



Convicted Offender Backlog Reduction Program: Fiscal Year 2010 Awards and Abstracts

This document lists grants awarded by NIJ in 2010 under the Convicted Offender Backlog Reduction Program. The abstracts are reproduced here exactly as they were submitted by the grantee.

FY10 Convicted Offender Abstracts

This table is a summary of Convicted Offender Awards issued in FY2010. Following this table are their respective abstracts.

FY10 Recipient Name	Award Number	Award Amount
Oklahoma State Bureau of Investigation	2010-DN-BX-K022	\$550,000.00
California Department of Justice	2010-DN-BX-K023	\$473,967.00
New Hampshire Department of Safety	2010-DN-BX-K024	\$20,000.00
Mississippi Department of Public Safety	2010-DN-BX-K025	\$300,312.00
Georgia Bureau of Investigation	2010-DN-BX-K026	\$64,600.00
Maryland State Police	2010-DN-BX-K027	\$206,591.00
Las Vegas Metro Police Department	2010-DN-BX-K028	\$109,410.00
Tennessee Bureau of Investigations	2010-DN-BX-K029	\$506,527.00
Arizona Department of Public Safety	2010-DN-BX-K030	\$446,743.00
Honolulu Police Department	2010-DN-BX-K031	\$148,140.00
Delaware Health and Social Services	2010-DN-BX-K032	\$98,100.00
Vermont Department of Public Safety	2010-DN-BX-K033	\$19,153.00
Alabama Department of Forensic Sciences	2010-DN-BX-K034	\$593,807.00
Maine State Police	2010-DN-BX-K110	\$88,434.00
Wyoming Office of the Attorney General	2010-DN-BX-K133	\$64,000.00
South Dakota Office of the Attorney General	2010-DN-BX-K134	\$55,125.00
Washington State Patrol	2010-DN-BX-K135	\$242,040.00
Nebraska State Patrol	2010-DN-BX-K140	\$52,500.00
Oregon Department of State Police	2010-DN-BX-K142	\$220,000.00
North Dakota Office of the Attorney General	2010-DN-BX-K211	\$89,670.00
TOTAL FUNDING		\$4,349,119

FY10 Recipient Name: Oklahoma State Bureau of Investigation

Award Number: 2010-DN-BX-K022

Award Amount: \$550,000

Abstract: The 2009 Oklahoma legislative session expanded the number of CODIS DNA database samples submitted to the Oklahoma State Bureau of Investigation (OSBI), an increase of nearly 5 times the current number of samples collected. With the current economic situation affecting Oklahoma, no additional funding was provided to the OSBI to process these samples. In addition, in 2010 the agency budget was cut even further resulting in nearly 68% of the annualized CODIS funding being eliminated. The remaining agency funding is insufficient to process the increased number of samples anticipated, and as such, the OSBI anticipates a backlog of ~25,000 offender database samples by March 31, 2011. Since the OSBI is mandated under Oklahoma statute to process these samples, additional funding is needed to ensure this task is

fulfilled.

OSBI is requesting \$550,000 to acquire commercially available PCR kits accepted by NDIS and other laboratory supplies necessary for analysis of these additional DNA database samples. At the current cost of ~\$22.00 per sample, this requested funding will provide the means to process up to ~25,000 samples, the entire anticipated backlog of offender samples.

While it has proved extremely difficult to obtain state funding for CODIS, there can be no argument about the success obtained with each expansion of the database. The past 3 expansions have shown the number of hits obtained doubled with each new law. OSBI anticipates the same type of success with the addition of the legislative expansion this year. With this information at hand, the OSBI does not want funding to become a reason for legislators to stop pursuing their database expansion efforts. Our facilities and staff are adequately prepared to handle the increased number of samples anticipated this year, and strive to prevent a backlog of offender samples from accruing as in years past. With NIJ's help, the OSBI will be able to continue utilizing the CODIS database to its full potential, thus insuring the safety and security of the citizens of Oklahoma.

FY10 Recipient Name: California Department of Justice

Award Number: 2010-DN-BX-K023

Award Amount: \$473,967

Abstract: This narrative describes the application for funding from the Convicted Offender and/or Arrestee DNA Sample Backlog Reduction Program by the California Department of Justice Bureau of Forensic Services Jan Bashinski DNA Laboratory. The implementation of the last phase of California's initiative, Proposition 69, passed in 2004 occurred on January 1, 2009. All adult felony arrestees in California are now subject to DNA sampling. This new extension of the offender DNA database program in California is generating a significant increase in DNA sample submissions at our laboratory, estimated at approximately 315,000 samples per year. The current backlog of offender samples is approximately 45,000. Coping with this load on the laboratory will require substantial overtime work with existing staff to reduce the backlog. This application would, if the requested funding award were received, provide reagents and supplies for the semi-automated mass production processing and analysis of 30,000 backlogged offender samples; technical review permitting upload would be accomplished utilizing overtime worked by existing staff.

