

**PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY**

**Meeting Date: March 11, 2008**

**[ x ] Consent**

**[ ] Regular**

**[ ] Ordinance**

**[ ] Public Hearing**

**Department:**

**Submitted By:** Palm Beach County Sheriff's Office

**Submitted For:** Palm Beach County Sheriff's Office

## I. EXECUTIVE BRIEF

**Motion and Title: Staff recommends motion to: A) Accept** a Florida Department of Law Enforcement Florida Consortium “2007 Paul Coverdell National Forensic Sciences Improvement Grant” in the amount of \$43,701 for the period of October 1, 2007 through September 30, 2008; **B) Approve** a budget amendment in the amount of \$43,701 in the Sheriff’s Grant Fund.

**Summary:** The National Institute of Justice (NIJ) awarded these funds to the Florida Department of Law Enforcement (FDLE) for the “2007 Paul Coverdell National Forensic Sciences Improvement Grant”. On January 2, 2008, the Palm Beach County Sheriff’s Office (PBSO) was awarded funds to improve the quality of forensic services. The PBSO’s Technical Services Division will use the funds provided for training. There is no match requirement associated with this award. No additional positions are needed and no additional County funds are required. Countywide (DW)

**Background and Justification:** FDLE's network of crime laboratories, in partnership with the five county laboratories (Miami-Dade, Broward, Palm Beach, Pinellas and Indian River) and the Medical Examiner's Offices, through the support of the Medical Examiner's Commission (MEC), have identified needs which will enhance their facilities to increase productivity by decreasing turnaround times. Each laboratory or office has identified its specific needs with the overall goal of lower turn around times. Because of the differences in services offered and service area, the needs of each of the laboratories are different. The technical services division of the Palm Beach County Sheriff's Office presented a proposal to NIJ entitled "2007 Paul Coverdell National Forensic Sciences Improvement Grant". The Catalog of Federal Domestic Assistance (CFDA) number is 16.742 and the grant number is 2007-CD-BX-0002.

**Attachments:**

1. Budget Amendment
2. Award Letter
3. Application

RECOMMENDED BY:

DEPARTMENT DIRECTOR

2/14/08  
DATE

APPROVED BY:

ASSISTANT COUNTY ADMINISTRATOR

2/21/08  
DATE

## II. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

Fiscal Years	2008	2009	2010	2011	2012
Capital Expenditures	0				
Operating Costs	\$43,701				
External Revenues	(\$43,701)				
Program Income					
(County)					
In-Kind Match (County)	0				
Net Fiscal Impact	0				
# Additional FTE					
Positions	0				
(Cumulative)					

Is Item Included in Current Budget: YES \_\_\_\_\_ NO X

Budget Account No.: Fund 1152 Agency 160 Org 2122 Object 3129

Reporting Category \_\_\_\_\_

### B. Recommended Sources of Funds / Summary of Fiscal Impact:

The FY 2007 Paul Coverdell grant is funded through the Florida Department of Law Enforcement. There is no match requirement associated with this award. No additional positions are needed and no additional County funds are required.

FY 2007 Paul Coverdell Grant	<u>\$43,701</u>
Total Program Budget	<u>\$43,701</u>

## III. REVIEW COMMENTS

### A. OFMB Fiscal and/or Contract Administration Comments:

<u>atwillhite 2-20-08</u> OFMB on 2/19/08	<u>[Signature]</u> Contract Administration 2/24/08
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### B. Legal Sufficiency:

[Signature] 2/20/08  
Assistant County Attorney

This item complies with current  
County policies.

### C. Other Department Review:

\_\_\_\_\_  
Department Director

This summary is not to be used as a basis for payment.

08-

0516

BOARD OF COUNTY COMMISSIONERS  
PALM BEACH COUNTY, FLORIDA  
BUDGET AMENDMENT

Page 1 of 1

FUND 1152 - Sheriff's Grants Fund

Use this form to provide budget for items not anticipated in the budget.

ACCT.NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED	REMAINING BALANCE
<b>Revenues</b>								
FY 2007 Paul Coverdell 160-2122-3129	Federal Grant - Other Public Safety	0	0	43,701		43,701		
<b><u>TOTAL REVENUES</u></b>		<b>0</b>	<b>\$2,782,843</b>	<b>\$43,701</b>	<b>\$0</b>	<b>\$2,826,544</b>		
<b>Expenditures</b>								
FY 2007 Paul Coverdell 160-2122-9498	Transfer to Sheriff's Fund	0	0	43,701		43,701		
<b><u>TOTAL EXPENDITURES</u></b>		<b>0</b>	<b>\$2,782,843</b>	<b>\$43,701</b>	<b>\$0</b>	<b>\$2,826,544</b>		

Palm Beach County Sheriff's Office

INITIATING DEPARTMENT/DIVISION

Administration/Budget Department Approval

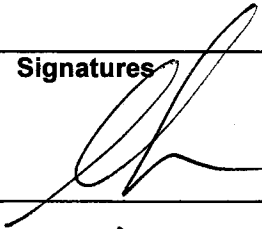

OFMB Department - Posted

Signatures

Date

By Board of County Commissioners  
At Meeting of March 11, 2008

Deputy Clerk to the  
Board of County Commissioners

 2/14/08  
 2-20-08



Florida Department of  
Law Enforcement

Gerald M. Bailey  
*Commissioner*

**Criminal Investigations  
and Forensic Science Program**  
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Charlie Crist, *Governor*  
Bill McCollum, *Attorney General*  
Alex Sink, *Chief Financial Officer*  
Charles H. Bronson, *Commissioner of Agriculture*

January 2, 2008

Mr. Benjamin Perillo, Director  
Palm Beach County Sheriff's Office Crime Laboratory  
3228 Gun Club Road  
West Palm Beach, Florida 33406

Dear Mr. Perillo:

We are pleased to inform you that the grant application entitled "2007 Paul Coverdell Forensic Sciences Improvement Grant" number 2007-CD-BX-0002" has been approved by the National Institute of Justice in the amount of \$685,085.

