel Pipette 0.5-10uL (#1)
678003ee0 UT_8-Channel Pipette 0.5-10uL (#2)
679d1fd5fe UT_Thermometer Pre-AMP Fridge
679d2404f UT_Thermometer Pre-AMP Freezer
67aa65bdf UT_8-Channel Pipette 20-200
67b5eed35 Pipette: Multichannel Xplorer (SN: L27967I)
67b5ef7ce UT_Pipette: Multichannel Xplorer (SN: O53909I)
67b5efe45i Pipette: Multichannel Xplorer (SN: M47998I)
67c607daf Pipette: P-2.5 (S/N K82934L)
67c60829d Pipette: P-100 (S/N H24448N)
67c60892d Pipette: P- 20 (S/N R91123L)
67cb0d5e4 UT_ProFlex PCR System 3x32 well Block (#1)
67cb0dd27 UT_ProFlex PCR System 96 well Block (#1)

67d865238 UT_Thermometer Extraction Freezer
67d866558 UT_Thermometer Extraction Fridge
67d867338 UT_Thermometer Post-Amp Freezer
67d867f27 UT_Thermometer Post-Amp Fridge
67d8695b8 UT_Thermometer Prep 1 Fridge
67d8699b7 UT_Thermometer Prep 1 Freezer
67e55ff277 UT_Thermometer Vault Freezer
67e560997 UT_Thermometer Vault Fridge
67ebedbbf Centrifuge 00
67f01e0ff4 UT_Benchmark TC

COI

Client#: 1927973

49BODECEL

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/23/2024

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 have ADDITIONAL INSURED provisions or 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 any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER		CONTACT	
McGriff, a MMA LLC Company		Tina L. Squires	
8180 Greensboro Drive, Suite 400		PHONE (A/C No.): 703 352-2222	
McLean, VA 22102		FAX (A/C No): 866-925-7123	
703 352-2222		E-MAIL: Certificate@McGriff.com	
INSURED		INSURER(S) AFFORDING COVERAGE	
Bode Cellmark Forensics, Inc.		INSURER A : Atlantic Specialty Insurance Company	
10430 Furnace Road, #107		INSURER B :	
Lorton, VA 22079-2626		INSURER C :	
		INSURER D :	
		INSURER E :	
		INSURER F :	
		NAIC # 27154	

COVERAGES				CERTIFICATE NUMBER:		REVISION NUMBER:	
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 UTR	TYPE OF INSURANCE		ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY	☐ CLAIMS-MADE ☒ OCCUR		7110169860005	01/01/2025	01/01/2026	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$15,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$0
	GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PROJ ☐ LOC OTHER:						
A	☐ AUTOMOBILE LIABILITY	ANY AUTO OWNED AUTOS ONLY ☒ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ NON-OWNED AUTOS ONLY		7110169860005	01/01/2025	01/01/2026	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	☒ UMBRELLA LIAB	☒ OCCUR ☐ CLAIMS-MADE		7110169860005	01/01/2025	01/01/2026	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000
	☐ EXCESS LIAB						\$
	DED	☒	RETENTION \$0				\$
A	☐ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	Y/N ☒ N		4060465220005	01/01/2025	01/01/2026	OTH- PER STATUTE E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						
A	☐ Professional Liab & Prod/Comp Op's			7500002120005	01/01/2025	01/01/2026	E.L. DISEASE - POLICY LIMIT \$10,000,000 Maximum Policy Aggregate (See Descrip of Op's)

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Insurer A - Policy No. 7500002120005 01/01/25-26 Products & Completed Operations Liability Limit \$10,000,000 Each/\$10,000,000 Aggregate, \$25,000 Retention.
Insurer A - Policy No. 7500002120005 01/01/25-26 Professional Liability \$10,000,000 Each/\$10,000,000 Aggregate, \$25,000 Retention. Umbrella Liability follows form over General Liability (Policy #7110169860005), Auto Liability and Workers Compensation Coverages.
(See Attached Descriptions)

CERTIFICATE HOLDER	CANCELLATION
Mississippi Forensics Laboratory 215 Allen Stuart Drive Jackson, MS 39208	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 <i>Tina L. Squires</i>

ACORD 25 (2016/03) 1 of 2
#S36053237/M36050466

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SSMA

DESCRIPTIONS (Continued from Page 1)

Umbrella Liability follows form over General Liability (Policy #7110169860005), Auto Liability and Workers Compensation Coverages.

Mississippi Department of Public Safety is included as an additional insured with respect to General Liability Coverage where required by written contract.



Michael Watson
SECRETARY OF STATE

This is not an official certificate of good standing.

Name History	
Name	Name Type
Bode Cellmark Forensics, Inc.	Legal
Business Information	
Business Type:	Profit Corporation
Business ID:	1474078
Status:	Good Standing
Effective Date:	01/28/2025
State of Incorporation:	Mississippi
Principal Office Address:	NO PRINCIPAL OFFICE ADDRESS FOUND
Registered Agent	
Name	
CORPORATION SERVICE COMPANY	
109 Executive Drive, Suite 3	
Madison, MS 39110	
Officers & Directors	
Name	Title
Renee Walker	Incorporator
10430 Furnace Road, Suite 107	
Lorton, VA 22079	
Michael Cariola	Chief Executive Officer
10430 Furnace Road, Suite 107	
Lorton, VA 22079	

Unexecuted Contract

CONTRACT FOR PROFESSIONAL SERVICES

AGREEMENT BETWEEN THE
MISSISSIPPI DEPARTMENT OF PUBLIC SAFETY/MISSISSIPPI FORENSICS
LABORATORY AND BODE CELLMARK FORENSICS, Inc.,

This Contract for Professional Services is made by and between the Mississippi Department of Public Safety (“DPS”), a state agency, whose address is 1900 E Woodrow Wilson Ave, Jackson, MS 39216, on behalf of the Mississippi Forensics Laboratory, and Bode Cellmark Forensics, Inc., whose address is 10430 Furnace Road, Suite 107, Lorton, VA 22079, (“Contractor”), under the following terms and conditions:

- SCOPE OF SERVICES** Contractor agrees to perform and complete, in a timely and satisfactory manner, DNA testing for the Mississippi Crime Lab, as established in the Invitation for Bids (IFB) No. 3160007282 issued by the Mississippi Department of Public Safety and described in Exhibit “A,” captioned “Scope of Services,” and Exhibit “B,” captioned “Bid Response,” which are attached hereto and made a part hereof by reference.
- CONSIDERATION** DPS agrees to pay Contractor the rates set forth below for a total compensation not to exceed Four Hundred Fifty Thousand Dollars (**\$450,000.00**) for services to be performed pursuant to this Agreement.

Price Per Specialty Bundle	
Extraction, quant, amp, CE, data +YFP	\$2,296.00
Extraction, quant, amp, CE, data +YFP	\$9,676.00
Extraction, quant, amp, CE, data +YFP	\$10,448.00
Extraction, quant, amp, CE, data +YFP	\$1,524.00
Grand Total (for all 4 Specialty Bundles)	
\$23,944.00	

Requirements Contract. During the period of the contract, Contractor shall provide all services described in the contract. Contractor understands and agrees that this is a requirements contract and that DPS shall have no obligation to Contractor if no services are required. Any quantities that are included in the scope of work reflect the current expectations of DPS for the period of the contract. The amount is only an estimate and Contractor understands and agrees that DPS is under no obligation to Contractor to utilize any amount of the services as a result of having provided this estimate or of having any typical or measurable requirement in the past. Contractor further understands and agrees that DPS may require services in an amount less than or in excess of the estimated annual contract amount and that the quantity actually used, whether in excess of the estimate or less than the estimate, shall not give rise to any claim for compensation other than the total of the unit prices in the contract for the quantity actually used.

- CONTRACT TERM** The initial contract period must begin on **June 11, 2025** and continue through **June 10, 2026**, as a one-year multi-term contract period with an option

of 4 yearly renewals provided the term of the contract and conditions of renewal or extension, if any, are included in the solicitation and funds are available for the first fiscal period at the time of contracting. Payment and performance obligations for succeeding fiscal periods must be subject to the availability and appropriation of funds.

4. **PAYMENT TERMS** Contractor must submit weekly invoice(s) to DPS for services rendered. Payment will be made by DPS to Contractor within 45 days of the receipt of approved invoice. Contractor must submit to DPS invoices in such form and including such reasonable detail as may be required, along with supporting documentation of the activities performed pursuant to this contract.
5. **E-PAYMENT** Contractor agrees to accept all payments in United States currency via the State of Mississippi's electronic payment and remittance vehicle. The Agency agrees to make payment in accordance with Mississippi "Timely Payments for Purchases by Public Bodies" laws, which generally provide for payment of undisputed amounts by the Agency within 45 calendar days of receipt of invoice. Mississippi Code Annotated § 31-7-301, *et seq.*
6. **PAYMODE** Payments by DPS using the state's accounting system shall be made and remittance information provided electronically as directed by the State and deposited into the bank account of Contractor's choice. The State, may, at its sole discretion, require Contractor to electronically submit invoices and supporting documentation ~~electronically~~ at any time during the term of this Agreement. Contractor understands and agrees that the State is exempt from the payment of Mississippi taxes. All payments must be in United States currency.
7. **AVAILABILITY OF FUNDS** It is expressly understood and agreed that the obligation of DPS to proceed under this Agreement is conditioned upon the appropriation of funds by the Mississippi State Legislature and the receipt of the appropriated funds. If the funds anticipated for the continuing time fulfillment of the agreement are, at any time, not forthcoming or insufficient, regardless of the source of funding, DPS shall have the right upon 10 business days written notice to Contractor, to terminate this agreement without damage, penalty, cost or expenses to DPS of any kind whatsoever. The effective date of termination must be as specified in the notice of termination.
8. **PROCUREMENT REGULATIONS** This contract shall be governed by the applicable provisions of the *Public Procurement Review Board Office of Personal Service Contract Rules and Regulations*, a copy of which is available on the Mississippi Department of Finance and Administration's website (www.dfa.ms.gov). Any bidder responding to a solicitation for personal and professional services and any contractor doing business with a state Agency is deemed to be on notice of all requirements therein.
9. **APPROVAL CLAUSE** It is understood that if this contract requires approval by the Public Procurement Review Board ("PPRB") and/or the Department of Finance and Administration Office of Personal Service Contract Review ("OPSCR"), and this contract is not approved by the PPRB and/or OPSCR, it is void; and no payment shall be made

hereunder.

10. **CONTRACTOR'S REPRESENTATION REGARDING CONTINGENT FEES** By executing the contract the contractor represents that it has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract. If the contractor cannot make such a representation, a full and complete explanation shall be submitted in writing to the Agency prior to contract execution.
11. **REPRESENTATION REGARDING GRATUITIES** Contractor represents that it has not, is not, and will not offer, give, or agree to give any employee or former employee of DPS a gratuity or offer of employment in connection with any approval, disapproval, recommendation, development, or any other action or decision related to the solicitation and resulting contract. Contractor further represents that no employee or former employee of DPS has or is soliciting, demanding, accepting, or agreeing to accept a gratuity or offer of employment for the reasons previously stated; any such action by an employee or former employee in the future, if any, will be rejected by contractor. Contractor further represents that it is in compliance with the Mississippi Ethics in Government laws, codified at Mississippi Code Annotated §§ 25-4-101 through 25-4-121, and has not solicited any employee or former employee to act in violation of said law.
12. **APPLICABLE LAW** This contract must be governed by and construed in accordance with the laws of the State of Mississippi, excluding its conflicts of laws, provisions, and any litigation with respect thereto must be brought in the courts of the State.
13. **CONTRACT ASSIGNMENT AND SUBCONTRACTING** Contractor acknowledges that it was selected by DPS to perform the services required hereunder based, in part, upon Contractor's special skills and expertise. Contractor shall not assign, subcontract or otherwise transfer this agreement in whole or in part, without prior written consent of DPS, which may, in its sole discretion, approve or deny without reason. Any attempted assignment or transfer of Contractor's obligations hereunder without consent of DPS shall be null and void. Approval of a subcontract by DPS shall not be deemed to be approval of the incurrence of any additional obligation of DPS. Subcontracts shall be subject to the terms and conditions of this agreement and to any conditions of approval that DPS may deem necessary. Subject to the foregoing, this agreement shall be binding upon the respective successors and assigns of the parties.
14. **COMPLIANCE WITH LAWS** Contractor shall comply with, and all activities under this agreement shall be subject to, all applicable federal, state, and local laws and regulations, as now existing and as may be amended or modified.
15. **COMPLIANCE WITH EQUAL OPPORTUNITY IN EMPLOYMENT POLICY** Contractor understands that DPS is an equal opportunity employer and therefore, maintains a policy which prohibits unlawful discrimination based on race, color, creed, sex, age, national origin, physical handicap, disability, genetic information, or any other consideration made unlawful by federal, state, or local laws. All such discrimination is unlawful, and Contractor agrees during the term of the agreement that Contractor will strictly adhere to this policy in its employment practices and provision of services.