FY10 Recipient Name: New Hampshire Department of Safety

Award Number: 2010-DN-BX-K024

Award Amount: \$20,000

Abstract:

Project Goals and Objectives: Funding is being requested for the analysis of currently backlogged convicted offender DNA samples as well as offender samples received through March 31, 2011. By the end of the award period, the number of backlogged samples collected under our current legislation awaiting processing for DNA will be reduced, and results will be entered into CODIS in a timely manner.

Project Plans and Methods to Achieve Goals: Funding will be used for in-house analysis of offender samples. The purchase of consumables for the laboratory analysis of offender samples as well as the data analysis is being requested. Current staff will be utilized for the hands on laboratory and data analyses which will be performed. A proficiency test subscription will be purchased for an offender analyst.

FY10 Recipient Name: Mississippi Department of Public Safety

Award Number: 2010-DN-BX-K025

Award Amount: \$300,312

Abstract: The Mississippi Crime Laboratory System (MCL) operates the State of Mississippi's forensic DNA laboratory. The Mississippi Crime Laboratory System, consisting of a central full-service laboratory in Jackson and three regional laboratories, is an ASCLD accredited system that undergoes external audits once every two years. MCL is a participant in NDIS and maintains all DNA analyses under the applicable federal privacy regulations.

In 2006, the Mississippi Database consisted of approximately 3000 sexual offender profiles. Since MCL became involved in the implementation of the Mississippi All Felons DNA Databasing Project in 2007 remarkable progress has been made in expanding the database. The first phase of the project involved collecting samples from all convicted felons who were incarcerated in Mississippi. MCL supplied Buccal Swab Kits and provided sampling instruction to prison staff. In March and April of 2007 the Bioscience Section received almost 23,000 DNA samples from convicted felons and continues to receive additional samples each month. Profiles have been reviewed and entered into CODIS and NDIS. As of March 31, 2010, the Mississippi Data Base contained 39,577 profiles all of which have been uploaded.

The second phase of the project involved the collection of samples from parolees, convicted felons who were not sampled in the first collection. In February of 2009, all felon parolees were sampled adding 18,000 to the backlog of convicted offender samples to be analyzed. All of these samples are under current contracts. After convicted offender samples have been analyzed and

reviewed, they will be entered into CODIS and uploaded into NDIS. The Mississippi Data Base will then contain more than 60,000 profiles. MCL is now receiving an average of 800 samples from newly convicted felon each month. Upon the entry of convicted felons into prison, samples for DNA analysis are collected and sent to MCL. If a convicted felon is sentenced to parole, a DNA sample is collected by the parole officer and forwarded to MCL.

The objective of this proposal is to accelerate the analysis of DNA database samples collected by the state from convicted offenders in order to provide timely CODIS-compatible data for State and national DNA databases and to significantly reduce the number of DNA database samples in the backlog. The funding that MCL is requesting from the FY 2010 Convicted Offender and/or Arrestee DNA Backlog Reduction Program is critical to the continuing success of the program. The process of expanding the Mississippi DNA Database from approximately 3000 profiles to more than 60,000 profiles by March 2010 is creating a backlog of DNA database samples beyond what Mississippi has the resources to analyze and review. This project proposes to achieve the objective of the program by contracting with an accredited fee-for-service vendor to conduct DNA analyses to produce DNA profiles from the 10,080 samples anticipated to be received through March 31, 2011 and paying existing in-house employees to perform the data review. Working overtime, the qualified personnel of the MCL Bioscience staff can to perform the reviews of the anticipated 10,080 profiles which will be awaiting data review through March 31, 2011 (9600 CO samples and 480 QC samples). We are requesting \$7,992 in Overtime Wages and Fringe Benefits to compensate the staff for working overtime to review profiles. Each DNA analysis performed under this program will be maintained pursuant to all applicable Federal privacy requirements.

FY10 Recipient Name: Georgia Bureau of Investigation

Award Number: 2010-DN-BX-K026

Award Amount: \$64,600

Abstract: The Georgia Bureau of Investigation-Division of Forensic Sciences (GBI-DOFS) is responsible for the DNA analysis and data entry from samples collected from convicted felony offenders in Georgia that are incarcerated in a state facility (O.C.G.A. 24-4-60 through 24-4-65) or from offenders who are placed onto probation for certain felony offenses. Funding provided from the FY2010 Convicted Offender and/or Arrestee DNA Backlog Reduction program will be used to complete DNA analysis using the 13 core STR loci of convicted offenders samples submitted to GBI-DOFS. DNA profiles from the offenders will be entered into CODIS. The proposal requests \$64,600 of federal funding to be used for the purchase of supplies necessary to complete the analysis of approximately 3,400 offender samples currently in backlog or to be received by the lab prior to March 31, 2011. This number of samples accounts for analyses that will be funded from other sources, including previous federal awards. The sample analysis, entry of DNA profiles into CODIS, and CODIS searches will be completed by Dec 31, 2011. The

approximate cost per sample is \$19. The GBI Division of Forensic Sciences has sufficient staffing and instrumentation available to complete these analyses during the award period.