Palm Beach County Sheriff's Office's portion of this grant is \$43,701. Enclosed you will find a copy of NIJ's award notification; a copy of the submitted grant; your expenditure list; and the reimbursement forms. Reimbursement requests for this grant may be submitted on a monthly basis. Please return the reimbursement forms and support documentation to Patricia Kent, Government Analyst I, Florida Department of Law Enforcement, Investigations and Forensic Science Program, Office of Policy and Planning, 2331 Phillips Road, Room 3013-A, Tallahassee, Florida 32308.

If you have any questions pertaining to this award, please contact Patricia Kent at (850) 410-8339 or by email [patriciakent@fdle.state.fl.us](mailto:patriciakent@fdle.state.fl.us).

Sincerely,



Barry C. Hunch  
Forensic Services Director

BCF/pk

Enclosures

***Paul Coverdell Forensic Science Improvement Grant Program (FY 2007)***

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▪ **PROPOSAL ABSTRACT**

**PROJECT DESCRIPTION**

Florida is home to more than 18 million people and is the second fastest growing state in the nation. The State also attracted more than 84.6 million visitors in 2006, an increase of 1.2% over 2005, making Florida the top tourist destination in the world. The steady increase in the number of residents and visitors contributed to the 1.4% increase in reported crime for 2006, which, in turn, contributed to an increase in demand for forensic services statewide. Better case management, streamlined processing, and increased case work capacity have helped laboratories to reduce backlogs in some disciplines and slow the growth of backlogs in other disciplines, but large backlogs still exist in the laboratory system statewide. Funds from the Paul Coverdell Forensic Science Improvement Grant will help state and local laboratories and Florida's medical examiners continue to streamline and enhance processes through the purchase of equipment and supplies to expedite and support case work to increase output capacity, maintenance of discipline proficiency through training, and support for laboratories to transition from ASCLD-LAB to international quality standards. This funding will contribute to greater efficiencies in processing, which will increase case work capacity and help laboratories to reduce backlogged case work. Backlog reduction will, in turn, reduce turnaround times and increase the value of forensic service to Florida's criminal justice community.

**PROJECT GOALS AND OBJECTIVES**

1. Reduce analysis time for cases submitted to state and county/municipal crime laboratories

2. Reduce backlogs in the analysis of forensic science evidence, targeting the areas of controlled substances, firearm examinations, latent prints, toxicology, questioned documents, and trace evidence.
3. Train forensic laboratory personnel as needed to eliminate backlogs.

**PROJECT PLAN**

FDLE's network of crime laboratories in partnership with the five municipal and county laboratories (Miami-Dade, Broward, Palm Beach, Pinellas and Indian River) and the Medical Examiner's Offices, through the Medical Examiner's Commission (MEC), have agreed upon a distribution methodology that provides a base amount of funding to Florida's Medical Examiners who wish to participate in the grant opportunity. Remaining funds will be distributed to the state and local crime laboratories on the basis of population served. The state share of funds will be further distributed between the FDLE crime laboratory system and the Florida State Fire Marshal Florida Department of Financial Services, Bureau of Forensic Fire and Explosives Analysis based on percentage of service requests.

<b>2007 Paul Coverdell Allocations</b>			
	<b>Population</b>	<b>% of Total</b>	<b>\$ Amount</b>
FDLE			367,710
State Fire Marshal			19,353
<b>Total State Lab</b>	11,346,971	62.0%	<b>387,064</b>
Miami-Dade	2,437,022	13.0%	81,158
Broward	1,753,162	10.0%	62,430
Palm Beach	1,287,987	7.0%	43,701
Pinellas	948,102	5.0%	31,215
19th Circuit	575,888	3.0%	18,729
<b>Total Local Lab</b>	<b>237,232</b>		
<b>Total ME</b>	<b>60,789</b>		
<b>Total</b>	<b>18,349,132</b>	<b>100.0%</b>	<b>685,085</b>

Participating laboratories and offices identified the need for travel funds, equipment, supplies, and contracting fees to assist in streamlining processes and increasing the efficiency and capacity for forensic analysis in the laboratories, ultimately contributing to improved turnaround times for forensic and medical examiner services in Florida.

## **PROGRAM NARRATIVE**

### **OVERVIEW**

According to 2005 Uniform Crime Report (UCR) statistics, one index crime was reported in Florida every 38 seconds – 838,063 total index crimes were reported in 2005. Although 2006 statistics have not yet been released, preliminary numbers show that reported crime in Florida increased by 1.4% in 2006, reversing a more than ten-year trend in declining crime statistics. This increase in volume of crime, along with increased forensic capabilities resulting from advances in technology, have contributed to a growth in demand for crime laboratory services statewide which has outpaced the laboratories' capacity to analyze case work. The gap between demand for services and case work capacity has produced an unacceptable backlog of pending cases throughout Florida's laboratory system. Pending cases represent delays in forensic response to criminal justice contributors which potentially impact the overall efficiency of the criminal justice system.

Funds from the Paul Coverdell Forensic Science Improvement (formula) Grants Program are requested to help state and local crime laboratories and Florida's medical examiners improve forensic services by enhancing and upgrading forensic equipment to increase case work capacity, enhancing automation to streamline processing, and



providing costly and critical forensic supplies needed to complete casework. Funds are also requested for travel and training for Florida's scientist to help maintain proficiencies in their disciplines. Funding from this grant will also support training needed to transition from current ASCLD-LAB accreditation to the new international laboratory standards (ISO). These improvements are expected to help state and local laboratories and medical examiners increase their capacity for case work which will help to reduce the backlog of pending case work and improve turnaround time for criminal justice contributors. Florida's Office of the Auditor General has an appropriate process in place to conduct independent external investigations into allegations of serious negligence or misconduct substantially affecting the integrity of the forensic results committed by employees or contractors of any forensic laboratory system, medical examiner's office, coroner's office, law enforcement storage facility, or medically facility in the State that will receive a portion of the grant amount.