16. **REQUIRED PUBLIC RECORDS AND TRANSPARENCY** Upon execution of a contract, the provisions of the contract which contain the personal or professional services provided, the unit prices, the overall price to be paid, and the term of the contract shall not be deemed to be a trade secret or confidential commercial or financial information pursuant to Mississippi Code Annotated § 25-61-9(7). The contract shall be posted publicly on www.transparency.ms.gov and shall be available for at the Agency for examination, inspection, or reproduction by the public. The contractor acknowledges and agrees that DPS and this contract are subject to the *Mississippi Public Records Act of 1983* codified at Mississippi Code Annotated §§ 25-61-1, *et seq.* and its exceptions, Mississippi Code Annotated § 79-23-1, and the *Mississippi Accountability and Transparency Act of 2008*, codified at Mississippi Code Annotated §§ 27-104-151, *et seq.*

17. **E-VERIFICATION** If applicable, Contractor represents and warrants that it will ensure its compliance with the Mississippi Employment Protection Act and will register and participate in the status verification system for all newly hired employees. Mississippi Code Annotated §§ 71-11-1 and 71-11-3. Contractor agrees to provide a copy of each verification upon request of DPS subject to approval by any agencies of the United States Government. Contractor further represents and warrants that any person assigned to perform services hereafter meets the employment eligibility requirements of all immigration laws.

The breach of this clause may subject Contractor to the following: (1) termination of this contract and exclusion pursuant to Chapter 15 of the Public Procurement Review Board Office of Personal Service Contract Review Rules and Regulations; (2) the loss of any license, permit, certification or other document granted to Contractor by an agency, department, or governmental entity for the right to do business in Mississippi; or (3) both. In the event of such termination, Contractor would also be liable for any additional costs incurred by the Agency due to Contract cancellation or loss of license or permit to do business in the state.

18. **INDEPENDENT CONTRACTOR STATUS** Contractor shall, at all times, be regarded as and shall be legally considered an independent contractor and shall at no time act as an agent for DPS. Nothing contained herein shall be deemed or construed by DPS, Contractor, or any third party as creating the relationship of principal and agent, master and servant, partners, joint ventures, employer and employee, or any similar such relationship between DPS and Contractor. Neither the method of computation of fees or other charges, nor any other provision contained herein, nor any acts of DPS or Contractor hereunder creates or shall be deemed to create a relationship other than the independent relationship of DPS and Contractor.

Contractor's personnel must not be deemed in any way, directly or indirectly, expressly or by implication, to be employees of DPS. Neither Contractor nor its employees shall, under any circumstances, be considered servants, agents, or employees of DPS, and DPS shall be at no time legally responsible for any negligence or other wrongdoing by Contractor, its servants, agents, or employees.

DPS shall not withhold from the contract payments to Contractor any federal or state

unemployment taxes, federal or state income taxes, Social Security tax, or any other amounts for benefits to Contractor. Further, DPS must not provide to Contractor any insurance coverage or other benefits, including Worker's Compensation, normally provided by DPS for its employees.

19.

TERMINATION

Termination for Convenience. The Mississippi Department of Public Safety may, when the interests of the Agency so require, terminate this contract in whole or in part, for the convenience of the Agency. The Mississippi Department of Public Safety shall give written notice of the termination to Contractor specifying the part of the contract terminated and when termination becomes effective. Contractor shall incur no further obligations in connection with the terminated work and on the date set in the notice of termination Contractor will stop work to the extent specified. Contractor shall complete the work not terminated by the notice of termination and may incur obligations as are necessary to do so.

Termination for Default. If DPS gives the Contractor a notice that the personal or professional services are being provided in a manner that is deficient, the Contractor shall have 30 days to cure the deficiency. If the Contractor fails to cure the deficiency, DPS may terminate the contract for default and the Contractor will be liable for the additional cost to DPS to procure the personal and professional services from another source. Termination under this paragraph could result in Contractor being excluded from future contract awards pursuant to Chapter 15 of the *Public Procurement Review Board Office of Personal Service Contract Review Rules and Regulations*. Any termination wrongly labelled termination for default shall be deemed a termination for convenience

20.

OWNERSHIP OF DOCUMENTS AND WORK PAPERS DPS shall own all documents, files, reports, work papers and working documentation, electronic or otherwise, created in connection with the project which is the subject of this Agreement, except for Contractor's internal administrative and quality assurance files and internal project correspondence. Contractor shall deliver such documents and work papers to DPS upon termination or completion of the Agreement. The foregoing notwithstanding, Contractor must be entitled to retain a set of such work papers for its files. Contractor must be entitled to use such work papers only after receiving written permission from DPS to use such workpapers, subject to any copyright protections.

21.

INDEMNIFICATION To the fullest extent allowed by law, Contractor shall indemnify, defend, save and hold harmless, protect, and exonerate DPS its commissioners, board members, officers, employees, agents, and representatives, and the State of Mississippi from and against all claims, demands, liabilities, suits, actions, damages, losses, and costs of every kind and nature whatsoever including, without limitation, court costs, investigative fees and expenses, and attorneys' fees, arising out of or caused by Contractor and/or its partners, principals, agents, employees and/or subcontractors in the performance of or failure to perform this agreement.

In the Mississippi Department of Public Safety's sole discretion, upon approval of the Office of the Mississippi Attorney General and DPS, Contractor may be allowed to control

the defense of any such claim, suit, etc. In the event Contractor defends said claim, suit, etc., Contractor shall use legal counsel acceptable to the Office of the Mississippi Attorney General and DPS. Contractor shall be solely responsible for all costs and/or expenses associated with such defense, and DPS shall be entitled to participate in said defense. Contractor shall not settle any claim, suit, etc. without the concurrence of the Office of the Mississippi Attorney General and DPS, which shall not be unreasonably withheld.

22.

CHANGE IN SCOPE OF WORK DPS may order changes in the work consisting of additions, deletions, or other revisions within the general scope of the contract. No claims may be made by Contractor that the scope of the project or of Contractor's services has been changed, requiring changes to the amount of compensation to Contractor or other adjustments to the contract, unless such changes or adjustments have been made by written amendment to the contract signed by DPS and Contractor.

If Contractor believes that any particular work is not within the scope of the project, is a material change, or will otherwise require more compensation to Contractor, Contractor must immediately notify DPS in writing of this belief. If DPS believes that the particular work is within the scope of the contract as written, Contractor will be ordered to and must continue with the work as changed and at the cost stated for the work within the contract.

23.

STOP WORK ORDER The Mississippi Department of Public Safety may, by written order to Contractor at any time, require Contractor to stop all or any part of the work called for by this contract. This order shall be for a period of time specified by DPS. Upon receipt of such an order, Contractor shall forthwith comply with its terms and take all reasonable steps to minimize any further cost to DPS. Upon expiration of the stop work order, Contractor shall resume providing the services which were subject to the stop work order, unless DPS has terminated that part of the agreement or terminated the agreement in its entirety. The Mississippi Department of Public Safety is not liable for payment for services which were not rendered due to the stop work order.

24.

INSURANCE Contractor must maintain at least the minimum level of worker's compensation insurance, comprehensive general liability or professional liability insurance, with minimum limits of \$1,000,000.00 per occurrence. All workers' compensation, comprehensive general liability, professional liability insurance and fidelity bond insurance will provide coverage to DPS as an additional insured. DPS reserves the right to request from carriers certificates of insurance regarding the required coverage. Insurance carriers must be licensed or hold a Certificate of Authority from the Mississippi Department of Insurance. Contractor must be prepared to provide evidence of required insurance upon request by DPS at any point during the contract period and should consult with legal counsel regarding its obligations.

25.

CONTRACT MANAGEMENT If the Contractor fails to adhere to the service schedule, or if the Contractor fails to satisfactorily provide the prescribed service to all or any service area, DPS will inform the Contractor, and the Contractor must complete corrective action within twenty-four (24) hours. No payment must be made to the Contractor until all deficiencies have been corrected. If the Contractor exhibits a pattern of non-performance

as shown by repeated deficiencies, the Contracting Agency may terminate the contract without further obligation to the Contractor.

26.

ATTORNEYS' FEES AND EXPENSES In the event Contractor defaults in any obligations under this agreement, Contractor shall pay to DPS all costs and expenses incurred by DPS in enforcing this agreement or reasonably related to enforcing this agreement. This includes but is not limited to investigative fees, court costs, and attorneys' fees. Under no circumstances shall DPS be obligated to pay attorneys' fees or legal costs to Contractor.

27.

AUTHORITY TO CONTRACT Contractor warrants: (1) that it is a validly organized business with valid authority to enter into this agreement; (2) that it is qualified to do business and in good standing in the State of Mississippi; (3) that entry into and performance under this agreement is not restricted or prohibited by any loan, security, financing, contractual, or other agreement of any kind; and, (4) notwithstanding any other provision of this agreement to the contrary, that there are no existing legal proceedings or prospective legal proceedings, either voluntary or otherwise, which may adversely affect its ability to perform its obligations under this agreement.

28.

EXCLUSION OR DEBARMENT By submitting a bid or proposal in response to the procurement, the Contractor certifies that it is not currently excluded or debarred from future contract awards by any political subdivision or agency of any state, federal, local, or county government. Contractor further certifies that it is not an agent of any such person or entity.

Contractor certifies that it has not, in the five-year period preceding its offer, been convicted of or had a civil judgment rendered against it for commission of a fraud or criminal offense in connection with obtaining, attempting to obtain, or performance of a public contract; violation of antitrust laws; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property. Contractor certifies that it is not presently indicted or otherwise criminally or civilly charged with the commission of any of the acts listed herein.

Contractor certifies that, within the past five years, it has not had a contract with a governmental entity terminated due to the offeror's failure to perform, default, or any other action or inaction by the offeror.

29.

MODIFICATION OR RENEGOTIATION REQUIRED BY LAW The parties agree to renegotiate the agreement in good faith if federal and/or state revisions to any applicable laws or regulations make changes in this agreement necessary. This agreement may be modified only by written agreement signed by the parties hereto and approval by the Public Procurement Review Board, if required.

30.

CONTRACTOR PERSONNEL DPS shall, throughout the life of the contract, have the right of reasonable rejection and approval of staff or subcontractors assigned to the work by Contractor. If DPS reasonably rejects staff or subcontractors, Contractor shall provide

replacement staff or subcontractors satisfactory to DPS in a timely manner and at no additional cost to DPS. The day-to-day supervision and control of Contractor's employees and subcontractors is the sole responsibility of Contractor.

31. **FAILURE TO ENFORCE DOES NOT CONSTITUTE A WAIVER** Failure by DPS at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of DPS to enforce any provision at any time in accordance with its terms.
32. **FAILURE TO DELIVER** In the event of failure of Contractor to deliver services in accordance with the contract terms and conditions, DPS, after due oral or written notice, may procure the services from other sources and hold Contractor responsible for any resulting additional purchase and administrative costs. This remedy must be in addition to any other remedies that DPS may have.
33. **SEVERABILITY** If any part of this agreement is declared to be invalid or unenforceable, such invalidity or unenforceability shall not affect any other provision of the agreement that can be given effect without the invalid or unenforceable provision, and to this end the provisions hereof are severable. In such event, the parties shall amend the agreement as necessary to reflect the original intent of the parties and to bring any invalid or unenforceable provisions in compliance with applicable law.
34. **NO LIMITATION OF LIABILITY** Nothing in this agreement shall be interpreted as excluding or limiting any liability of the Contractor for harm arising out of the Contractor's or its subcontractors' performance under this agreement.
35. **WARRANTIES** Nothing in this agreement must be interpreted as excluding or limiting Contractor's implied warranties, which include implied warranties for merchantability and fitness for a particular purpose. See Mississippi Code Annotated § 75-2-719.
36. **HEADINGS** Headings and titles of sections in this contract are included herein for convenience of reference only and must not constitute a part of the contract for any other purpose and will not affect in any way the meaning or interpretation of this contract.
37. **ENTIRE AGREEMENT** This agreement, including all contract documents, represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations or agreements, irrespective of whether written or oral. This agreement may be altered, amended, or modified only by a written document executed by DPS and Contractor. Contractor acknowledges that it has thoroughly read all contract documents and has had the opportunity to receive competent advice and counsel necessary for it to form a full and complete understanding of all rights and obligations herein. Accordingly, this agreement shall not be construed or interpreted in favor of or against DPS or Contractor on the basis of draftsmanship or preparation hereof.
38. **ORAL STATEMENTS** No oral statement of any person shall modify or otherwise affect

the terms, conditions, or specifications stated in this contract. All limitations to the contract shall be made in writing by DPS, agreed to by Contractor, and approved by the Public Procurement Board, if required.