GOALS & OBJECTIVES:

1. Complete analysis of 13 core STR loci for 3,400 offender samples
 2. Enter DNA profiles into CODIS within 30 days of completion of analysis.
 3. Search CODIS, identify possible 'hits' to unsolved cases and then confirm offender DNA profiles prior to agency notification.
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FY10 Recipient Name: Maryland State Police

Award Number: 2010-DN-BX-K027

Award Amount: \$206,591

Abstract: The Maryland State Police Forensic Sciences Division (MSP-FSD) is the SDIS laboratory for the State of Maryland. As such, MSP-FSD is tasked with the creation and maintenance of the Maryland Statewide DNA Database. The Statewide DNA Database was established in 1994 with the required collection of DNA samples from those convicted of rape and sexual offenses. The pool of qualifying offenders was expanded to those convicted of qualifying crimes of violence in 1999 and then again in 2002 to those convicted of any felony and two misdemeanor crimes as well as attempts of those crimes. The latest expansion which went into effect on January 1, 2009 includes the collection of DNA samples of those arrested and charged with qualifying crimes of violence, burglary, and attempts of those crimes.

Historically, MSP-FSD has outsourced DNA Database sample analysis. The use of a contract laboratory was considered the most efficient means of analysis when the DNA Database only consisted of convicted offender samples. However, the onset of the arrestee legislation has added a new sense of urgency in regards to the turn around time required for analysis. Since there is an automatic expungement clause in the Maryland arrestee law, it is crucial that samples be analyzed as soon as possible in order to ensure at least one search in CODIS occurs prior to a potential expungement.

MSP-FSD was able to arrange a contract through NIJ that would provide a 10 day turn around time at a cost of \$32.25 per sample but is requesting funding under this solicitation in order to obtain the goal of utilizing internal operations to meet or improve on a 10 day turn around time with a cost of less than \$32.25 per sample. There are two objectives that must be met to accomplish this goal. Objective #1 is completing the validation of the internal DNA Database operations prior to the start date of this award. As MSP-FSD works to finish up prior obligations to NIJ under the FY07 Convicted Offender DNA Backlog Reduction Program; efforts are currently underway to validate the internal lab operations so that MSP-FSD can transition to internal analysis as soon as the FY07 NIJ funding is exhausted. Objective #2 is completing the analysis of 8,426 DNA Database samples during the award period at a cost of approximately

\$22.45 per sample and with a turn around time of approximately 5 days. This sample total is the projected DNA Database sample backlog as of March 31, 2011.

MSP-FSD requests \$206,591 to cover the purchase of supplies required to complete 8,426 DNA Database samples and associated administrative costs. The supplies include ABI Identifiler Direct STR amplification kits, micro-titer plates, plate seals, pipette tips for liquid handlers, an ABI 3730 capillary array, and associated ABI 3730 reagents. The in-house capabilities will allow for the potential analysis of up to 176 DNA Database samples (88 per plate) per day using a BSD600 Automated Punch, 2 Perkin Elmer MultiProbe Forensic Workstations, an ABI 9700 Thermal Cycler, a ThermoFisher Hydra Plate Stamp, an ABI 3730 Genetic Analyzer, and the Cybergenetics TrueAllele Database software.

FY10 Recipient Name: Las Vegas Metro Police Department

Award Number: 2010-DN-BX-K028

Award Amount: \$109,410

Abstract: The City of Las Vegas and the surrounding area of Clark County, Nevada have a current population in excess of 1.95 million persons, and in 2009 hosted over 3 million visitors per month. The Las Vegas Metropolitan Police Department (LVMPD) is the sole provider of forensic DNA analysis services to not only Las Vegas, but to all of southern Nevada. This service area includes the adjacent Nye, Lincoln and Esmeralda Counties with an additional population of approximately 50,000 individuals. In addition to providing a full range of forensic casework analyses, the LVMPD Forensic Laboratory also operates and administers the Southern Nevada Combined DNA Index System (CODIS). The database is a CODIS Local installation with both casework and convicted offender responsibilities. As required by Nevada Revised Statute, ordinances were passed by Clark, Nye, Lincoln and Esmeralda county governments establishing the LVMPD Forensic Laboratory as the official DNA testing laboratory and repository for all DNA specimens collected under statute from the four southern Nevada counties.

The Nevada CODIS database contains all DNA collections mandated and collected according to Nevada Revised Statute (NRS). Effective October 1, 2007, Nevada state law enacted “all felon” legislation requiring felons to submit a biological specimen to the database. This legislation, outlined in NRS 176.0916, increased the annual convicted offender specimen intake by 156% between 2007 (3,221 convicted offender specimens received) and 2008 (8,225 convicted offender specimens received). From 2008 to 2009, the number of convicted offender samples received dropped 19% (6,687 samples received in 2009). In 2009, the Las Vegas Valley experienced significant declines in most violent crime categories, including robberies (15% decline), homicides (6.9% decline), burglaries (10% decline), and auto thefts (22% decline). This drop in convicted offender specimens is most likely directly linked to the drop in crime,

since less people are facing criminal convictions.