#### **PROJECT METHODOLOGY**

The State of Florida's crime laboratory system is comprised of seven state laboratories and five county laboratories that service the forensic needs of more than 500 criminal justice agencies and 18 million people who live in Florida. Forensic services provided to criminal justice contributors include: chemistry, latent prints, firearms, toxicology, digital evidence, trace evidence, crime scene investigation, and biology/DNA. All laboratories in Florida's crime laboratory system are nationally accredited by the American Society of Crime Laboratory Directors-Laboratory Accreditation Board (ASCLD-LAB). In addition to these laboratories, Florida's State Fire

Marshal offers forensic arson and explosives analytical services to criminal justice agencies throughout the State.

These laboratories have formed a partnership, the Florida Forensic Advisory Council (FFAC), to provide a forum for the discussion of issues and formulation of unified recommendations pertaining to forensic policy, training, and legislation in Florida. There are also twenty-four District Medical Examiner Offices in Florida. They are governed by the Florida Medical Examiner Commission (MEC), which was created by Florida Statute and is staffed by the Florida Department of Law Enforcement.

Representatives of the FFAC and MEC unanimously agreed that a base amount of funds from the Paul Coverdell Forensic Science Improvement Grants (formula) Program will be allocated to the Florida Medical Examiners with distribution coordinated through the MEC. The remainder of funds will be distributed to the State and Local Crime Laboratories on the basis of population served. The State share of funds (62%) will be allocated between the FDLE crime laboratory system (95%) and the State Fire Marshal (5%) based on proportion of workload. It is estimated that arson represents approximately 5% of the total number of incoming service requests received by state laboratories. The following chart shows the distribution of funds to state and local laboratories and the Medical Examiner's Offices:

<b>2007 Paul Coverdell Allocations</b>			
	<b>Population</b>	<b>% of Total</b>	<b>\$ Amount</b>
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Agencies receiving funds from this grant have evaluated their needs and targeted their requested funds to maximize improvements in forensic capabilities and infrastructure within their jurisdictions.

#### **MEDICAL EXAMINERS**

**Florida Medical Examiners** - Seven (Districts 4, 6, 7, 9, 11, 17, 21) of the 24 medical examiners districts have requested funding under this grant opportunity. These offices are applying for enhancements to their facilities through the purchase of additional equipment and training that will increase their productivity by improving and streamlining processing time.

#### **STATE LABORATORIES**

**Florida Department of Financial Services, Bureau of Forensic Fire and Explosives Analysis (BFFEA)** is a component of the Florida State Fire Marshal's Office and provides forensic analysis on arson cases to criminal justice agencies throughout Florida. BFFEA is preparing for ISO 17025:2005 accreditation and requests funds to contract for training in the applicable standards and supplemental documents

*Paul Coverdell Forensic Science Improvement Grants Program (FY 2007)  
Program Abstract and Narrative  
State of Florida Application*

for Bureau manager and selected staff. Training will be on-site and include introduction, documentation, preparation of procedure manuals, uncertainty of measurement and surveillance. The Bureau will also contract for temporary personnel to prepare ISO accreditation documentation in electronic format.

In order for laboratory members to remain current regarding literature, advances and trends within the forensic arson discipline, BFFEA also requests funds for education and training materials, as well as registration and travel funds to be used for continuing education of its nine laboratory members. The funds will allow BFFEA technical staff to participate in at least one continuing education training opportunity during the year. Travel and training expenditures are associated with professional meetings including but not limited to those sponsored by the following groups: the Southern Association of Forensic Scientist (SAFS), the American Academy of Forensic Sciences (AAFS), the Technical Working Group for Fire and Explosions (TWGFEX), the International Association of Arson Investigators (IAAI), the International Association for Identification (IAI) or its Florida Division (FDIAI), and the American Society of Crime Laboratory Directors (ASCLD).

**The Florida Department of Law Enforcement (FDLE)** offers a wide array of forensic services including chemistry, latent prints, firearms, toxicology, trace evidence, digital evidence, crime scene and DNA/biology services to the state's criminal justice agencies. The Department has 226 crime laboratory analysts and supervisors assigned in the non-biology disciplines. These analysts are distributed among seven crime laboratories located throughout the state ensure that forensic services are accessible to the more than 500 criminal justice agencies in Florida. FDLE laboratories processed

more than 73,800 non-biology service requests in fiscal year 2005/06, which represented a 1.5% increase in productivity in non-biology disciplines from the previous year. Through three quarters of this year, the FDLE laboratories are on track to increase productivity for the second straight year. FDLE requests funds for chemicals and laboratory supplies to support the volume of casework being processed by FDLE non-biology disciplines statewide.

FDLE also requests funds needed to train laboratory personnel in new international (ISO) standards in preparation for the upcoming ASCLD/LAB International accreditation, and travel and registration fees associated with professional meetings and training, including, but not limited to those, sponsored by the Southern Association of Forensic Scientist (SAFS), the American Academy of Forensic Sciences (AAFS), the Technical Working Group for Fire and Explosions (TWGFEX), the International Association of Arson Investigators (IAAI), the International Association for Identification (IAI) or its Florida Division (FDIAI), and the American Society of Crime Laboratory Directors (ASCLD). Funds will allow all non-biology crime laboratory analysts, supervisors, and forensic technologists to participate in at least one continuing education training opportunity during the year. Funds may also be used for crime laboratory members to attend meetings of the FDLE disciplines in which new protocols or procedures are discussed. They may be used to pay for instructors to come into the laboratory system to teach short courses associated with crime laboratory analyses or other areas of interest within the laboratories.