39. **HIPAA** Contractor agrees to comply with the Final Omnibus Rule of the Health Insurance Portability and Accountability Act (HIPAA) of 1996 and any amendments there too, including electronic data interchange, code sets, identifiers, security and privacy provisions, as may be applicable to the service under this contract.

40. **FORCE MAJEURE** Each party shall be temporarily excused from performance for any period and to the extent that it is prevented from performing any obligation or service, in whole or in part, as a result of causes beyond the reasonable control and without the fault or negligence of such party and/or its subcontractors. Such acts shall include without limitation acts of God, strikes, lockouts, riots, acts of war, epidemics, governmental regulations superimposed after the fact, fire, earthquakes, floods, or other natural disasters ("force majeure events"). When such a cause arises, Contractor shall notify the Agency in writing at its earliest reasonable opportunity of the cause of its inability to perform, how it affects its performance, and the anticipated duration of the inability to perform. All parties shall make reasonable efforts to minimize the impact of the force majeure event on contract performance. The Mississippi Department of Public Safety may exercise any rights it has under the contract which are available when neither party is in default.

41. **PROPERTY RIGHTS** Property rights do not inure to Contractor until such time as services have been provided under a legally executed contract. Contractor has no legitimate claim of entitlement to the provision of work hereunder and acknowledges that the Mississippi Department of Public Safety may terminate this contract at any time for its own convenience.

42. **CONTRACT RIGHTS** Contract rights do not vest in any party until a contract is legally executed. The MSDPS is under no obligation to award a contract following issuance of this solicitation.

43. **EXPENSES INCURRED IN THE PROCUREMENT PROCESS** All parties participating in the procurement process with regard to this solicitation shall bear their own costs of participation, pursuant to Section 1.4.4 of the *Public Procurement Review Board Office of Personal Service Contract Review Rules and Regulations*.

44. **MINOR INFORMALITIES AND IRREGULARITIES** The agency has the right to waive minor defects or variations of a bid, from the exact requirements of the specifications that do not affect the price, quality, quantity, delivery, or performance of the services being procured and if doing so does not create an unfair advantage for any bidder. If insufficient information is submitted by a bidder for the agency to properly evaluate the offer, the agency has the right to require such additional information as it may deem necessary after the submission deadline, provided that the information requested does not change the price, quality, quantity, delivery, or performance time of the services being procured and such a request does not create an unfair advantage for any bidder, offeror, applicant. (*Information*

requested may include, for example, a copy of business or professional licenses, or a work schedule.)

45. **TERMINATION UPON BANKRUPTCY** This contract may be terminated in whole or in part by Agency upon written notice to Contractor, if Contractor should become the subject of bankruptcy or receivership proceedings, whether voluntary or involuntary, or upon the execution by Contractor of an assignment for the benefit of its creditors. In the event of such termination, Contractor shall be entitled to recover just and equitable compensation for satisfactory work performed under this contract, but in no case shall said compensation exceed the total contract price.
46. **TRADE SECRETS, COMMERCIAL AND FINANCIAL INFORMATION** It is expressly understood that Mississippi law requires that the provisions of this contract which contain the commodities purchased or the personal or professional services provided, the price to be paid, and the term of the contract shall not be deemed to be a trade secret or confidential commercial or financial information and shall be available for examination, copying, or reproduction.
47. **ACKNOWLEDGEMENT OF AMENDMENTS** Bidders shall acknowledge receipt of any amendment to the solicitation in writing by signing and returning the amendment with the bid, by identifying the amendment number and date in the space provided for this purpose on the bid form, or by letter. Each bidder shall submit a written acknowledgement of every amendment to MDPS on or before the submission deadline.
48. **CERTIFICATION OF INDEPENDENT PRICE DETERMINATION** By submitting a bid, the bidder, certifies that the prices submitted in response to the solicitation have been arrived at independently and without any consultation, communication, or agreement with any other bidder, or competitor for the purpose of restricting competition.
49. **NOTICES** All notices required or permitted to be given under this agreement shall be in writing and personally delivered or sent by certified United States mail, postage prepaid, return receipt requested, to the party to whom the notice should be given at the address set forth below. Notice shall be deemed given when actually received or when refused. The parties agree to promptly notify each other in writing of any change of address.
- The following persons have been empowered to act as the duly authorized representatives for execution of this contract:
- | | |
|-------------------------------|---------------------------------|
| For Contractor: | For DPS: |
| Mike Cariola, CEO | Sean J. Tindell |
| 10430 Furnace Road, Suite 107 | 1900 East Woodrow Wilson Avenue |
| Lorton, VA, 22079 | Jackson, MS 39216 |

IN WITNESS WHEREOF, the parties hereto have affixed their signatures on the date indicated below, after first being authorized so to do.

BODE Cellmark, Inc.

By: _____

Date: _____

Mississippi Department of Public Safety

By: _____
Sean J. Tindell, Commissioner

Date: _____

EXHIBIT A – SCOPE OF SERVICES

As set forth in its Bid Response to IFB 3160007282, the Contractor will perform the following services upon request of the Mississippi Forensics Laboratory (MSFL), in fulfillment the purposes of this contract:

The Contractor will process DNA extraction, quantification, typing and SNP/FGG analysis based on the information provided from consultation with the Mississippi Forensics Laboratory DNA personnel.

The Contractor agrees to meet the vendor requirements set forth below:

- The vendor laboratory responding to this bid solicitation must be a forensic testing laboratory.
- The vendor laboratory must be an accredited laboratory against testing standards ISO 17025.
- The vendor laboratory must follow the latest revision of the FBI's Quality Assurance guidelines and have audit records available for review.
- The vendor laboratory must perform all testing within their private laboratory; further subcontracting of services is not allowed.
- The vendor must submit pricing per service requested; for example, price should include a separate cost for extraction, quantification, Auto STR, Y-STR, mitochondrial DNA, Forensic Genealogy/SNP, and database upload and records searching, and be available as a la carte services.
- The vendor is expected to maintain a turn-around-time (TAT) of 120 days from date of receipt of the sample.

The Contractor shall meet the following technical specifications and operational impact:

DNA Extraction from Skeletal Remains or other Forensic Evidentiary Items

- DNA extraction of pulverized bone sample skeletal remains or other forensic evidentiary items must be performed using QIAGEN EZ1/2 DNA Investigator chemistry
- If the sample material is bone, the bone shall be cleaned prior to extraction to minimize contamination.
- Two samples of bone material (~200 mg each) shall be collected.
- The second pulverized bone sample shall be returned to the Mississippi Forensics Laboratory (MSFL) for storage; the weight of the sample returned shall be documented and provided to the laboratory upon completion
- One half (1/2) of the any other forensic evidentiary item may be tested; the other ½ must be returned to the MSFL.
- Detailed descriptions of how much of the items were tested must be included in the case notes.
- Reagent blanks must be processed with the samples during DNA extraction.
- If a DNA extract is submitted for typing, the vendor laboratory must begin processing by quantification of the sample prior to downstream processes.
- The vendor must have detailed DNA extraction procedures available for review.

- The vendor must have specialized processing techniques for swabbing and processing swabs for contact DNA from firearms.
- The vendor must have specialized processing techniques for vacuum filtration of DNA from liquid samples.
- The vendor must be willing to provide free case reviews and consultation of evidence associated with the case.
- All forensic DNA testing must be performed in-house; no sub-contracting for any method is allowed.

Quantification using quantitative PCR

- All extractions must be quantified using real-time PCR
- QIAGEN Quantiplex PRO or Applied Biosystems Quantifiler Trio are allowable quantification chemistries

Autosomal STR, Y-STR, and Mitochondrial DNA profile generation

- Generation of an autosomal STR profile using the expanded CODIS Core loci using the Globalfiler PCR amplification kit
- Generation of a Y-STR profile using the Applied Biosystems Yfiler Plus PCR amplification kit
- Twenty-five (25) uL reaction volumes shall be used for autosomal and Y-STR amplifications to minimize inhibition of co-extracts
- Generation of a mitochondrial DNA profile using PCR within the mtDNA control region
- Positive and negative controls, and amplification blanks shall be processed during all PCR events
- Profiles for all samples must be generated and provided to the MSFL for review and entry into CODIS

Forensic Genealogy/ SNP Profile Development

- Generation of a SNP profile (whole genome or targeted SNP) should be universally compatible with genealogical databases and be compatible with typical genealogical tools that leverage shared segments and centimorgan calculations (cM) to help identify and characterize genetic relationships.
- Laboratory and staff performing the work must be located within the United States
- Laboratory should demonstrate key forensic workflow features such as chain of custody, unidirectional workflow, and other forensic best practices
- The vendor must provide documented chain of custody
- The vendor must provide details of the technology and methodology used to generate the whole genome or targeted SNP.

DNA Database Upload and Records Research/ Genealogy

- Vendor must provide genealogical services to include upload of SNP profiles to GEDmatch and Family Tree DNA and other databases that support law enforcement search.
- Vendor must provide utilize in-house staff to perform genealogical research; volunteers or non-staff members may not be used.
- Vendor must provide kinship comparisons of SNP profiles that do not require upload to

- public or online databases.
- Vendor must provide a direct comparison forensic report between two samples that provide details of a genetic relationship, as well as an analysis of all potential relationships, should the forensically investigative genealogy results generate a lead within the database.

State- and Region-Specific Case Experience

- Proven success generating SNP profiles and genealogical results from the extremely old, degraded skeletal material.

Documentation and Testimony

- Vendor must provide a secure, 24/7 self-service electronic system for documenting and evaluating forensic genetic genealogy test requests
- The vendor must provide casework details including, but not limited to, chain-of-custody, laboratory methods, summary report generation, and technical review documentation
- Vendor shall provide forensic reports to document all steps of the laboratory and investigative process
- If court testimony is needed, a separate quote will be requested and a purchase order submitted.

The Contractors shall perform services as set forth in its Bid Response to IFB 3160007282 and as follows:

1. Assign a Contractor Account Representative to work directly with the Contracting Agency Representative.
2. All state facilities are non-smoking; the Contractor and its personnel must adhere to this requirement. The use of tobacco products is prohibited, except within designated smoking areas.
3. It is illegal to have in one's possession any illegal drug or alcoholic beverage while on state property.
4. The Contractor's employees should refrain from using foul, abusive, or profane language on state property.
5. The MDPS reserves the right to inspect and search all Contractor personnel and/or vehicles anytime while on facility grounds.
6. Contractors are required to sign-in and sign-out at most state facilities. Security provisions for all state facilities must be strictly observed.
7. Be responsible for all damages and shall be held responsible for replacing or repairing any damage due to negligence on the part of the Contractor or Contractor personnel to any person(s) and/or property. The Contractor shall replace and repair any damage to any building or property, including but not limited to the replacement of any cracked or broken concrete (sidewalks, curbs, etc.) caused by on-site activities. Contracting Agency may withhold

MISSISSIPPI DEPARTMENT OF PUBLIC SAFETY
INDEPENDENT CONTRACTOR AGREEMENT

payment or make such deductions as deemed necessary to ensure reimbursement or replacement for loss or damage to property.