On October 1, 2007 legislation passed requiring a biological specimen for DNA profiling from any person who has been a Registered Sex Offender since 1956, whether they reside in the state of Nevada, or are visiting a Nevada community for longer than 48 hours. The impact of this change was an additional increase in specimen intake of approximately 20% in 2008 (1,989 sex offender specimens received). The legality of this legislation was challenged by the American Civil Liberties Union in June 2008, and on October 7, 2008 a court order by the Federal District Court for Nevada declared the legislation unconstitutional. A legal decision was made by the LVMPD in November 2009 to suspend sex registrant collection and DNA processing while this order is on appeal to the 9th Circuit, but until that ruling is overturned the LVMPD cannot process or enter any additional sex registrant samples into CODIS. All other law enforcement agencies in southern Nevada have ceased sex registrant sample collection, contributing to the decline in samples taken. This situation has led to a 54% decline in the number of sex offender specimens received (915 received in 2009). If this ruling is reversed by the 9th Circuit Court of Appeals, the LVMPD could experience another increase in sex registrant sample collection. The offender backlog of the LVMPD is expected to grow by 3,126 federal funded-eligible samples through March 31, 2011. The LVMPD is requesting grant funds in the amount of \$109,410 to process these samples at the price of \$35 per sample. Funds will be used for in-house overtime and for the purchase of scalpels to cut database samples (buccal swabs) and DNAIQ kits for sample extraction.

FY10 Recipient Name: Tennessee Bureau of Investigations

Award Number: 2010-DN-BX-K029

Award Amount: \$506,527

Abstract: The Tennessee Bureau of Investigation is an ASCLD-LAB accredited state agency comprised of serology/DNA analysis facilities in Nashville, Knoxville, and Memphis. Additionally, the TBI is an approved NDIS participating laboratory, which allows for the upload of acceptable state offender DNA profiles into the FBI CODIS database. In addition to samples collected from persons convicted of a felony offense, the TBI also maintains samples from registered sex offenders and individuals arrested for certain violent felony offenses. The recent addition of the arrestee collection legislation and modifications to sex offender legislation has increased the burden on the TBI facilities thereby generating a measurable increase of acceptable profiles in its offender database and a correlative backlog of DNA samples pending analysis and/or review.

A recent analysis has indicated that by March 31, 2011 the following backlog will exist at the TBI: 16,170 samples requiring DNA analysis and 29,220 requiring DNA data review. It is the goal of the TBI to successfully upload approximately 23,000 DNA profiles to CODIS within the

18 month grant funding period.

The TBI will utilize NIJ funds to outsource convicted offender and sex offender samples to an approved, accredited fee-for-service laboratory. Solicitation of bids will be requested during summer 2010 prior to the start of the funding award period. Approximately 3,000 samples per quarter will be sent to the outsource laboratory utilizing provided NIJ funds.

The TBI will utilize NIJ funds to provide overtime to currently qualified TBI analysts to assist in the review of DNA data. Upon the launch of the award period on October 1, 2010, the TBI will begin review of pending samples. By December 2010, the TBI is projected to have completed data review of 4,000 profiles; approximately 4,000 samples will be reviewed each quarter thereafter.

The TBI participation in the 2010 Convicted Offender and/or Arrestee DNA Backlog Reduction Program will provide the necessary resources to allow for expedited data analysis and review. Immediate implementation of the proposed project plan will allow the TBI to successfully meet its proposed goal of outsourcing over 16,000 samples to an accredited laboratory for analysis followed by a thorough data review of samples within 90 days of receipt from the outsource laboratory ultimately generating 23,000 samples uploaded to CODIS by the completion of the grant funding cycle on March 31, 2012.

FY10 Recipient Name: Arizona Department of Public Safety

Award Number: 2010-DN-BX-K030

Award Amount: \$446,743

Abstract: The Arizona Department of Public Safety is seeking grant funding to allow the STR analysis of backlogged convicted offender and arrestee DNA samples collected pursuant to Arizona Revised Statute 13-610 so that the resulting DNA profiles can be entered into the State and national DNA databases as expeditiously as possible. Funds will be used to outsource the analysis of approximately 14,000 samples to an accredited fee-for-service laboratory at a rate not to exceed \$35.00 per sample analyzed. Additional funds will also be sought for the data review of sample profiles generated by the fee-for-service laboratory at a rate not to exceed \$5.00 per DNA profile reviewed. All profiles obtained through this funding will be entered into the Combined DNA Index System (CODIS) within 90 days of completion of analysis and uploaded to the National DNA Index System. The Arizona Department of Public Safety will track and report the number of DNA database samples analyzed, the number of profiles reviewed, and the number of resulting CODIS hits.

FY10 Recipient Name: Honolulu Police Department

Award Number: 2010-DN-BX-K031

Award Amount: \$148,140

Abstract: Forensic laboratories across the nation would agree that personnel shortages have the biggest impact on the ability of a laboratory to provide timely and efficient services. Demand for forensic services has increased dramatically but scientific staffing has not kept pace with that demand. The Honolulu Police Department's Forensic Biology Unit is not unique in this regard. A shortage of staffing has directly resulted in a backlog of the State of Hawaii's convicted offender deoxyribonucleic acid (DNA) samples.