FDLE requests approximately 4% of the total award for funds for the administration of the grant.

### LOCAL LABORATORIES

The **Broward County Sheriff's Office Crime Laboratory** requests funds to enhance the capabilities and infrastructure of the Firearms, Latent Prints, Trace, Analytical (controlled substances) and Crime Scene sections, and provide training for laboratory personnel to ensure that the BSO Crime Laboratory continues to meet the high quality and laboratory accreditation standards mandated by new ISO 17025.

The Firearms section will purchase a Smart Shot Secure Firing Device, for safety purposes, a NIST Standard Reference Material 2460 Bullet, a Cartwin Pro 3 database, tablet PC's and Filemaker Pro software to assist in managing ISO standards.

The Latent section will purchase digital imaging cameras to fit onto existing stereomicroscopes to capture images for storage and retrieval at a later date.

The Trace section will purchase three Fiber/Material reference sets to assist in identification of fibers from crime scenes, and the Analytical section will purchase a balance for weighing bulk items and three (3) microscopes to assist in the identification of controlled substances. The Crime Scene section will purchase an ADAMS AFIS connect module which will send a digital file directly to the AFIS terminal without loss of resolution and POLY FLEX mannequins for "on scene and post-scene" analytical research and crime scene investigations.

The **Indian River Crime Laboratory** provides scientific and technical services to all state, county, federal, and municipal law enforcement agencies within the 19th Judicial Circuit of Florida, which consists of Indian River, St. Lucie, Martin, and Okeechobee counties. The Laboratory also occasionally assists agencies located outside the 19th Judicial Circuit. The Laboratory serves an approximate total year-

round population of 520,000 in the four-county area. Due to seasonal residents, local populations increase by 25-100% or more during the winter months, depending on the community. The Laboratory examines physical evidence in approximately 3,800 cases per year, using a staff of seven criminalists and six technical and administrative support personnel.

The Laboratory is located in the city of Fort Pierce, on Florida's Southeast coast. Its service area is south of Brevard County and north of Palm Beach County, extending from Lake Okeechobee on the west to the Intracoastal Waterway and the Atlantic Ocean on the east. The four-county service area totals 2,420 square miles and includes St. Lucie, Indian River, Martin, and Okeechobee counties. A total of 28 law enforcement organizations are served by the Indian River Crime Laboratory.

The Indian River Crime Laboratory is requesting funds to assist in the expansion of its existing Laboratory Information Management System (LIMS). The Indian River Crime Laboratory has utilized a JusticeTrax LIMS system as a stand-alone system since 1997, and a laboratory-wide, server-integrated system since 2003. As laboratory personnel and capabilities are added and improved, the demands on the current server are approaching maximum capacity. Funds will be used to upgrade and expand the Indian River Crime Laboratory LIMS System by purchasing a new server with upgraded capabilities and an updated version of software, an additional user license for a new laboratory employee, and upgraded wireless barcode readers for receiving and transferring evidence throughout the laboratory and to submitting agencies.

The upgraded server will provide additional memory to allow for a more fluent integration of recommended upgrades of the currently used JusticeTrax LIMS system

and higher capacity and speed for data processing. The increased memory will also allow new users to be added to the system along with the extra images and data that will accompany the additional casework.

The existing server will be converted to a secure web based system to communicate case status and reported results with the State Attorney Offices and Law Enforcement agencies to which the laboratory provides services. Additionally, it will allow those disciplines with a single analyst to incorporate remote case review with qualified consultants from outside laboratories.

The Indian River Crime Laboratory is also requesting travel funds to assist in meeting the annual staff training requirements to comply with laboratory policy and ASCLD/LAB accreditation guidelines to allow one staff member to attend the annual Justice Trax Users Group Meeting.

The **Miami-Dade Police Department Crime Laboratory Bureau (MDPD CLB)** provides a full range of scientific and technical services to federal, state and thirty-five municipal law enforcement agencies within Miami-Dade County, Florida. The CLB serves approximately 2.3 million permanent residents with a staff of over 68 scientific, administrative and support personnel. The MDPD CLB is requesting funding for equipment and training to improve the efficiency, timeliness, and accuracy of the Analytical Section and the Forensic Identification Section, as well as funds needed to training all laboratory personnel in ISO accreditation standards in preparation for the upcoming ASCLD/LAB International accreditation.

The Analytical Section is responsible for the analysis and identification of controlled substances and the examination and comparisons of trace evidence



materials. Funds are requested for annual forensic meetings, Drug Enforcement Agency (DEA) training and vendor, continuing education and new analysis methodology, and other pertinent training opportunities. The training will support current analysis procedures, documentation, instrumentation, and overall reporting of case results.

The Forensic Identification Section requests funding to replace stereomicroscopes that are utilized for the examination, documentation and reporting of findings of violent crime related firearms and ballistic evidence. Funds are also requested for training required to satisfy certification and re-certification of Criminalists. The training will include outside seminars, annual forensic meetings and other forensic forums related to firearms identification and tool and tire mark identification, and will support current analysis procedures, documentation, instrumentation, and overall reporting of case results.

The **Palm Beach County Sheriff's Office** Technical Services Division provides scientific, technical, investigative and training services to federal, state and municipal law enforcement agencies within Palm Beach County, Florida. The Division serves approximately 1.3 million permanent residents through the examination of approximately 20,000 cases per year utilizing a staff of 25 scientific, 44 technical and 6 administrative personnel. The PBSO Internal Affairs Division is the governmental agency in place to conduct independent, external investigation of the Technical Services Division. The IAD reports directly to the Sheriff of Palm Beach County and has the authority to conduct investigations into allegations of serious negligence or misconduct by laboratory employees and contractors.