8. Exercise precautions at all times for the protection of persons (including employees) and property. The Contractor shall make such investigations to enable them to fully understand the facilities, difficulties, and restrictions attending the execution of the work on-site. The project shall at all times be properly supervised and adequately manned by an experienced crew of appropriate size. All work shall be accomplished by skilled workers familiar with and trained to do this type of work. Workers shall be qualified to operate and/or use the equipment necessary to accomplish this work. The Contractor shall be responsible for the supervision and direction of the work performed by its personnel. The Contractor shall be responsible for instructing its personnel in all safety measures. All equipment used by the Contractor shall be maintained in safe operating condition at all times and be free from defects or wear that may in any way constitute a hazard to any person or persons on state property. All incidents involving agency property or personnel shall be reported to the designated agency contact immediately upon occurrence.
9. Abide by all State and/or agency policies, procedures, ordinances, and/or laws pertaining to the Contracting Agency's operation at all times, including but not limited to the items listed above. Deviations from these policies by the Contractor or its personnel will not be tolerated and will be considered grounds for contract termination.
10. Perform all services provided in the contract between the bidder/vendor and MDPS in accordance with customary and reasonable industry standards as well as in strict conformance to all laws, statutes, and ordinances and the applicable rules, regulations, methods and procedures of all government boards, bureaus, offices, and other agents. The Contractor shall be responsible for the complete performance of all work; for the methods, means, and equipment used; and for furnishing all materials, tools, apparatus, and property of every description used in connection therewith. No statement within this IFB shall negate compliance with any applicable governing regulation. The absence of detail specifications or the omission of detail description shall be recognized as meaning that only the best commercial practices are to prevail, and that only first quality materials and workmanship are to be used.
11. Administer and maintain all employment and payroll records, payroll processing, and payment of payroll checks and taxes, including the deductions required by state, federal, and local laws such as social security and withholding taxes for their business and employees.
12. Make all unemployment compensation contributions as required by federal and state law(s) and process claims as required for their business and employees.
13. Perform a background check and/or drug screening prior to placement if requested by the Contracting Agency and verify and/or provide the results; and,
14. Replace immediately, at no additional expense to the Contracting Agency, any employee not performing satisfactorily.

EXHIBIT B – BID RESPONSE

The Contractor’s response to IFB 3160007282, issued by the Mississippi Department of Public Safety, is hereby incorporated into this agreement. The Bid Response is as follows:



IN RESPONSE TO

Mississippi Department of Public Safety

Invitation For Bids – 3160007282

Customized Testing and Reporting Services for Human DNA
Testing Services for MSFL

Contact: Renee Walker, Contracts Manager
Email: contracts@bodetech.com
Phone: (703) 646-9875, Fax: (703) 738-7221



Transmittal Letter

April 22, 2025

Mississippi Department of Public Safety
Procurement Department
1900 E. Woodrow Wilson Blvd, 4th FL, Room 402
Jackson, MS 39216
Attention: Britney Wesley or Sonya Toaster

Re: IFB Number: 3160007282

Dear Ms. Wesley and Ms. Toaster:

Bode Cellmark Forensics, Inc. d/b/a Bode Technology (Bode) would like to thank the Mississippi Department of Public Safety (MDPS) and Mississippi Forensic Laboratory (MSFL) for the opportunity to submit this response to the Invitation for Bid entitled *Customized Testing and Reporting Services for Human DNA testing services for MSFL*. Bode understands that the MSFL is seeking proposals from qualified vendors to establish a contract for customized testing and reporting services for DNA extraction, quantification, typing and SNP/FGG analysis on behalf of the MSFL. Bode possesses all of the experience, human, technical and financial resources to initiate and complete this project and will do so on time and on budget.

Bode was established in 1995 and is an ISO 17025-accredited and FBI Quality Assurance Standards (QAS) compliant facility at the forefront of forensic genetic genealogy testing. Having tested over 200,000 cases, including over 30,000 human remains samples and more than 600 forensic investigative genetic genealogy (FIGG) cases, Bode has more experience than any other private laboratory or genetic genealogy provider in handling critical forensic evidence and human remains. Bode uses its vast forensic experience to apply the most rigorous and scientifically sound procedures to its genetic genealogy service. Bode has demonstrated successful performance within the State of Mississippi, having provided DNA databasing sample testing on thousands of samples for the MSFL over the past decade as well as customized forensic casework for the Mississippi Innocence Project and Rankin County District Attorney. Additionally, Bode has completed a FIGG case that resulted in the conviction of a serial rapist for the Rankin County District Attorney in Mississippi.

Organizational and Operational Structure: Bode has developed a streamlined organizational structure that allows us to efficiently handle the tasks described in the Scope of Work. Our responsibilities and assignments are clearly defined, ensuring effective project management and execution. Bode has completed more than 600 forensic investigative genetic genealogy cases since late 2018 and has assisted with the identity resolution of unidentified human remains as well as foreign DNA from crime scene evidence samples since 1998.

Staffing Capacity: Bode's team of qualified analysts/genealogists have the capacity to perform the required DNA analysis as well as genealogical investigations for the MDPS and to begin testing right away.

Technical Approach: Bode's technical approach is rooted in scientific excellence and professionalism. We have outlined our approach to accomplishing the tasks detailed in the Scope of Work.

In accordance with Section 4.1.4 of the IFB, Bode has addressed the following points in order to be deemed responsive:

1. Bode has been providing the services specified in the Section 2.2 "Scope" for over one (1) year;



2. Bode maintains a pool of qualified genealogists and analysts who can fill the requests from MDPS; and
3. Bode has provided three references for contracts where we provide the same or similar scope of services as Attachment C.

Bode Cellmark provides the following standard form documentation as identified in Section 4.4.3 of the IFB below:

- Bid Cover Sheet (**Attachment A**)
- Bid (**Attachment B**)
- References (**Attachment C**)
- Certifications and Assurances (**Attachment D**)

We trust that the above information as well as our proposal will enable you to favorably evaluate the services Bode has to offer. If you have any questions, as the official representative for Bode for this bid response and any resulting Contract, my contact information is listed below. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Cariola".

Mike Cariola
CEO/President
Bode Cellmark Forensics, Inc.
10430 Furnace Road, Suite 107
Lorton, VA 22079
Phone: (703) 646-9876
E-mail Address: Mike.Cariola@bodetech.com

BODE ADVANTAGE

Based in Lorton, Virginia, a suburb of Washington D.C., Bode employs more than 35 analysts, scientists and technologists who are dedicated to developing and utilizing state-of-the-art technology to achieve Bode's mission of being the most trusted provider of forensic DNA analysis in the world. For over 25 years, Bode has been an industry leader in providing complex forensic DNA analysis, highly advanced and proprietary DNA collection products, contract research, consulting and training services to law enforcement agencies, state governments, crime laboratories and disaster management organizations around the world. Bode's customer base includes over 400 law enforcement agencies, crime laboratories, non-governmental organizations and disaster management organizations around the world. Bode is the largest private DNA laboratory in the United States with unsurpassed experience.



Bode's Lorton, Virginia Laboratory

Bode has successfully performed outsourcing work on various types of forensic cases for over 25 years including the testing of more than 200,000 cases for our clients. Bode offers forensic DNA testing for a multitude of case types to include sexual assault kits (SAKs), property crimes, homicides, robberies, cold cases, missing persons cases and mass disasters. Overall Bode has more experience than any other company in processing evidence for the identification of biological fluids and DNA analysis and is a leading provider of forensic genealogy services, having completed over 600 genealogy cases.

Bode offers a wide range of DNA testing services. Bode's laboratory operations consists of several specialized laboratory teams:

- Forensic Genealogy team which tests violent crimes and unidentified human remains for SNP analysis through targeted or whole or genome sequencing. Genealogical research is completed by Bode's team of highly-qualified and experienced genetic genealogists.
- Human identification/missing persons team which specializes in the testing of unidentified human remains and family reference samples. Bode has developed proprietary bone processing methods and regularly provides STR, mini-STR, Y-STR and mtDNA analysis testing services as well as kinship statistical analysis on approximately 100 bones per month.
- Customized casework team which focuses on the testing of individual, complex cases including violent crimes, cold cases and post-conviction testing.
- CODIS/Databasing team which is currently reporting 3,000-7,000 convicted offender and/or arrestee samples per month.
- High-throughput sexual assault testing teams which are currently reporting approximately 1,200 sexual assault kits per month.

- High-throughput non-sexual assault testing team with a proven capacity of more than 1,000 cases per month. These cases are primarily property crimes and violent crimes but span all case types.
- Developed and maintains an integrated web-based case management system, BodeHITS™, that includes DNA processing services and a DNA profile database that searches and delivers HIT results automatically;
- Laboratory support team which specializes in forensic case inventory and examination as well as both manual and automated laboratory procedure support.
- Applied research, validation, quality control and training team which works to optimize current laboratory procedures, develop, validate and implement new procedures and streamline training needs across the laboratory operations team.



In total, Bode has tested over 200,000 forensic cases, over 30,000 human remains samples and 3.5 million CODIS databasing samples. Bode's state of the art laboratory has the capacity to process over 3,000 forensic cases and 25,000 database reference samples per month and is currently testing approximately 2,000 forensic cases and 6,000 databasing samples monthly. Further, Bode has completed DNA testing on over 600 genealogy cases. Additionally, Bode analysts have provided over 1,000 expert witness testimonies. Bode maintains appropriate staffing to ensure all work is performed according to client specifications and within specified turnaround times and can reassign staff from other projects if additional capacity is required. Additionally, Bode is actively investing in additional personnel to further increase capacity to better meet the changing needs of its customers. Virginia's Governor recently recognized Bode for its job creation wherein Bode added 70 new positions. This included the hiring of 30 new lab staff.

<https://www.governor.virginia.gov/newsroom/news-releases/2022/april/name-930921-en.html>

The MSFL can count on Bode to provide a highly experienced and qualified team of experts to complete the testing as required through this contract. Bode's key managerial personnel and executive team have >175 years combined forensic DNA experience. Bode's 50+ forensic casework analysts each average over 5 years of forensic DNA experience.

Overall, Bode embraces a culture and philosophy necessary for the successful, quality forensic examination of evidence, which spans from initiation of chain of custody (COC) to production of final reports and identifications. Bode is embedded with a culture of forensic science excellence and has an unsurpassed reputation in the forensic community with experience operating under regulatory requirements.

Bode has more experience than any other US Private Laboratory in supporting human identification work from mass graves, missing persons cases and mass casualty events. As shown in **Figure 1**, Bode has provided human identification services to numerous governmental and non-governmental agencies.

Bode Supports Dozens of Agencies with Human Remains Testing:

- | | |
|--|--|
| <ul style="list-style-type: none">• Committee on Missing Persons in Cyprus (United Nations Development Project)• Equipo Argentino de Antropologia (EAAF)• Pima County Office of the Medical Examiner• Colibri Center for Human Rights• Office of Chief Medical Examiner of the City of New York• California Department of Justice Missing Persons Unit• King County Sheriff's Office of the Medical Examiner | <ul style="list-style-type: none">• National Center for Missing and Exploited Children• Royal Canadian Mounted Police• International Committee of the Red Cross (ICRC)• Latin American Initiative for the Identification of the Disappeared (LIID)• Netherlands Forensic Institute• US National Institute of Justice – Using DNA Technology to Identify the Missing• Mexico Foreign Ministry• Texas State University OpID |
|--|--|

Figure 1. Bode has more experience with human identification projects and difficult DNA extractions from human remains than any other US private laboratory.

In addition to the human identification work above, Bode also has served as the industry's premier forensic services provider at the State and Local level. As shown in Figure 2, we have delivered similar forensic services to countless state and local authorities over the last quarter century.

Bode Supports Dozens of State and Local Agencies Including:

- | | |
|---|---|
| <ul style="list-style-type: none">• Albuquerque Police Department• Arkansas State Crime Laboratory• Austin Police Department• Baltimore County Crime Laboratory., MD• California Department of Justice• Charlotte-Mecklenburg Police Department• Cleveland Police Department• Dallas County District Attorney's Office• Delaware OCME• Florida Department of Law Enforcement• Georgia Bureau of Investigation• Harris County Institute of Forensic Sciences• Houston Forensic Science Center• Illinois State Police• Iowa Department of Justice• Las Vegas Police Department, NV• Los Angeles Police Department, CA• Los Angeles Sheriff's Department, CA• Maryland State Police• Massachusetts State Police | <ul style="list-style-type: none">• Memphis Police Department• Metropolitan-Nashville Police Department• Metropolitan Police Department, DC• Mississippi Crime Laboratory• Missouri Highway Patrol• North Carolina State Bureau of Investigation• Oklahoma State Bureau of Investigations• Palm Beach County Sheriff's Office, FL• Philadelphia Police Department• Phoenix Police Dept Crime Lab, AZ• Pima County Office of the Medical Examiner, AZ• San Diego County District Attorney's Office, CA• San Diego Sheriff's Department, CA• Santa Clara Crime Laboratory• Texas Department of Public Safety• Utah Bureau of Forensic Services• Virginia Division of Forensic Sciences• Washoe County Police Dept., NV• Washington State Patrol• Wisconsin Department of Justice |
|---|---|

Figure 2. No other company but Bode has the corporate breadth, knowledge, and experience to successfully lead and execute all facets of the MFSL's program with the lowest possible risk.