The Forensic Biology Unit's goal is to significantly reduce the backlog of convicted offender DNA samples awaiting processing. To accomplish this goal, we are seeking funding in the amount of \$148,140 for Identifiler kits and one Criminalist position to process 4,320 convicted offender samples in-house.

FY10 Recipient Name: Delaware Health and Social Services

Award Number: 2010-DN-BX-K032

Award Amount: \$98,100

Abstract: The DNA Unit of the Delaware Office of the Chief Medical Examiner (OCME) seeks \$109,375.00 to analyze 3125 Convicted Offender samples. The budget associated with the Fiscal Year 2010 Convicted Offender and/or Arrestee DNA Backlog Reduction Program (In-House Analysis and Data Review) Solicitation will be used to purchase Bode Buccal DNA Collectors, TM Qiagen® QIASymphony® DNA Investigator Kits, and Promega PowerPlex 16 PCR Amplification Kits. The OCME proposes to reduce the estimated number of convicted felon samples awaiting DNA analysis as of March 31, 2011. The goal of the OCME is to eliminate the backlog of convicted offender samples awaiting DNA analysis by the end of the award period. The OCME plans to analyze 3954 Convicted Offender samples by March 31, 2012.

The OCME will accomplish this goal by meeting the following objectives:

1. Analysis of backlogged Convicted Offender samples will begin in-house within sixty days of receipt of notification of the award by NIJ.
 2. Analysis of 3125 Convicted Offender samples will be completed by the end of the award period. The samples will be analyzed in batches consisting of 90 Convicted Offender samples, known control, reagent blank, positive control and negative control (for a total of 96 samples per batch).
 3. The DNA profiles obtained from the 3125 Convicted Offender samples will be entered into CODIS within 90 days of completion of analysis and uploaded to the National DNA Index System (NDIS).
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FY10 Recipient Name: Vermont Department of Public Safety

Award Number: 2010-DN-BX-K033

Award Amount: \$19,153

Abstract: The Vermont Forensic Laboratory (VFL) has reduced the convicted offender sample backlog with the help of NIJ funding to our In-House program. The anticipated backlog existing or expected by March 31, 2011 will be 555 convicted offender samples. This number of samples represents the number of samples received from April 1, 2010 and estimated to be received by the end of March 2011 minus the samples received during this time frame which will be processed using remaining funds from the 2009 grant. With NIJ funding for supplies, and overtime this backlog can be eliminated within the grant period. We have made use of automation in the set up of samples that has allowed processing in the plate format. This grant application requests funds for supplies for extraction, quantification and DNA typing kits and capillary electrophoresis supplies. Overtime is requested for processing failed samples by casework staff and to ensure timely analysis on the capillary electrophoresis unit.

FY10 Recipient Name: Alabama Department of Forensic Sciences

Award Number: 2010-DN-BX-K034

Award Amount: \$593,807

Abstract: The Alabama Department of Forensic Sciences (ADFS) is respectfully requesting federal assistance in reducing the number of convicted offender and arrestee DNA samples awaiting testing within the State of Alabama. The Alabama Department of Forensic Sciences is a well established Crime Laboratory system with a 75 year history of service to the citizens of the State of Alabama. ADFS is a state level government agency, and is the only forensic science system present within the State of Alabama. The Department of Forensic Sciences' DNA Databank is requesting federal assistance as its' responsibility to the citizens of Alabama is scheduled to increase dramatically with the implementation of an arrestee DNA collection statute that allows for DNA samples to be collected from 'all felony arrestees' and goes into effect on September 30, 2010.

ADFS' past successes with NIJ Grant initiatives focused, in part, on reducing backlogs while building the capacity and infrastructure of the Databank laboratory. This past performance serves as an excellent predictor of the future success of the ADFS in this initiative as this proposal utilizes the increased capacity to its maximum benefit to insure the timely and cost effective analysis of offender and arrestee samples. The Project Goals will be achieved through efficient analytical testing utilizing Alabama's high throughput and robotic equipment, as well as offsetting some of the Personnel costs by Federally funded overtime hours to insure the maximum number of offender samples are tested and entered into NDIS in the most timely manner.

Alabama is in urgent need of Federal assistance as a result of two independent yet significant events. First, the Department of Forensic Sciences' has seen a drastic twenty two percent (22%) reduction in the last 24 months to its State level funding for forensic services, severely impacting the Agencies' ability to continue to provide timely scientific analyses to the Justice system. Additionally, the enacted legislation set to go into effect on September 30, 2010 will dramatically increase the number of samples awaiting testing as Alabama begins collecting DNA samples from individuals at the point of 'any felony arrest'. The combination of these two events is a clear and defined need for Federal assistance to insure the timely analysis, review, entry and upload of offender and arrestee DNA samples to the National DNA Index System (NDIS).