Consistent with the recommendations of a needs assessment conducted by the Palm Beach County Sheriff's Office Technical Services Division, funds are requested to improve the quality of forensic services by contracting to:

1. Provide 8 staff members with education and uniform training in ACE-V and increase their knowledge and quality of their expertise.
2. Educate 4 Toxicology Unit staff in Interpretive DUID and help to subsidize the training for up to 46 additional toxicologists.
3. Train and certify 8 Evidence Technicians as Certified Property and Evidence Specialists.
4. Train one Toxicologist in GC-MSD Macro Programming.
5. Create approximately 16 user friendly, accessible statistical and management reports.

The ACE-V Applications for Latent Print Examiner's workshop will train latent print examiners to properly document their identifications to sufficiently support the reliability of the identification and analyst conclusions, and provide a higher quality of service to law enforcement and prosecutors. This training seminar will be contracted and will be held on-site at the Palm Beach County Sheriff's Office.

Sponsoring an interpretive DUID workshop, to be held locally, will provide much needed training on the most difficult aspect of Forensic Toxicology, the interpretive aspects of DUID cases. This workshop is designed for 50 participants. Preference will be given to those working in crime laboratories in Florida whose current duties involve expert testimony on the effects of drugs on driving, followed by those in other states performing similar work. The goal of this proposal is to fully subsidize the cost of

training the PBSO Toxicology Unit staff and to partially subsidize this workshop at a reduced price to toxicologists in crime laboratories around the country.

The GC-MSD Macro Programming course will teach laboratory personnel how to write and execute macros using the Agilent MS Chemstation software, streamlining the time consuming processing and the overall presentation of data so that it may be used more effectively in court.

Certified Property and Evidence Specialist training will improve the methods of handling and storing forensic evidence and raise the level of standard for a Palm Beach County Sheriff's Office Evidence Technician to a standard higher than those required for our current state and national accreditations.

**The Pinellas County Forensic Laboratory (PCFL)** has accepted over 10,000 cases and analyzed more than 20,000 samples in calendar year 2006. To accommodate the increasing work load, the laboratory requests funding for additional automated instrumentation to increase efficiency and productivity in the forensic laboratory. Two automated solid phase extraction manifolds will increase the laboratory's capability to use robotics to extract analytes from biological matrices. PCFL estimates that this equipment will increase analytical capacity by more than 40%.

PCFL is ASCLD-LAB accredited in the disciplines of controlled substances analyses and trace (fire debris), and is preparing for accreditation in post mortem and DUI toxicology in 2008. A government entity, the Pinellas County Department of Justice Coordination, exists with a process in place to conduct independent, external investigations into allegations of serious negligence or misconduct substantially affecting the integrity of forensic results committed by employees or contractors.

Toxicological analyses are provided for post-mortem analysis primarily for the District Six Medical Examiners (Pinellas and Pasco Counties) and human performance toxicology (DUI, sexual assault, etc) for various state and local law enforcement agencies operating in Pinellas and Pasco Counties. Controlled substance and trace analysis are provided for all law enforcement agencies operating in Pinellas County. The funds requested will be used to upgrade equipment and instrumentation in the chemistry and toxicology sections.

## **BUDGET DETAIL WORKSHEET and NARRATIVE**

**Total Funding Request: \$685,085**

Florida's crime laboratory system consists of seven state laboratories and five local laboratories that provide forensic analysis for law enforcement agencies in this State. These crime laboratories are requesting funding for training, equipment and supplies in order to maintain proficiencies in their disciplines and improve the quality and timeliness of forensic science services in the state of Florida.

There are also twenty-four District Medical Examiner's offices in Florida. Seven Florida District Medical Examiner Offices are applying for enhancements to their facilities that will increase their productivity by decreasing time required for certain activities.

All funds will be expended in accordance with Federal, State, and appropriate County guidelines and purchasing/procurement procedures. Unit and total costs for equipment were obtained by surveying competitive vendors except for instances in which a sole source is required. Funds requested for overtime and fringe benefits are based on participating agency pay standards.

### **A. PERSONNEL \$0**

No personnel funds are requested

### **B. FRINGE BENEFITS \$0**

No fringe benefit funds are requested

### **C. TRAVEL \$243,696**

#### **Bureau of Forensic Fire and Explosives Analysis - \$4,459**

The Florida Department of Financial Services, Bureau of Forensic Fire and Explosives Analysis requests travel funds to be used for continuing education of its laboratory members, so that they continue to stay abreast of the current literature, advances and trends within their discipline. The requested travel funds will allow BFFEA technical staff to participate in at least one continuing education training opportunity during the year.

Quantity	Item	Cost
9	Travel expenditures associated with professional meetings including but not limited to those sponsored by the	\$4,459

*Paul Coverdell Forensic Science Improvement Grant Program (FY 2007)  
Budget Detail Worksheet and Narrative  
State of Florida Application*

1 of 23

	following groups: the Southern Association of Forensic Scientist (SAFS), the American Academy of Forensic Sciences (AAFS), the Technical Working Group for Fire and Explosions (TWGFEX), the International Association of Arson Investigators (IAAI), the International Association for Identification (IAI) or its Florida Division (FDIAI), and the American Society of Crime Laboratory Directors (ASCLD).	
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Quantity	Item	Cost
1	American Academy of Forensic Science Hotel @\$190 a day x 5 days x 1 person	\$950
1	Southern Association of Forensic Science Hotel @\$190 a day x 5 days x 1 person	\$950
1	International Association for Identification Hotel @\$150 a day x 5 days x 1 person	\$750
2	International Association for Property and Evidence Hotel @\$102 a day x 2 days x 2 people	\$409
2	Law Enforcement and Emergency Services Video Association Hotel @\$150 a day x 4 days x 1 person	\$600
2	Technical Working Group for Fire and Explosions Hotel @\$100 a day x 4 days x 2 people	\$800

### **Florida Department of Law Enforcement - \$180,000**

The Florida Department of Law Enforcement requests funds to be used for continuing education of its laboratory members so that they continue to stay abreast of the current literature, advances and trends within their discipline. The requested funds will allow at least 120 FDLE crime laboratory members to participate in at least one continuing education training opportunity during the year. Funds may also be used for training in preparation for re-accreditation by ASCLD/LAB according to ISO 17025 standards.