Finally, Bode has applied its breadth of forensic services across dozens of federal agencies (Figure 3):

Bode Team Supports Dozens of Federal Agencies Including:	
• Federal Bureau of Investigation	• Naval Criminal Investigative Service
• Bureau of Alcohol, Tobacco, & Firearms	• Department of Homeland Security
• Department of Defense	• Immigration & Customs Enforcement
• U.S. Secret Service	• Defense Forensic Science Center
• U.S. Marshals Service	• Department of Justice
• U.S. Customs and Border Protection	• Drug Enforcement Agency
• U.S. Border Patrol	• Intelligence Community Agencies
• Combating Terrorism Technical Support Office	• INTERPOL
• Money Laundering and Asset Recovery Section	• U.S. Citizenship and Immigration Service
• National Institute of Justice	• U.S. Army Criminal Investigation Laboratory
• Joint Improvised-Threat Defeat Organization	• U.S. Postal Inspection Service

Figure 3. *Bode continues to be the Government's "Go-To" forensic support specialist.*

Staffing Capacity and Qualifications

Bode makes every effort to allow clients access to any management personnel as we prioritize communication ensuring a project will be accomplished successfully. The primary contacts will be the Casework Supervisor and the Vice President of Forensic Genealogy Services, who together will be available for any questions or unique needs that arise. However, the customer also has direct access to all key personnel listed below.

Our management approach ensures success by employing industry best standards and processes to plan, execute, and control program activity to meet the MFSL’s objectives while constantly seeking efficiencies, process improvement, and applying repeatable best Quality Control (QC) practices to identify and address issues before they become problems. Figure 3 details the features, strengths, and benefits of management approach.

Management Features	Benefits to the County's Program
Optimized Program Leadership Structuring	• Dedicated Laboratory Director to assist with administrative tasks such as program cost control, performance, staffing, quality, and contractual issues. • A dedicated Casework Director focused on delivering forensic services for the MFSL while managing day-to-day operations on site. • A dedicated Casework Supervisor overseeing the STR, YSTR and mtDNA testing. • A dedicated Forensic Genealogy Services Vice President overseeing the SNP testing and genealogical research and serving as the primary point of contact to the MFSL. • Clear lines of reporting, levels of authority and responsibility with fully empowered Directors to address and solve challenges immediately and at the lowest level—reducing inefficiencies while ensuring client responsiveness. • Realistic span of control for the Directors with immediate and daily administrative and management support from a Laboratory Director. • Highly flexible and adaptable to meet surge operations or additional tasks. • Directors grounded in Program Management, Laboratory Supervision, and Forensics Analysis & Examination—the perfect blend for Key positions. • A Technical Leader and Quality Assurance Manager to support compliance. • Support team to include QC analysts, validation and training. • Focus on ensuring service consistency, efficiency, and continued improvement.
Flat organizational structure with clear lines of authority and communication	
Quality Program Management guided by Lean Six Sigma practices	

- Collaborative communication across the Team to include synchronization of operations.
- Proactively addresses personnel and performance issues before they negatively impact the MFSL's service delivery.
- Ensures transparency across the Bode Team and the MFSL's stakeholders to proactively address issues or upcoming tasks

Highly Interactive
Communication Plan

Figure 3. *Our management approach provides the MFSL with proven leadership and management processes that lead to the successful execution of forensic activities.*

Bode employs over 250 people, of which approximately 165 are highly skilled analysts, scientists, and technicians who develop and utilize state-of-the-art technology at Bode's Lorton, Virginia laboratory. Bode currently employs over fifty-five (55) forensic DNA analysts dedicated solely to the processing of samples for forensic casework projects and customized case submissions.

Bode's key managerial personnel on this project include:



- **Erin Sweeney, Vice President, Forensic Operations/Laboratory Director:** Ms. Sweeney manages full laboratory operations, assures adequate lab staffing and equipment, drives applied research implementation of new techniques and services, and assures timely completion of work at Bode's Lorton, VA laboratory. Ms. Sweeney has more than twenty (20) years of experience in high-throughput DNA sample processing and analysis for clients worldwide. Prior to becoming Laboratory Director, she directed both the databasing team, which was responsible for processing more than two (2) million offender databasing samples, and the Human Identification team, which is responsible for the DNA testing of skeletal remains and family reference samples for the identification of missing persons and victims of war, terrorism, and natural disasters in the United States and around the world. Ms. Sweeney holds a Bachelor of Science degree in biology from the University of Connecticut and a Master of Science degree in biotechnology and certificate in national security studies from Johns Hopkins University. She is a member of the American Society of Crime Laboratory Directors, the American Academy of Forensic Sciences and the International Society for Forensic Genetics. Ms. Sweeney is also a Certified Forensic Manager through the National Forensic Science Academy.



- **Deanna D. Lankford, Director, Forensic Casework,** manages daily casework laboratory operations including high throughput casework such as sexual assault kits as well as individual customized casework such as homicide cases and genetic genealogy cases at Bode's Lorton, VA laboratory. Ms. Lankford has over twenty-eight (28) years' experience in forensic DNA testing has processed and/or reviewed over ten thousand cases and has extensive experience with the implementation of advanced DNA technologies. She has provided expert testimony in approximately sixty (60) criminal trials. She oversees a team of over fifty (50) analysts and technologists working on approximately twenty-five (25) different casework contracts and has been instrumental in the reduction of casework backlogs across the country, including SAKI funded projects, as well as the launch of Bode's forensic genealogy service. Ms. Lankford holds a Master of Science degree in Pharmaceutical Sciences with an emphasis in Forensic DNA and Serology from the University of Florida and a Bachelor of Science degree in Medical Technology from Middle Tennessee State University. Ms. Lankford is also a Certified Forensic Manager through the National Forensic Science Academy.



• **Tabitha Bandy, Technical Account Director:** Ms. Bandy is the Technical Account Director for Bode and will facilitate shipments of cases to Bode's Virginia laboratory and ensure that operational plans align with the desired goals of the County. Ms. Bandy began her forensic career with the Kentucky State Police from 2000-2006. She then joined Orchid Cellmark in Nashville as a DNA Analyst for 4 years. Ms. Bandy then joined the Joint Expeditionary Forensic Facility Program and spent a year in Afghanistan providing intelligence to US and NATO Coalition Forces. Upon her return, she was hired by the Metro Nashville Police Department to establish a DNA Unit within their future multi-disciplinary laboratory. While there she served in various roles including Forensic Biology Supervisor, DNA Technical Leader, CODIS Administrator, and Crime Laboratory Assistant Director and Quality Manager. She has served as an International Technical Assessor through ASCLD and ANAB, was a member of the NDIS audit review panel, and routinely participated in the FBI sponsored OVP. She is currently an observing member of the DNA Consensus Body. Ms. Bandy received a Master of Science in Pharmacy and a Certificate in Pharmaceutical Chemistry from the University of Florida, and a Bachelor of Science degree from Western Kentucky in the field of Recombinant Genetics. Ms. Bandy's unique background, working in both public and private laboratories as well as police and military departments, provides her a unique understanding of her customers' needs.



• **Teresa Vreeland, Vice President of Forensic Genealogy Services and Senior DNA Analyst:** Ms. Vreeland manages genetic genealogy cases throughout the entire process from intake and suitability screening through testing to upload of the results into genealogy databases and would serve as one of the primary point of contact for the MFSL. Ms. Vreeland is the liaison between the genealogist and the customer to drive the investigation and bring the case to completion. As a proficient Senior DNA Analyst, she has testified as an expert witness in the field of Forensic Biology, DNA and Forensic Investigative Genetic Genealogy and routinely performs technical DNA case review. With this experience, she has the ability to review case files to determine suitability for genetic genealogy testing and recommend the best testing plan. Ms. Vreeland holds a Bachelor of Science in Genetic Engineering from Cedar Crest College in Allentown, PA.



• **Brian Adams, Supervisor, Casework,** is a 15+ year Forensic Analyst that includes 7 years' experience managing and supervising multiple sexual assault kit programs for various state clients. Mr. Adams has been a qualified analyst at Bode since 2007 and has been trained in serology, STRs, STRMix, YSTRs and kinship analysis. He has extensive experience working in the high-throughput section as well as the customized case work section. His duties include ensuring quality control and that the contractual obligations of each project are met. Mr. Adams communicates routinely with clients regarding the status of their project and resolves any questions that may arise. He manages a team of analysts working on approximately 6 different high throughput casework contracts and has been instrumental in the reduction of sexual assault kit backlogs across the country. He holds a degree in Biological Sciences from the University of Michigan and an Analytical Toxicology & Forensic Science certification from Wayne State University.



• **Jon Davoren, Director of Applied Research:** Mr. Davoren provides assistance for difficult samples and continually works to improve laboratory methods applied to human remains testing. Mr. Davoren has been responsible for training staff, supervising the testing of more than 30,000 bone samples and 80,000 reference samples, and performing kinship matching on more than 16,000 samples related to 10,000 different individuals. Mr. Davoren has also been responsible for successfully obtaining DNA profiles from thousands of highly challenged samples, and has overseen the testing of skeletal samples from a number of mass fatality incidences including the breakup of Yugoslavia, the Thailand tsunami, Hurricane Katrina, and the World Trade Center. Mr. Davoren has dealt with hundreds of special cases involving mutations, additional STR loci, and other kinship complications such as false paternity and extended family kinship analysis. Mr. Davoren holds a Master of Science in molecular biology and a Bachelor of Science in

biochemistry from the University of Lethbridge in Canada.



- Allison Ryall, Accredited Investigative Genetic Genealogist: Ms. Ryall has worked as a consultant to law enforcement agencies and has also conducted genetic genealogy training sessions for law enforcement personnel. Allison has decades of experience in the genealogy field and is one of the first Accredited Investigative Genetic Genealogists (AIGG) in the country. She previously worked with the National Genealogical Society as Advertising and Marketing Manager, as Graphic Designer, and as a grader for the society's Home Study Course. She served as the conference tri-chair, program chair, and Ancestors Road Show Chair for the New England Regional Genealogical Conference, and as the conference chair for the Association of Professional Genealogists' annual conference. Allison is also an instructor in Boston University's Genealogy Studies Program, where she teaches students research methodology and genetic genealogy. Prior to pursuing her passion for genealogy, Allison was a media executive. She has extensive experience in the areas of research, media relations, program management, and marketing. She holds degrees in U.S. History and Russian Studies, and a master's degree in American and New England Studies from the University of Southern Maine.

TECHNICAL RESPONSE

SECTION 2

2.1 Purpose

The MDPS is seeking to establish a contract for customized testing and reporting services for DNA extraction, quantification, typing and SNP/FGG analysis on behalf of the Mississippi Forensics Laboratory (MSFL). It is understood that any contract resulting from 3160007282 requires approval by the Public Procurement Review Board (PPRB). If any contract resulting from 3160007285 is not approved by the Public Procurement Review Board, it is void and no payment shall be made.

2.2 Scope of Services

- *The vendor laboratory responding to this bid solicitation must be a forensic testing laboratory.*
- *The vendor laboratory must be an accredited laboratory against testing standards ISO 17025.*

Bode's laboratory is accredited by ANSI National Accreditation Board (ANAB) to ISO/IEC 17025:2017 for Forensic Science Testing and Calibration Laboratories as well as the 2020 FBI Quality Assurance Standards (QAS) for *Forensic DNA Testing Laboratories* and *DNA Databasing Laboratories*. ANAB is a signatory to ILAC. Bode's scope of accreditation includes both DNA Analysis (STR, mini-STR, Y-STR, SNP, mitochondrial DNA testing, probabilistic genotyping, capillary electrophoresis and massively parallel sequencing), Rapid DNA and Forensic Biology. Materials (Trace) for hair analysis was recently added.

Bode is also the only provider approved by the New York Department of Health to perform whole genome sequencing for forensic investigative genetic genealogy services in New York. Bode has provided its accreditation certificate and scope as **ATTACHMENT ONE**.

- The vendor laboratory must follow the latest revision of the FBI's Quality Assurance guidelines and have audit records available for review.

Bode's most recent FBI Quality Assurance Audit took place in December 2024. The report is available upon request. No findings or non-conformities were identified.

- The vendor laboratory must perform all testing within their private laboratory; further sub-contracting of services is not allowed.