The Goals of this grant initiative are to: (1) rapidly accelerate the high throughput analysis of 16,760 convicted offender and arrestee samples (including quality control samples) within the State of Alabama; (2) import the resulting data into CODIS and upload to NDIS within 90 days of the completion of analysis for searching on the 13 core STR loci in the State and National Databases; and (3) insure that each analysis conducted under this program is maintained pursuant to all applicable Federal privacy requirements, including those described in 42 U.S.C. § 14132(b)(3).

The Alabama Department of Forensic Sciences proposes to achieve each of these Goals based upon a precise and comprehensive cost of \$35.43 per sample – to include the costs associated with the analysis, review and upload to NDIS.

The receipt of NIJ funding will significantly improve the State of Alabama's ability to quickly identify perpetrators and resolve many serious crimes throughout the United States, thereby making a profound impact upon the judicial system, capitalizing on the true potential of CODIS, and maximizing the impact of Federal funding.

FY10 Recipient Name: Maine State Police

Award Number: 2010-DN-BX-K110

Award Amount: \$88,434

Abstract: The Maine State Police Crime Laboratory is a full service crime laboratory providing free services to all local, county, state and federal law enforcement agencies in the State of Maine. The laboratory is accredited in the areas of trace evidence, latent prints, firearms/toolmarks and forensic biology (DNA). It is the only accredited crime laboratory conducting DNA Analysis in the State of Maine.

The laboratory successfully participates in the CODIS program. The laboratory receives approximately 1920 Convicted Offender samples per year for DNA profiling and entry into CODIS. A backlog of 5423 convicted offender samples exists at time of application. It is

anticipated that 1920 samples will be received between now and March 31, 2011 (an average of 160 CO samples are submitted monthly). Currently, the Laboratory uses federally funded outsourcing and the 2008 Convicted Offender DNA Backlog Reduction Program to assist with the backlog of samples. 1616 samples are expected to be completed by the end of September 2010 by a contract outsourcing laboratory. The Maine State Police Crime Laboratory will process 3151 more samples funded under the 2008 Convicted Offender DNA Backlog Reduction program. Based on these numbers, The Maine state Police Crime Laboratory anticipates a Convicted Offender sample backlog of approximately 2576 that will be eligible for the current 2010 grant.

Current DNA unit staff will be used to conduct the 1616 reviews of outsourced samples prior to September 1, 2010. These samples have already been submitted and 200 have been returned for review. Current DNA unit staff will complete the 3151 samples in our backlog already committed under the 2008 Convicted Offender and/or Arrestee Backlog Reduction Program. These will be downloaded into CODIS by September 1, 2010.

Utilizing past NIJ DNA Capacity Enhancement grants, the Maine State Police Crime Laboratory has been able to substantially increase the DNA unit's capacity. The State of Maine has also recently dedicated state funding to hire a part time Forensic Chemist (CODIS) Technician. This veteran technician has already been hired. The Maine State Police Crime Laboratory has also renovated the laboratory to create a fully equipped CODIS unit in an area in the building separate from the forensic DNA unit.

To complete our plan to significantly reduce the convicted offender backlog, we intend to use the funding from the 2010 Convicted Offender Grant to employ one part time Forensic DNA Analyst for 18 months. This analyst is currently under the 2008 Convicted Offender and/or Arrestee Backlog Reduction Program. The individual will be fully dedicated to the Convicted Offender program for another 18 months working side by side with the new technician in the new unit. This analyst will also review the samples that return from outsourcing.

FY10 Recipient Name: Wyoming Office of the Attorney General

Award Number: 2010-DN-BX-K133

Award Amount: \$64,000

Abstract: The Wyoming State Crime Laboratory (WSCL) is located in Cheyenne, Wyoming, and is the only full service forensic laboratory in the state which provides examinations in Chemistry, Biology, Firearms/Tool marks, Latent Prints/Questioned Documents and Trace. The fundamental mission of the laboratory is to provide, in a timely manner, a full range of forensic services to all local, state and federal law enforcement agencies throughout the state.

Wyoming State Statutes W.S. 7-19-401 through 7-19-406 calls for the establishment and

administration of a Wyoming State DNA Database and for participation in the NDIS. Historically the WSCL has outsourced offender samples to private laboratories using funding from the NIJ.

The Wyoming State Legislature has passed a bill which will fund the construction of a state laboratory building complex in Cheyenne Wyoming. This building complex includes over one thousand square feet of space dedicated to CODIS laboratory and CODIS administrative functions. The move in date for this facility is scheduled for November 2010. There is currently no equipment or laboratory space at the WSCL dedicated for CODIS sample profiling. The WSCL has recently upgraded its forensic DNA laboratory with one AB 3130 and one AB 310 instrument. The project plan is to use these instruments to process offender samples until dedicated equipment can be obtained. The methodology used will be an automated bead based DNA extraction, followed by PCR amplification using the AB Identifiler kit. The samples will be analyzed on a 3130 CE platform.

The WSCL currently has approximately 1800 offender samples awaiting DNA analysis, and anticipates receiving approximately 1500 additional samples by March 31, 2011. Of these 3300 samples, 1700 have been previously identified for completion under the FY 2009 Convicted Offender and/or Arrestee DNA Backlog Reduction Program. The WSCL requests funding for the estimated 1600 Offender sample backlog anticipated by March 31, 2011.