Quantity	Item	Cost
120	Travel expenditures associated with professional meetings including but not limited to those sponsored by the following groups: the Southern Association of Forensic Scientist (SAFS), the American Academy of Forensic Sciences (AAFS), the Association of Firearms and Toolmark Examiners (AFTE), the American Society of Questioned Documents Examiners (ASQDE), the Society of Forensic Toxicologists (SOFT) and the International Association for Identification (IAI) or its Florida Division (FDIAI), and the American Society of Crime Laboratory Directors (ASCLD) for members as well as instructors.  120 members x \$1500/trip x 1 trip/member = 180,000	\$180,000

Quantity	Item	Cost
	Southern Association of Forensic Scientists	\$21,760
17	Airline @\$300 each x 17 people	\$5,100
17	Per Diem State of Florida rate @\$36 per day x 5 days x 17 people	\$3,060
17	Hotel @\$200 a day x 4 days x 17 people	\$13,600

Quantity	Item	Cost
	American Academy of Forensic Sciences	\$24,072
17	Airline @\$200 each x 17 people	\$3,400
17	Per Diem State of Florida rate @\$36 per day x 6 days x 17 people	\$3,672
17	Hotel x 5 days @\$200 a day x 17 people	\$17,000

Quantity	Item	Cost
	Association of Firearms and Toolmark Examiners	\$20,060
17	Airline @\$200 each x 17 people	\$3,400
17	Per Diem State of Florida rate @\$36 per day x 5 days x 17 people	\$3,060
17	Hotel x 4 days @\$200 a day x 17 people	\$13,600

Quantity	Item	Cost
	American Society of Questioned Documents Examiners Annual Conference	<b>\$21,760</b>
17	Airline @\$300 each x 17 people	\$5,100
17	Per Diem State of Florida rate @\$36 per day x 5 days x 17 people	\$3,060
17	Hotel x 4 days @\$200 a night x 17 people	\$13,600

Quantity	Item	Cost
	Society of Forensic Toxicologists Meeting	<b>\$25,772</b>
17	Airline @\$300 each x 17 people	\$5,100
17	Per Diem State of Florida rate @\$36 per day x 6 days x 17 people	\$3,672
17	Hotel x 5 days @\$200 a night x 17 people	\$17,000

Quantity	Item	Cost
	International Association for Identification	<b>\$25,772</b>
17	Airline @\$300 each x 17 people	\$5,100
17	Per Diem State of Florida rate @\$36 per day x 6 days x 17 people	\$3,672
17	Hotel x 5 days @\$200 a night x 17 people	\$17,000

Quantity	Item	Cost
	Florida Division – International Association for Identification	<b>\$20,060</b>
17	Airline @\$200 each x 17 people	\$3,400
17	Per Diem State of Florida rate @\$36 per day x 5 days x 17 people	\$3,060
17	Hotel x 4 days @\$200 a night x 17 people	\$13,600

Quantity	Item	Cost
	American Society of Crime Laboratory Directors Annual Symposium	<b>\$20,744</b>
17	Airfare @\$200 each x 17 people	\$3,400
17	Per Diem State of Florida rate @\$36 per day x 5 days x 17 people	\$3,060
17	Hotel x 4 days @\$210 per night x 17 people	\$14,284

### **Indian River Crime Laboratory - \$760**

The Indian River Crime Laboratory requests travel funds to assist in meeting the annual staff training requirements to comply with laboratory policy and ASCLD/LAB accreditation guidelines to allow one staff member to attend the annual Justice Trax Users Group Meeting.



Quantity	Item	Cost
1	Per Diem @\$40 per day x 4 days	\$160
1	Airfare @\$400 each	\$400
1	Mileage/Shuttle @\$50 a day x 4 days	\$200

### **Miami-Dade Police Department Crime Laboratory - \$49,427**

The Miami-Dade Police Department Crime Laboratory Analytical Section requests funding for training and travel to annual forensic meetings. The American Academy of Forensic Sciences (AAFS) is a national organization of forensic professionals. This meeting provides a forum for the exchange of information between forensic scientists regarding the newest technical advances in research and courtroom issues. Continuing education is a requisite for maintaining court qualifications as a forensic science expert. This meeting will help to fulfill the goals of the section and enhance the abilities of the Criminalist to provide expert service to the citizens of Miami-Dade County.

Funding is also being requested for 2 Criminalists to attend the annual Southern Association of Forensic Scientists (SAFS). This is a regional meeting of forensic professionals where current techniques and trends in forensic examinations are discussed. The professional interaction of forensic scientists will enable the laboratory to stay current in various forensic disciplines.

Quantity	Item	Cost
	AAFS Annual meeting	<b>\$4,247</b>
2	Airfare @\$164.50 each x 2 people	\$1,281
2	Hotel @\$185 a night x 6 nights x 2 people	\$2,220
2	Shuttle @\$50 each x 2 people x 2 ways	\$200
2	Per Diem @\$39 a day x 7 days x 2 people)	\$546

Quantity	Item	Cost
	SAFS Annual meeting	<b>\$3,140</b>
2	Airfare @\$614.70 each x 2 people)	\$1,229
2	Hotel @\$124.26 a day x 5 nights x 2 people	\$1,243
2	Shuttle @\$50 x 2 people x 2 ways	\$200
2	Per Diem @\$39 a day x 6 days x 2 people)	\$468

The Drug Enforcement Agency (DEA) forensic chemist training course is an essential part of a drug chemist's training program. Funding is being requested for the training and travel by 1 Criminalist to attend this training. The attendance at this training will afford new chemists training in analysis techniques and a wide variety of drug types.