All services will be performed in Bode's Lorton, Virginia laboratory.

- The vendor must submit pricing per service requested; for example, price should include a separate cost for extraction, quantification, Auto STR, Y-STR, mitochondrial DNA, Forensic Genealogy/SNP, and database upload and records searching, and be available as a la carte services.

Bode has provided pricing as **ATTACHMENT B**.

- The vendor is expected to maintain a turn-around-time (TAT) of 120 days from date of receipt of the sample.

Bode has the capacity to process over 3,000 forensic cases and 10,000 database reference samples per month and is currently testing approximately 2,000 forensic cases and 4,000 databasing samples monthly. Therefore, Bode has the available capacity to handle all samples submitted, to begin testing immediately and within the 120 day TAT.

- The vendor shall meet the following technical specifications and operational impact:
 - **DNA Extraction from Skeletal Remains or other Forensic Evidentiary Items**
 - DNA extraction pulverized bone sample skeletal remains or other forensic evidentiary items must be performed using QIAGEN EZ1/2 DNA Investigator chemistry.
 - If the sample material is bone, the bones shall be cleaned prior to extraction to minimize contamination.
 - Two samples of bone material (~200 mg each) shall be collected.
 - The second pulverized bone sample shall be returned to the Mississippi Forensics Laboratory (MSFL) for storage; the weight of the sample returned shall be documented and provided to the laboratory upon completion
 - One half (1/2) of the any other forensic evidentiary items may be tested; the other 1/2 must be returned to the MSFL.
 - Detailed descriptions of how much of the items were tested must be included in the case notes.
 - Reagent blanks must be processed with the samples during DNA extraction
 - If a DNA extract is submitted for typing, the vendor laboratory must begin processing by quantification of the sample prior to downstream processes.
 - The vendor must have detailed DNA extraction procedures available for review.
 - The vendor must have specialized processing techniques for swabbing and processing swabs for contact DNA from firearms.
 - The vendor must have specialized processing techniques for vacuum filtration of DNA from liquid samples.
 - The vendor must be willing to provide free case reviews and consultation of evidence associated with the case.
 - All forensic DNA testing must be performed in-house; no sub-contracting for any method is allowed.

Bode's human identification efforts strive to provide answers and identifications for unidentified human remains across the world, and to bring closure to those families affected by such incidents. Specifically, Bode developed new advances in extraction technologies that led to the reopening of efforts to identify victims of the World Trade Center and subsequent y have been utilized to identify missing individuals from Guatemala, Peru, Argentina, as well as various Latin American countries under a U.S. Department of State funded project. Using the experiences from these projects, Bode has since provided advanced DNA testing services for several other identification projects around the world. Bode is the only private aoratory in the U.S. to participate in multiple U.S. government funded grants for "Using DNA Technology to Identify the Missing". Bode is also a partner to RTI in the United States National Missing and Unidentified Persons System (NamUs).

Bode has a dedicated bone sampling laboratory with three sampling hoods and Unimaster Dust Collectors. Bones are cleaned prior to sampling to remove any surface contaminants while minimizing any sample loss. A portion of the sample is cut and blended into a fine powder for extraction. The amount of powder taken forward for extraction depends on the sample quality and amount of sample.

Using advanced DNA typing approaches, Bode has assisted medical examiners with victim identification by analyzing more than 25,000 victim and reference samples from multiple mass fatality incidents, including the Alaska Airlines Flight 261 and American Airlines Flight 587 aircraft disasters, as well as the attack on the World Trade Center.

Bode has expertly performed on several contracts for missing persons identification. Listed below is a representative sampling of these contracts where Bode has used its improved technologies to identify degraded skeletal and dental remains from the missing.

- In 2022, Bode assisted the Philadelphia Police Office of Forensic Science in the processing of a batch of 11 unidentified human remains. Bone samples were submitted to Bode for sampling, DNA extraction, STR and FIGG analysis.
- Within the U.S., Bode has tested nearly 2,000 unidentified human remains cases and family reference samples under U.S. government sponsored grants for "Using DNA Technology to Identify the Missing" for over 12 years. This testing included STR, mtDNA and Y-STR analysis and results were reviewed and entered into CODIS by partner NDIS laboratories. Bode is the only private laboratory to receive multiple awards under this program (FY08, FY10, FY12 and FY15). Using just over \$3M in total award funds, Bode has tested close to 2,000 unidentified human remains cases leading to over 250 identifications. Bode has received cases/samples from approximately 70 different agencies. To date, over 90% of all cases have yielded STR DNA profiles eligible for upload to the US CODIS Missing Persons database and nearly all have yielded mitochondrial DNA profiles eligible for upload.
- Bode has successfully tested over 2,000 skeletal fragments and 7,000 reference samples from Guatemala, Peru and Argentina under a U.S. Department of State funded project, which has led to the identification of numerous individuals who went missing in the 1970's and 1980's as a result of decades of military dictatorships, internal conflicts, and action of paramilitary and guerrilla groups and terrorism. All of these projects involved large scale profile comparison of the unidentified remains profiles to a database of family reference profiles. These projects also involved commingled remains in which re-associations were made through DNA testing and the added complexity of having related family members among the missing.

In the cases listed above, Bode has consistently outperformed other laboratories in being able to obtain DNA profiles from skeletal elements and identify more matches through highly advanced and proprietary kinship database software and/or publicly available genealogy databases. Furthermore, due to the nature of the identification projects in which Bode is

assisting. Bode has experience with follow-up DNA testing such as Y-STR, mini-STR, mitochondrial DNA and/or extended STR testing, which is often required.

Improvements in DNA sampling techniques, along with increasingly sensitive testing methods, have enabled scientists to obtain results from forensic cases that were once unsolvable. Bode offers cutting-edge solutions to help resolve your cases. Bode scientists are leaders in the use of the latest technologies. Bode will collect two (2) samples from each skeletal remains sample (~200mg each) and will return one sample to MSFL. Based on Bode's experience, Bode may recommend extracting a larger amount but would only do so with approval from MSFL. Additionally, Bode will not consume more than half (1/2) of any other forensic evidentiary item without explicit approval from MSFL. A reagent blank will be initiated at the time of sampling for all samples extracted at Bode (including extract rehydration blanks). All sampling and consumption amounts will be documented and retained within the case file.

Advanced Sampling Techniques for Forensic Evidence

Successful DNA analysis begins with successful sampling. Bode's skilled scientists are trained in the most advanced techniques. Bode accepts nearly all types of evidence including, but not limited to, clothing, tools and weapons, cigarette butts, hairs, shell casings, and unidentified remains.

Bode has validated specialized sampling techniques for different types of evidence. All samples are evaluated individually to identify the best type of sampling method.

Sampling methods include:

- Bode X-traction™ (ATF "rinse and swab" method)
- Swabbing
- Scraping
- Tape Lifts and Post-it Notes (Low-tack Tape)
- Cutting
- Washing rootless hairs to remove exogenous DNA

Bode can also process samples collected on M-Vac® filters. Bode does not accept firearms or illicit substances for testing but can accept swabs from these items.

DNA Extraction

Bode understands the importance of maximizing the success of the initial DNA extractions and believes that DNA extraction is the most critical part of the testing as the downstream success of the sequencing is dependent on the quality of the extract. Multiple extraction methods have been validated for use at Bode offering secondary and tertiary options if the primary extraction method proves ineffective on older or compromised samples. Along with optimized sampling techniques, Bode has also optimized magnetic bead extraction technologies for improved recovery of DNA. The majority of extractions are currently performed robotically using the QIAGEN DNA Investigator kit on the QIAGEN EZ1/EZ2 BioRobot or the QIAGEN Lyse & Prep kit on the Hamilton Vantage which combines the power of QIAGEN's extraction chemistry with Hamilton's newest and most advanced high-throughput robotic platform. Bode will utilize the EZ1 and/or EZ2 for this project, as specified. Additionally, Bode offers a proprietary bone extraction, Bode Bone Prep, for improved success with bones. This method is a QIAGEN based method with proprietary modifications. It is available for use with MSFL approval. For manual processing, Bode utilizes multi-channel pipetting to eliminate the potential for single pipetting errors. Additional witnessing steps are required for manual transfer steps as an added quality control measure. In all instances, only one tube is open at any one-time during casework processing.

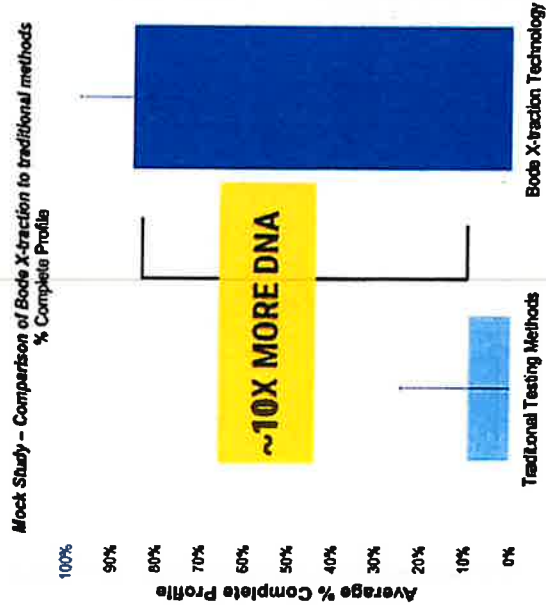


For obtaining DNA profiles from difficult samples, Bode utilizes several measures that may be determined by the analyst and based on sample quality. These methods include concentrating the extract to maximize the total input DNA and/or attempting other validated procedures for problematic samples.

Bode X-traction™ Technology

Bode has implemented a new proprietary, advanced DNA extraction process that can be applied to spent shell casings and rootless hair shafts to develop nuclear DNA profiles from samples that previously returned little to no results.

- Used to obtain CODIS eligible profiles from nuclear DNA recovered from shell casings and rootless hairs.
- Results can be obtained from as little as a single rootless hair.
- Developmental validation showed results with 10x more DNA than the standard wet/dry swab method when testing spent shell casings for DNA.



Quantification using quantitative PCR

- All bone extractions must be quantified using real-time PCR
- QIAGEN Quantiplex PRO or Applied Biosystems Quantifiler Trio are allowable quantification chemistries

DNA Quantification/DNA Quality Check

Bode will use the Quantifiler® Trio kit for use on the ABI 7500 for casework samples to quantify the amount of human DNA available from each sample extract prior to amplification. This is a real-time PCR assay which determines total human DNA concentration, total male DNA concentration, and a degradation index to estimate the level of DNA degradation and the presence of inhibitors. Bode will also use the Qubit for FIGG candidates to quantify the amount of total DNA (not human-specific) in each extract. This assay will be used to determine the approximate ratio of human to non-human DNA in each sample. Bode then uses this information to determine the appropriate input DNA amount for the sequencing testing.

Bode can also use this information to perform additional clean-up such as human enrichment or concentration of the extracts prior to sequencing to increase the chance of obtaining a profile.

Based on the quantity and quality of DNA obtained from the sample extractions, Bode may perform additional extractions for each individual sample and combine the extracts together prior to sequencing to increase the likelihood of obtaining searchable sequencing results.

Autosomal STR, Y-STR, and Mitochondrial DNA profile generation

- *Generation of an autosomal STR profile using the expanded CODIS Core loci using the Globalfiler PCR amplification kit*
- *Generation of a Y-STR profile using the Applied Biosystems Yfiler Plus PCR amplification kit*
- *Twenty-five (25) uL reaction volumes shall be used for autosomal and Y-STR amplifications to minimize inhibition of co-extracts*
- *Generation of a mitochondrial DNA profile using PCR within the mtDNA control region*
- *Positive and negative controls, and amplification blanks shall be processed during all PCR events*
- *Profiles for all samples must be generated and provided to the MSFL for review and entry into CODIS*

STR Analysis

Bode has offered STR analysis since 1999. Currently, Bode offers testing with Globalfiler, PowerPlex Fusion, PowerPlex Fusion 6C, and Investigator 24plex QS. In addition, Bode offers mini-STR testing with Minifiler which can be particularly useful on degraded human remains samples. Bode will use Globalfiler for all STR analysis on this project. Bode will run amplification positive and amplification negative controls with each assay to ensure reliability of results. Bode will process samples using capillary electrophoresis on the Applied Biosystems 3500/3500xl series genetic analyzers and will utilize GeneMapper ID-X operating software as required. All data will be provided to MSFL for review and entry into CODIS.