This projects goal and objective is to reduce the backlog of Offender samples using NIJ funding through this solicitation. The federal funding will be used for DNA staff overtime and for necessary supplies. The staff overtime will allow for in-house DNA analysis, data review and profile upload of the estimated 1600 sample backlog. The supplies will be used for the DNA extraction and STR analysis of the estimated 1600 sample backlog. We do not anticipate sending any samples to accredited fee-for-service laboratories for analysis.

The total requested funding for an estimated 1600 sample backlog is \$64,000.00. 1600 samples multiplied by \$40.00 per sample equals \$64,000.00.

FY10 Recipient Name: South Dakota Office of the Attorney General

Award Number: 2010-DN-BX-K134

Award Amount: \$55,125

Abstract: The project objective is to eliminate the number of DNA database samples waiting for analysis by sending the samples to an accredited fee-for-service (vendor) laboratory. Currently we have 350 samples awaiting analysis and have FY2009 Convicted Offender and/or Arrestee DNA Backlog Reduction Program grant funds to pay for approximately 2630 more samples. We anticipate receiving (and shipping shortly thereafter) those 2630 samples by December 31, 2010.

We anticipate receiving approximately 1500 samples between December 1, 2010 and March 31, 2011. Approximately 75 QC samples would be needed for a total of 1575 offender and QC samples. Based on previous experience with our current vendor lab, we would anticipate a reporting rate of between 500-1000 samples per month. Based on that previous sample reporting rate, the contract could be completed within 60 days of the final (April 2011) sample shipment.

FY10 Recipient Name: Washington State Patrol

Award Number: 2010-DN-BX-K135

Award Amount: \$242,040

Abstract: The WSP CODIS Laboratory has an established, high-throughput system and appropriate staffing levels for the STR typing of convicted offender DNA samples. Assuming no backlog, samples received in a given month can be expected to be accessioned, analyzed, and entered into CODIS within 90 days of receipt. The WSP CODIS Laboratory is funded out of a DNA Database account that is expected to have an increased demand on its resources due to a state budget shortfall. The inability to purchase the necessary consumable supplies such as quantification and amplification kits, gloves, pipette tips, etc. would cause an increase in the turn-around time for received samples and a subsequent backlog. Federal funds are being requested for samples expected to be received between October 1, 2010 and March 31, 2011 to include 5% random-reanalysis QC samples (~8,663 total samples). Through the successful partnership of state and federal funding, the WSP CODIS Laboratory anticipates that sufficient resources will be available to prevent a backlog of samples and to ensure that CODIS hits are produced as quickly as possible. If approved, funds received under this solicitation from the National Institute of Justice will be used to purchase laboratory supplies (e.g. amplification and quantitation kits, consumables used for the robots and CEs, gloves, etc.) to complete DNA analysis on 8,663 convicted offender DNA samples received between October 2010 and March 2011.

FY10 Recipient Name: Nebraska State Patrol

Award Number: 2010-DN-BX-K140

Award Amount: \$52,500

Abstract: The Nebraska State Patrol Crime Laboratory will be experiencing an unprecedented 2500% increase in the number of convicted offender DNA samples by March 31, 2011. The increase is due to the recent passage of Legislative Bill 190 which amended state statute to require all felons to submit DNA database samples for data banking purposes. The purpose of this proposal is to reduce the time required to review and upload convicted offender DNA sample data into the National DNA Index System (NDIS). \$52,500 in funding provided by the National Institute of Justice is requested.

The Nebraska State Patrol Crime Laboratory has submitted a request for 10,500 samples to be included in the Contract Laboratory Outsourcing Program. However, that program will not provide for assistance with the sample submittal and subsequent data review process. This application addresses the Nebraska State Patrol's lack of personnel resources to administratively handle this one time influx of over 13,000 samples. Without this funding, the review of DNA database samples would be backlogged. This backlog could hinder meeting the requirement to upload data into NDIS within 90 day.

The Nebraska State Patrol is a unit of state government with an existing ASCLD/LAB accredited crime laboratory. The Nebraska State Patrol Crime Laboratory undergoes annual DNA audits, including an external DNA audit every two years. The Nebraska State Patrol Crime Laboratory is a participant in the National DNA Index System (NDIS). Each DNA analysis reviewed under this program will be maintained pursuant to all applicable Federal privacy requirements, including those described in 42 U.S.C. §14132(b)(3).

To accomplish program goals, objectives and performance measures have been established. The following information details the Nebraska State Patrol Crime Laboratory Convicted Offender program.

Objective 1: to reduce the backlog of convicted offender DNA samples by accelerating the data review of convicted offender DNA database samples and the upload of convicted offender sample data into NDIS.

Performance Measure: Reduce the convicted offender DNA backlog from 13,000 samples to approximately 650 samples for a 95% reduction in sample backlog.

Performance Measure: Increase the number of CODIS hits resulting from the upload of convicted offender DNA sample profiles.