Quantity	Item	Cost
	DEA Drug Training Course	<b>\$2,250</b>

1	Airfare @\$991 each	\$991
1	Hotel @\$185.00 a night x 5 nights	\$925
1	Shuttle @\$50 x 2 ways	\$100
1	Per Diem @\$39 a day x 6 days	\$234

An important part of the Analytical section is to keep current with the newest instrumentation in order to utilize the best technology available and provide for more efficient processing of evidence. Funding is requested for 2 Criminalists to attend the annual Pittsburgh Conference (PITTCON). This conference provides a forum for scientists to view the newest technology and instrumentation being marketed by various vendors. Continuing education courses on theory and instrumentation are also offered at this conference; these courses enhance the analysts' credentials as forensic science experts.

Quantity	Item	Cost
	PITTCON Conference	<b>\$3,020</b>
2	Airfare @\$955 each x 2 people	\$1,910
2	Hotel @\$120 a night x 2 people x 3 nights	\$720
2	Per Diem @\$39 x 5 days x 2 people	\$390

The MDPD CLB requests funding for The McCrone Microscopy Course (MMC). The MMC is designed to provide a practicing scientist with training in critical microscopy. The course provides lectures, demonstrations, and hands on laboratory practice.

Quantity	Item	Cost
	McCrone Microscopy Course (MMC)	<b>\$5,100</b>
3	Airfare @\$634 each x 3	\$1,902
3	Hotel @\$145 a night x 6 nights x 3 people	\$2,610
3	Per Diem @\$28 a day x 7 days x 3 people	\$588

Continuing education and training are requirements for certification and re-certification by Criminalists in the Forensic Identification Section of the MDPD CLB. Funding is requested for 4 Criminalists to attend the annual Association of Firearms and Toolmark Examiners (AFTE). This is a national training seminar that is specific to the fields of firearms and toolmark identification and meets the mandatory education requirements for re-certification.

Quantity	Item	Cost
	AFTE Annual Meeting	<b>\$9,600</b>
4	Airfare @\$1,141 x 4 people	\$4,564
4	Hotel @\$185 a night x 5 nights x 4 people	\$3,700
4	Shuttle @\$50 x 4 people x 2 ways	\$400
4	Per Diem @\$39 a day x 6 days x 4 people	\$939

A major field of study in the Forensic Identification Section is the identification of footwear and tire tracks. Continuing education is required to stay current and proficient in this field of study for court qualifications. The International Association of Identification (IAI) conference enables the exchange of information and identification methodologies between footwear and tire track examiners. Funding is being requested for 2 Criminalists to attend this conference. This conference meets the mandatory educational requirements for footwear and tire track certification.

Quantity	Item	Cost
	IAI Annual Meeting	<b>\$2,100</b>
2	Airfare @\$266 x 2 people	\$532
2	Hotel @\$110 a night x 5 nights x 2 people	\$1,100
2	Per Diem @\$39 a day x 6 days x 2 people	\$468

Continuing education in the field of firearms and toolmarks is required for court qualification of examiners in the Forensic Identification Section. The annual Shot Show enables the examiner to observe and learn about new firearms and ammunition products. This training is applicable to veteran and novice examiners and is required for the basic understanding of the scientific methodology of firearms identification. Funding is being requested for 2 Criminalists.

Quantity	Item	Cost
	Shot Show	<b>\$3,370</b>
2	Airfare @\$650 x 2 people	\$1,300
2	Hotel @\$185 a night x 4 nights x 2 people	\$1,480
2	Shuttle @\$50 x 2 people x 2 ways	\$200
2	Per Diem @\$39 a day x 5 days x 2 people	\$390

The identification and study of various firearms is essential to an analyst in the Forensic Identification Section. The knowledge of the manufacturing process of firearms is an important part of training and re-certification for examiners. A manufacturer tour enables training of the veteran and novice examiners and is required for the basic understanding of the scientific methodology of firearms identification. Funding is requested for 4 Criminalists to attend these tours. Attendance will provide additional qualification as a forensic expert for court and meets educational requirements for re-certification.

Quantity	Item	Cost
	Manufacturer Tour	<b>\$8,000</b>
4	Airfare @\$420 x 4 people	\$1,680
4	Hotel @\$155 a night x 7 nights x 4 people	\$4,620
1	Rental Car @\$86.86 a day x 7 days	\$608
4	Per Diem @\$39 a day x 7 days x 4 people	\$1,092

Funding is requested for 2 Criminalists to attend the annual Florida Division of International Association for Identification (FDIAI). Attendance will provide additional qualification as a forensic expert for court and meets the mandatory educational requirements for certification.

Quantity	Item	Cost
	FDIAI	<b>\$2,400</b>
2	Airfare @\$387 x 2 people	\$774
2	Hotel @\$90 a night x 6 nights x 2 people	\$1,080
2	Per Diem @\$39 a day x 7 days x 2 people	\$546

Armorer schools are an important part of the training of firearms experts in the MDPD CLB Forensic Identification Section. Funding is requested for 6 Criminalists to attend Armorer schools. This training is applicable to veteran and novice examiners and is essential to the basic understanding of the scientific methodology of firearms identification. Attendance will provide additional qualification as a forensic expert for court and meets the mandatory educational requirements for certification.