Y-STR Analysis

Bode has offered Y-STR analysis since 2006. Currently, Bode offers Promega's PowerPlex Y23 kit as well as the Applied Biosystems Yfiler Plus kit. Bode will utilize Yfiler Plus on this project. Bode will run amplification positive and amplification negative controls with each assay to ensure reliability of results. Bode will process samples using capillary electrophoresis on the Applied Biosystems 3500/3500xl series genetic analyzers and will utilize GeneMapper ID-X operating software as required.

Mitochondrial DNA Testing

Bode is one of very few laboratories in the United States to offer mitochondrial DNA testing. Bode has extensive experience analyzing casework samples for mitochondrial DNA since 1998. Mitochondrial DNA (mtDNA) analysis is often performed on small, old or degraded samples that are believed to be from a single source. Bode has different primer set options validated for mitochondrial testing. Extracts may be PCR amplified within the mtDNA control region using short primer sets (200-400 base pairs), Hypervariable region primers (400 base pairs), or control region primers (1100 base pairs) on the AB 9700 PCR thermal cycler. At a minimum, the HV1 (range from position 16024 to 16365) and HV2 (range from position 73 to position 340) regions will be amplified and analyzed.

Samples are purified with ExoSAP-IT to remove unincorporated primers and dNTPs from amplified products. After purification, cycle sequencing will be performed on the AB 9700 PCR thermal cycler. The amplified product will then be sequenced using the ABI Prism® BigDye™ Terminator v1.1 Cycle Sequencing Ready Reaction Kit and associated amplification primers. Next, the sequenced product will be loaded onto an Edge Biosystems Gel Filtration plate to remove excess dye-labeled dideoxynucleotide dye terminators and other low molecular weight materials from the mtDNA sequences. The cycle sequencing products will then be run on the AB 3500xl Genetic Analyzer and mtDNA sequence data is generated for the control region, including HVI and HVII, as endorsed by the FBI for acceptance of DNA data into the National DNA Index System.

Bode will use the Sequencher™ software program for mitochondrial DNA analysis. Sequence information will be reported with respect to the Anderson consensus sequence (Anderson, et al.) and will be documented in a Difference Review Report with the Sequencher™ program for mitochondrial specific mtDNA positions will be based on the Anderson sequence.

Forensic Genealogy/ SNP Profile Development

- *Generation of a SNP profile (whole genome or targeted SNP) should be universally compatible with genealogical databases and be compatible with typical genealogical tools that leverage shared segments and centimorgan calculations (cM) to help identify and characterize genetic relationships.*
- *Laboratory and staff performing the work must be located within the United States*
- *Laboratory should demonstrate key forensic workflow features such as chain of custody, unidirectional workflow, and other forensic best practices*
- *The vendor must provide documented chain of custody*
- *The vendor must provide details of the technology and methodology used to generate the whole genome or targeted SNP.*

Bode is proud to provide a comprehensive, ISO 17025 accredited solution for our Forensic Genealogy clients. With our program we are able to offer SNP testing using targeted sequencing (Kintelligence) and whole genome sequencing. Bode has been performing FIGG analysis since 2018 and has a strong knowledge of the U.S. Department of Justice Interim Policy on Forensic Genetic Genealogical DNA Analysis and Searching. Bode has maintained compliance with the interim policy since its inception and remains very conscious of standards and regulations pertaining to the responsible use of FIGG.

Through experience in testing hundreds of thousands of forensic evidence samples, Bode understands the complexity in testing evidence which may have limited amounts of DNA, which may be severely degraded, or may be challenging to extract quality DNA. Bode has completed extensive validations to bring a robust offering of massively parallel sequencing (MPS) options to our clients. These validations evaluated the precision, accuracy and reproducibility of all our procedures. This experience enables us to apply the best testing approach to each unique piece of evidence with the goal of getting the most usable data and the best results.

Coupling Bode's extensive experience in DNA testing and the superior capabilities of the AVITI™ system by Element Biosciences we are able to effectively obtain probative DNA results from complex and challenging samples. In the event a sample is not suitable for whole genome sequencing, Bode also validated targeted sequencing using the ForenSeq Kintelligence system by Verogen. By validating and implementing multiple SNP testing options with new workflows in our laboratory, we maximize results from irreplaceable DNA evidence samples while following best practices. Additionally, Bode has extensive experience with SNP data from the microarray (MA) on various sample types and DNA

quantities. This experience with the MA in combination with our in-house offerings allows us to determine the best approach to generating data that can be searched in the genealogy databases, including the impact of call rates and sequencing accuracy on the ability to identify familial relationships within the genealogy databases. Through working with an accredited laboratory such as Bode, processes are put in place to protect the integrity of the case, including a complete chain of custody, to protect consumption of limited evidence, to provide an accurate SNP genotype file, and to enable the best outcome for the case.

Certain forensic samples may be burdened by large amounts of microbial DNA. This non-human DNA can interfere with the sequencing quality and resultant SNP profile. In addition to offering validated sequencing options, Bode has also validated Human Enrichment to increase success when sequencing samples burdened with high levels of microbial DNA. This process isolates the human DNA from microbial DNA in a sample and allows for a more focused and efficient analysis of the human genome.

Bode will share the detailed process to identify cases that are eligible for forensic genealogy by reviewing the STR profile previously generated, the amount and quality of DNA present in the initial DNA work, the amount of DNA extract and evidence sample remaining for FIGG testing. Bode will present the different options available for samples for MSFL to make key decisions. By recognizing different testing possibilities, Bode will be able to identify the samples likely to produce the best results which will maximize the MSFL's budget and probability for successful investigative leads identified.

Bode's FIGG Process Summary

1. Assist with case eligibility and suitability review. On-going, as-needed.
2. Perform extraction and DNA quantification at our ISO 17025 laboratory, if required. Completed by specialized team trained in the sampling and extraction.
3. Perform quality verification to confirm sample suitability for sequencing at our ISO 17025 laboratory.
4. Perform targeted or whole genome sequencing at our ISO 17025 laboratory based on the quality, quantity and type of evidentiary material based on documented, forensic evaluated and assessed data.
5. Entry and search of resulting data into Family Tree DNA and GEDmatch PRO databases to identify potential familial matches. GEDmatch PRO results are returned within 24-48 hours. Family Tree DNA results are typically returned within 3-4 weeks.
6. Issue Forensic Genealogy Screening report with laboratory work and lead genealogist's evaluation of the database results. A recommendation of how to proceed and possible challenges that may be encountered in the course of the genealogical research.
7. Conduct genealogy research and issue Forensic Genealogy Investigation report with supporting documentation, family trees and an investigative lead to progress the case.
8. Perform expedited STR confirmation of a new reference sample at our ISO 17025 accredited laboratory for direct comparison to the original STR profile generated from the evidence, if needed. Expedited turnaround times available as quickly as 24-hour turnaround time.

Following testing, evidence and any remaining DNA extracts will be maintained in secure evidence storage until a mutually agreed upon return date is established. If samples and/or extracts were consumed during testing, this will be documented in report.

Bode has thorough chain of custody procedures and COC documentation for all cases that complies with the published accreditation standards. Bode will work with the MDPS/MSFL to facilitate delivery of the samples to Bode's Virginia

laboratory. Upon submission, Bode will maintain a complete Chain of Custody (COC) for all samples starting with the unique identifier on the overnight shipping label on the shipping container. Bode has a written and secure electronic transfer record for any exchange of samples between Bode's personnel. Bode's evidence management section (EMS) is responsible for maintaining the integrity of evidence received by Bode. Bode will inspect each shipping container upon receipt and notify the MSFL by email upon discovery of any damage to the shipping container that may compromise the integrity of the evidence. All evidence will be marked with a unique case number and item number. Bode also utilizes barcodes for sample tracking. In addition, all evidence requirements are followed, including but not limited to unique identification; COC documentation; procedures to minimize loss, contamination, and/or deleterious change of evidence; secure areas for storage; and procedures for evidence sample/extract storage.

To accomplish this, Bode uses a Laboratory Information Management System (LIMS), as well as hard copy tracking, to develop and maintain the COC as well as provide detailed sample tracking. All samples have a fully documented COC record that complies with both the ANAB ISO/IEC 17025 and FBI QAS requirements to protect the samples from deleterious change or loss, and to maintain the integrity of the evidence during each transfer.

DNA Database Upload and Records Research/ Genealogy

- *Vendor must provide genealogical services to include upload of SNP profiles to GEDmatch and FamilyTree DNA and other databases that support law enforcement search.*
- *Vendor must provide utilize in-house staff to perform genealogical research; volunteers or non-staff members may not be used*
- *Vendor must provide kinship comparisons of SNP profiles that do not require upload to public or online databases*
- *Vendor must provide a direct comparison forensic report between two samples that provides details of a genetic relationship, as well as an analysis of all potential relationships, should the forensically investigative genealogy results generate a lead within the database*

We commit to providing genealogical services that include the seamless upload of SNP profiles to widely recognized databases such as GEDmatch PRO and Family Tree DNA. Our team is experienced in navigating these databases, ensuring effective utilization for investigative purposes. To maintain the highest standards of accuracy and confidentiality, our services exclusively employ highly experienced U.S. based genealogists with no volunteer assistance.

At the completion of the sequencing, the raw data file will undergo analysis to confirm the accuracy and reliability of results. The results will then be uploaded to Family Tree DNA and GEDmatch PRO databases. The resulting matches and data file will be evaluated for possible endogamy, match density and largest segment size, all of which play a factor in the downstream analysis and conclusions during the genealogy research. The match results returned from each database will be used by the genealogists to perform kinship analysis and family tree builds. Through this research and analysis, potential identities and next-of-kin will be generated and relayed to the MDL in a formal genealogy Investigation report.

Each of the genealogical databases return a list of individuals that have varying levels of matches to the unknown person. These matches are measured in and sorted by the level of shared centimorgans (a unit used to measure genetic linkage). Using this shared centimorgan (cM) value, The Shared Centimorgan Project and proprietary calculators, the genealogist is able to predict the possible relationships between the database match and the unknown person. The genealogists will draw upon this prediction for a number of different matches to build their family trees and ultimately arrive at a conclusion for the likely identity of the unknown person or identify a focused test. Bode's genealogy team has extensive genealogy

research knowledge with >95 years combined experience and is honored at the opportunity to assist the MDPS and MSFL in the identification of unresolved identities.

Bode's team has exceptional genealogy research skills and is proficient in advanced methodologies for tracing lineages and studying historical records. Each team member has demonstrated capabilities to overcome challenges including adoption, non-parental events, endogamy and pedigree collapse. The team is well-rounded with each genealogist specializing in different complexities and cultural record anomalies. Each genealogist participates in continued professional development and regularly attends conferences, workshops and certification courses. Bode's lead genealogist is one of the first Accredited Investigative Genetic Genealogists (AIGG) by the Investigative Genetic Genealogy Accreditation Board (IGGAB). Additionally, three (3) of the team members are instructors of well-known genealogy certification programs. Bode's genealogy team members belong to multiple professional organizations with two (2) genealogists being Certified Genealogists® from the Board for Certification of Genealogists®. Other professional organizations our team belongs to are Council for Advancement of Forensic Genealogy, Association of Professional Genealogists, National Genealogical Society and many state specific genealogical societies and councils.

Integrity and ethical conduct are paramount in Bode's practice. We adhere to the highest standards of genealogical research ethics, ensuring that privacy is respected, and all sensitive information is handled with care. All findings are well-documented, accurate and reliable.

Recently Bode has partnered with GEDmatch PRO database to enhance the use of forensic genetic genealogy for law enforcement investigations. This partnership leverages Bode's expertise in FIGG services and GEDmatch PRO's powerful genealogical database and tools. By combining Bode's FGS team with GEDmatch PRO's genealogical resources, the partnership enables law enforcement to solve complex cases and unknown identities more efficiently while upholding the highest standards of privacy and ethical responsibility.

With the ability to conduct short tandem repeat (STR) testing on forensic samples in accordance with ISO17025:2017 and the FBI Quality Assurance Standards, Bode is able to offer the final and critical part of the investigation by performing confirmation testing. Once a possible identity in a case is determined, investigators should obtain a reference sample to perform a direct comparison to the original evidence. Both the Department of Justice (DOJ) and the Scientific Working Group on DNA Analysis Methods (SWGDM) advise that a STR comparison should be used for the final confirmation and identity resolution rather than a SNP to SNP kinship inference. Bode offers complex kinship comparisons and expedited confirmation testing in our accredited laboratory to quickly confirm the identity of the individual. A court-ready report that includes the statistical likelihood of relatedness will be issued.