Project funds will be dedicated to the performance of two tasks that will be undertaken to enable the successful completion of this project. Those tasks are: 1) provide overtime for the forensic scientist who is directly engaged in the data review of DNA database profiles generated by an accredited fee-for-service laboratory as provided through the Contract Laboratory Outsourcing Program and 2) to hire a laboratory technician to assist with the receipt of databank samples, prep of the samples for outsourcing and receipt and prep of the data for review by the databank analyst.

When complete, the outcome of this program will be a measurable reduction in the Nebraska State Patrol Crime Laboratory's backlog of convicted offender DNA samples and an expected increase in the number of CODIS hits resulting from the upload of those samples.

FY10 Recipient Name: Oregon Department of State Police

Award Number: 2010-DN-BX-K142

Award Amount: \$220,000

Abstract: The scope of this proposal is to reduce the convicted offender sample backlog and provide dedicated full time staff for the in-house processing and analysis of our convicted offender (CO) samples. Support of this proposal will assist the Oregon State Police Forensic Services Division DNA unit with reducing the convicted offender sample backlog, and maintaining the number of backlogged samples at a minimum. Since 2002, convicted offender samples have been processed and analyzed by off-site contract laboratories with minimal samples processed in-house. This was due to limited dedicated space, and lack of resources to support personnel, equipment and supplies. Three years ago, our convicted offender DNA sample backlog had increased by almost 26,000 samples. Beginning in 2008 we received State support to process 13,000 samples off-site at a contract lab. In addition, NIJ grant funding was acquired to process an additional 13,000 samples. Our goal was to reduce the backlog to a manageable level by the start of the 09-11 biennium. We achieved this goal in June 2009; all samples had been processed reducing the backlog to zero. Our next goal and plan for the 2009-2011 biennium was to complete renovations of our DNA unit to provide dedicated space and to obtain the necessary equipment for sample processing in-house. Because of the economic downturn, the renovation plan was slowed. However, we anticipate completion of this renovation by the end of June 2010. Therefore, beginning in July 2010, we will have capacity, (i.e., dedicated space and equipment) to reinitiate CODIS sample processing and analysis in-house. Our final goal is to obtain sufficient staffing levels to sustain our CODIS program. We currently have two DNA forensic scientists dedicated to working CODIS samples full time. We have estimated that three FTE's would be sufficient to maintain a minimal backlog and process the number of samples received on a monthly basis. Thus, we will hire a full time Forensic Scientist (FS) in July 2010 for the in-house processing and analysis of CODIS samples. The first three months of this position will be funded using the FY2009 CODIS grant.

Support of this proposal will assist us with meeting the following objectives. 1.) Re-initiate the full time processing and analysis of convicted offender samples in-house, through continued support of a FS position, 2.) provide overtime for the processing, analysis and review of CODIS samples to reduce the backlog to a manageable level and 3.) provide funds for the purchase of supplies needed for the processing of these samples.

PROJECT DESIGN AND METHODOLOGY:

To meet the stated objectives and achieve the scope of this proposal will require funding for one full time DNA forensic scientist, overtime and supplies.

1) Currently, the Forensic Services Division DNA unit receives on average 870 convicted offender samples per month. Our current convicted offender sample backlog is approximately 4790 samples. Therefore, by March 2011 we anticipate having approximately 14,360 samples to

process. However, ~7000 of these samples will be worked to satisfy our 2008 and 2009 CODIS grant obligations. Thus, we will have ~7360 samples to be processed by the new DNA Forensic Scientist supported by this grant.

2) We will use overtime for the processing and analysis CODIS samples to reduce the backlog to a manageable level and for the review of data.

3) In addition, we will purchase sufficient supplies (e.g., PCR Identifiler kits, pipette tips, gloves, capillary arrays, tubes, etc.) for one full time DNA Forensic Scientist for the in-house processing and analysis of samples.

FY10 Recipient Name: North Dakota Office of the Attorney General

Award Number: 2010-DN-BX-K211

Award Amount: \$89,670

Abstract:

A. Agency: North Dakota Office of Attorney General, Crime Laboratory Division
Jurisdiction: North Dakota
NDIS Statement: The North Dakota Office of Attorney General, Crime Laboratory Division is a participant and is in good standing with NDIS

B. Project Title: FY 10 Convicted Offender and/or Arrestee Backlog Reduction Program – North Dakota

C. Project Period: 10/01/2010 to 03/31/2012

D. Amount Requested: \$89,670

E. Brief Description of Proposed Project:

The primary goal of the Convicted Offender and/or Arrestee Backlog Reduction Program is to reduce the backlog of Convicted Offender and/or Arrestee Samples this will be accomplished by completing two objectives:

Objective 1: The DNA section of the crime laboratory will process at least 2,562 offender samples (including QA/QC samples) with the funding available.

Objective 2: After data is analyzed the profiles will be expeditiously be uploaded to the Combined DNA Index System (CODIS).

F. Overall Objective(s): The primary goal of the Convicted Offender and/or Arrestee Backlog Reduction Program is to reduce the backlog of convicted offender and/or arrestee samples.