Regardless of which technology, or combination of testing technologies, is utilized, our services will deliver a direct comparison forensic report between two samples. This report will provide comprehensive details on the genetic relationship between the samples and analyze all potential relationships that may arise during the investigation. In the event of a lead generated within the database, our reports will provide an in-depth analysis of the potential relationships, offering valuable insights for law enforcement.

State- and Region-Specific Case Experience

- *Proven success generating SNP profiles and genealogical results from the extremely old, degraded skeletal material.*

Bode is honored to have helped in the identity resolution of unidentified remains and violent crime offenders utilizing STR, YSTR, mtDNA and FIGG methodologies. Bode considers a sample passing when the quality of the result is suitable for

searching in both the FamilyTreeDNA database and GEDMatch PRO database. By implementing our triaging step, we have >98% success rate for our whole genome sequencing.

Over the last seven years with the implementation of forensic genealogy services, Bode's genealogy team has assisted law enforcement agencies across the United States with more than 600 cases which included cold case rapes, homicides, and the identification of unidentified human remains. Below are a few case examples where Bode worked together with the submitting agency to identify the DNA donor:

- Serial rapist in Rankin County, Mississippi was identified with the joint efforts of many teams including that of Rankin County District Attorney's Office and Bode Technology. An aged semen sample was extracted and a SNP genotype file generated using whole genome sequencing. The SNP genotype file was uploaded to the database and subsequent genealogy research conducted. This work led to the identification of Daniel Ray Skaggs as the source of the semen in at least two sexual assaults.
- Double-homicide and rape of a young couple in 1956 in Cascade County, MT. This is the oldest serial murderer identification so far.
- Texas DPS Rangers and Phoenix Police Department paired up with Bode Technology to utilize FIGG in the identification of a late 1980s serial rapist of minors. Foreign male DNA from the clothing of a victim was sequenced and genealogy research completed to identify David Mundt in the abductions and rapes.
- The Porchlight Project to identify the human remains discovered in 2016 in New London, OH, which were concluded to belong to a young female who died in 1881. This is the oldest person on record to be identified in this way (born 1862) and employed matches 7 generations from the Most Recent Common Ancestor.
- Mesa Forensic Sciences and Bode worked together to identify The East Valley Rapist, believed to have committed at least eight rapes, three linked by DNA. This individual had Iberian Peninsula and New World ancestry and required new methodologies to solve, overcoming endogamy and CRS peculiarities.
- Portland Police Bureau and Bode paired together and utilized FIGG to identify the unknown male profile at the homicide scene of Mark Dribin. This work identified a man who was arrested and found to be in possession of a dismembered body of a 2nd missing person.
- Bode was honored to work together with the Baltimore County Police Department and the National Center for Missing and Exploited Children on the unidentified female remains known as Woodlawn Jane Doe. Our work was able to name this young woman and further the investigation into her death.
- Connecticut Department of Emergency Services and Public Protection and Bode joined together to utilize FIGG to identify two serial rapists acting in the early 1980s and early 2000s.

Documentation and Testimony

- Vendor must provide a secure, 24/7 self-service electronic system for documenting and evaluating forensic genetic genealogy test requests.

- *The vendor must be able to provide casework details including, but not limited to, chain-of custody, laboratory methods, summary report generation, and technical review documentation when needed.*
- *Vendor must be able to provide forensic reports to document all steps of the laboratory and investigative process*
- *If court testimony is needed, a separate quote will be requested and a purchase order submitted.*

As part of our FGG process, Bode implements a secure, user-friendly electronic system which is available 24/7 for documenting and evaluating test requests. This system will enable authorized users to submit, track, and manage test requests seamlessly, ensuring a streamlined and efficient process.

Our commitment to transparency extends to providing detailed information on casework, including:

1. **Chain of Custody:** We adhere to rigorous chain of custody protocols to ensure the integrity and legality of the samples throughout the testing process.
2. **Laboratory Methods:** Our testing methods adhere to industry standards and are conducted using cutting-edge technologies, as discussed herein, to ensure accuracy and reliability.
3. **Summary Report Generation:** We provide comprehensive summary reports that distill the finds of the advanced DNA and FIGG testing into a clear and understandable format.
4. **Technical Review Documentation:** All reports undergo a complete technical and administrative review prior to reporting results.

All processing, laboratory notes, communications, conclusions and report and documentation of technical review are retained and included in a case file.

Expert Witness Testimony

Bode is prepared to testify in a court of competent jurisdiction in the event that laboratory findings are referred for adjudication. If a discovery request is made prior to an appearance in court, Bode's expert witness services include the generation of discovery materials as needed, telephonic/e-mail communications to prepare for depositions or court appearances, all necessary documentation (i.e. up to date COC documents), background documents describing processing and methodology as well as commonly asked questions.

Bode has over twenty years of experience in providing expert witness testimony and other valuable litigation support, with Bode scientists testifying in cases at the federal, state, and local level, as well as in military cases. Bode scientists are recognized experts in their fields and hold advanced degrees, with the majority of Bode's casework analysts possessing experience in expert witness testimony. In total, Bode has testified as a result of serological or DNA analysis on forensic casework samples over 1,000 times. Additionally, Bode has testified in analysis methods utilized for FIGG in State of MS vs. Daniel Ray Skaggs. Bode's staff works closely with clients to ensure that the DNA results and testimony are clearly understood by the court and jury. Bode's testimony process includes the completion of an evaluation form by the client attorney for all analysts' courtroom testimony allowing attorneys an opportunity to provide feedback regarding their experience with Bode's expert witness testimony services.

All of Bode forensic casework analysts undergo moot court training prior to becoming qualified to perform forensic casework analysis; therefore, Bode has available approximately fifty-five (55) analysts who are able to testify as expert

witnesses. Combined, Bode analysts average approximately 100 court testimony appearances per year, and have received favorable reviews during the evaluation of their appearance, direct examination presentation, court demeanor, and cross-examination presentation by the responding attorney or court representative.

Additional Quality Value-Adds

In addition to meeting the required quality assurance standards, Bode has several additional quality control and quality assurance procedures in place to ensure the accuracy and reliability of testing and prevent contamination between cases. Bode tracks samples from the point of receipt through reporting using an internally developed LIMS. In addition to LIMS tracking, Bode has implemented barcode tracking of sample tubes and plates throughout the process to minimize the risk of manual transcription errors or potential sample switches. Bode has a robust quality management system including a full-time Quality Assurance Manager and a full-time Technical Leader. Bode's laboratory and quality management system are audited by external accrediting bodies at least every two years but this typically happens annually. Bode also conducts internal audits annually. On Bode's last 3 external audits, no findings or non-conformities were identified. Bode scientists also participate in external proficiency tests twice per year. For Bode's Forensic Genealogy service specifically, Bode has built in several QA/QC measures which are documented in Bode's written protocols. Examples include twice annual observation based monitoring for massively parallel sequencing processing, reporting and technical review. All samples are kept discrete through an assigned unrelated alias and privacy settings in both databases to ensure quality control over the genealogy investigation. At the completion of each phase Bode will generate a report with our findings and recommendations. All reports undergo a thorough technical and administrative review before delivery.

Technical Evaluation

- *Vendor's technical response must successfully demonstrate the capability to meet the RFP requirements. This includes providing responses documenting the ability to meet the required specifications for all services noted within this document.*
- *Vendor's professional references must include names and addresses or organizations with whom the vendor laboratory previously contracted with to provide similar services. A minimum of three (3) reference laboratories.*

Bode has provided responses to the technical questions which demonstrate our capability to meet the requirements within the RFP. Bode's references are included as **Attachment C**.

2.2.1 The Contractors shall:

- *Assign a Contractor Account Representative to work directly with the Contracting Agency Representative.*
- *All state facilities are non-smoking; the Contractor and its personnel must adhere to this requirement. The use of tobacco products is prohibited, except within designated smoking areas.*
- *It is illegal to have in one's possession any illegal drug or alcoholic beverage while on state property.*
- *The Contractor's employees should refrain from using foul, abusive, or profane language on state property.*
- *The MDPS reserves the right to inspect and search all Contractor personnel and/or vehicles anytime while on facility grounds.*
- *Contractors are required to sign-in and sign-out at most state facilities. Security provisions*

for all state facilities must be strictly observed.

- Be responsible for all damages and shall be held responsible for replacing or repairing any damage due to negligence on the part of the Contractor or Contractor personnel to any person(s) and/or property. The Contractor shall replace and repair any damage to any building or property, including but not limited to the replacement of any cracked or broken concrete (sidewalks, curbs, etc.) caused by on-site activities. Contracting Agency may withhold payment or make such deductions as deemed necessary to ensure reimbursement or replacement for loss or damage to property.
- Exercise precautions at all times for the protection of persons (including employees) and property. The Contractor shall make such investigations to enable them to fully understand the facilities, difficulties, and restrictions attending the execution of the work on-site. The project shall at all times be properly supervised and adequately manned by an experienced crew of appropriate size. All work shall be accomplished by skilled workers familiar with and trained to do this type of work. Workers shall be qualified to operate and/or use the equipment necessary to accomplish this work. The Contractor shall be responsible for the supervision and direction of the work performed by its personnel. The Contractor shall be responsible for instructing its personnel in all safety measures. All equipment used by the Contractor shall be maintained in safe operating condition at all times and be free from defects or wear that may in any way constitute a hazard to any person or persons on state property. All incidents involving agency property or personnel shall be reported to the designated agency contact immediately upon occurrence.
- Abide by all State and/or agency policies, procedures, ordinances, and/or laws pertaining to the Contracting Agency's operation at all times, including but not limited to the items listed above. Deviations from these policies by the Contractor or its personnel will not be tolerated and will be considered grounds for contract termination.
- Perform all services provided in the contract between the bidder/vendor and MDPS in accordance with customary and reasonable industry standards as well as in strict conformance to all laws, statutes, and ordinances and the applicable rules, regulations, methods and procedures of all government boards, bureaus, offices, and other agents. The Contractor shall be responsible for the complete performance of all work; for the methods, means, and equipment used; and for furnishing all materials, tools, apparatus, and property of every description used in connection therewith. No statement within this IFB shall negate compliance with any applicable governing regulation. The absence of detail specifications or the omission of detail description shall be recognized as meaning that only the best commercial practices are to prevail, and that only first quality materials and workmanship are to be used.

Bode's Account Representative on this project is Teresa Vreeland, Vice President, Forensic Genealogy Services. Bode agrees to the other requirements above.

2.2.2 The Contractors shall also:

- Administer and maintain all employment and payroll records, payroll processing, and payment of payroll checks and



taxes, including the deductions required by state, federal, and local laws such as social security and withholding taxes for their business and employees.

- *Make all unemployment compensation contributions as required by federal and state law(s) and process claims as required for their business and employees.*
- *Perform a background check and/or drug screening prior to placement if requested by the Contracting Agency and verify and/or provide the results; and,*
- *Replace immediately, at no additional expense to the Contracting Agency, any employee not performing satisfactorily.*

Bode agrees to the requirements above.

4.1.4 Minimum Qualifications to be Deemed Responsive

- *Bidder must have been in business and providing the services listed in IFB or in requirements and scale to those described in this Invitation for Bid for a minimum of one (1) year.*
- *Bidder must maintain a pool of qualified workers to fill the requests from MDPS.*
- *The bidder must provide three references that the vendor has contracts with providing the same scope of services.*

Bode has completed more than 600 forensic investigative genetic genealogy cases since late 2018 (6+ years' experience). Bode has provided STR testing since 1999, Y-STR testing since 2006, and mtDNA testing since 1998. Bode employs over 250 people, of which approximately 165 are highly skilled analysts, scientists, and technicians who develop and utilize state-of-the-art technology at Bode's Lorton, Virginia laboratory. Bode has provided three references attached hereto as Attachment C.

4.2 References

These minimum qualifications are in addition to a minimum score of six on the Reference Score Sheet (Attachment E) from reference interviews by the MS Department of Public Safety with three bidder/contractor references (for a total minimum score of eighteen), as well as all other requirements of this Invitation for Bids. (See Attachments C and E.)

References must be listed on Attachment C.

Bode understands these requirements and has listed three references on Attachment C.



ATTACHMENTS

- Bid Cover Sheet (**Attachment A**)
- Bid (**Attachment B**)
- References (**Attachment C**)
- Certifications and Assurances (**Attachment D**)

Attachment One – Accreditation and Scope