Quantity	Item	Cost
	Armorer School	<b>\$6,200</b>
4	Airfare @\$299 x 4 people	\$1,196
4	Hotel @\$100 a night x 8 nights x 4 people	\$3,200
1	Rental Car @\$57.14 a day x 7 days	\$400
4	Per Diem @\$39 a day x 9 days x 4 people	\$1,404

### **Palm Beach County Sheriff's Office - \$9,050**

Attend a GC-MSD Macro Programming course in Wilmington, Delaware or equivalent.

Quantity	Item	Cost
1	Per Diem @\$48 a day x 4 days x 1 person	\$192
1	Airfare @\$500 per person	\$500
1	Hotel @\$125 a night x 4 night x 1 person	\$500
1	Ground Transportation @\$50 per person (both ways)	\$50

Attend Property Management Training on the process of evidence submission. This training will identify the correct procedure for properly recording all property and evidence received by the laboratory. Completion of this course will then allow for qualification of the on-line test for the Certified Property and Evidence Specialist.

Quantity	Item	Cost
8	Per Diem @\$48 a day x 4.5 days x 8 people	\$1,728
8	Airfare @\$460 per person	\$3,680
8	Hotel @\$62.50 a night x 4 days x 8 people	\$2,000
8	Ground Transportation @\$50 per person x 8 people (both ways)	\$400

## D. EQUIPMENT

**\$175,122**

### Medical Examiners Offices - \$60,789

The District Four Medical Examiner's Office requests funds to upgrade recording equipment. The Pathologists and Transcriptionists presently use analog audio recordings which have a recorder-induced noise or a "tape hiss", and deteriorate in quality. Digital recordings can be downloaded onto computers and preserved without deterioration, and will save time and postal costs through the electronic delivery. The printers in the Transcription area are currently out of support and serviced on a best effort basis. The scanners are earmarked for the Toxicology Lab, Investigations and the Transcription area. This allows for scanned documents and electronic storage, reducing the necessary time, space and mailings, shaving approximately seven days on document delivery time. Because the current desktop computers do not have recordable drives, the installation of CD-RW drives will allow staff to store information and photos on discs. The above equipment will reduce costs and increase service efficiency at the District Four Medical Examiner's Office.

Quantity	Item	Cost
6	Olympus Voice Recorders @\$115 each	\$690
6	Olympus Transcription Kits @\$185 each	\$1,110
2	HP Laser Color Printers with extended warranties @\$1,329 each	\$2,658
6	HP ScanJet 5590 Digital Scanners @\$256 each	\$1,536
10	CD-RW Drives for computers @\$43 each	\$425

The District Six Medical Examiner's Office requests funds to replace 30 year old dental X-Ray equipment that is not dependable and does not provide quality images. Due to the age of the current X-Ray equipment, dental identification is often delayed, awaiting equipment repair. This delay in establishing identification hinders law enforcement investigations and the timely release of the decedent to the family. A new dental X-Ray machine will improve the quality of services being provided and offer a more timely identification process. In addition, the new dental X-Ray machine is capable of generating digital images, if desired in the future

An important function of the District Six Medical Examiner's Office involves obtaining photographs in documenting death investigation findings. New digital cameras allow for better quality photographs, and the color laser printer allows faster and better quality printing.

Quantity	Item	Cost
1	Wall Mount Intraoral X-Ray Machine	\$3,750
3	Nikon Digital Camera Kits @\$756 each	\$2,175
1	HP Color LaserJet 4700n Printer	\$1,700

**The District Seven Medical Examiner's Office** requests the following equipment. A rugged model laptop computer and projector to improve staff training and the professionalism of our community service/outreach program. The office is not equipped with portable equipment suitable for internal staff development training classes and external community outreach presentations. This equipment will significantly improve the quality, delivery and impact of medical examiner office programs, both with staff and the general public. The result of these benefits leads to greater confidence in the office and a better understanding of medical examiner functions and services.

The Magellan 760 Portable GPS Vehicle Navigation System request is for the two medical examiner transport vehicles. The navigation system will improve death scene response time by graphically directing the responding investigator to the scene using the most direct route. The elimination of maps will significantly improve medical examiner response times during the evening, when navigation is most difficult. This system allows investigators to arrive at scenes quickly, decreasing the wait time for law enforcement officers, resulting in improved productivity of responding officials.

The portable 800 MHz radio request is for the Associate Medical Examiner (AME). Volusia and Seminole counties use the 800 MHz radio system for emergency communications. The Chief Medical Examiner and Investigators all have assigned portable radios. The request funds one additional radio for the AME, to provide communication and connectivity to emergency management personnel and first responders during times of crises.

Quantity	Item	Cost
1	Gateway Laptop Computer	\$2,610
1	In-Focus IN36 Projector	\$1,399
2	Magellan 760 GPS Vehicle Navigation Systems @\$899 each	\$1,798
1	Portable 800 mHz Radio	\$2,732

**The District Nine Medical Examiner's Office** requests three specialized autopsy carts with trays. The three carts will assist with a growing obese population needing examination. Two of the carts requested are bariatric autopsy carts with trays. The bariatric autopsy carts address the safety concern of properly placing obese decedents

on an extended width tray which is permanently fastened to the cart and is designed to hold up to 1,000 pounds. This securely positions the decedent regardless of size on a stable environment, eliminating the chance of the tray flipping due to the increased weight of the decedent. In addition to the decedent's care, the extended width tray allows added protection for personnel. Office personnel are able to place the decedent on an extended width tray without concern the tray may flip and cause serious injury. The other cart request is for a hydraulic autopsy cart with tray. In the past, the Office has used a lift to assist in moving obese decedents from a stretcher to an autopsy cart. The use of a hydraulic autopsy cart is a safer and easier practice when transferring the decedent. By using a hydraulic autopsy cart, the cart can be lowered below the height of the stretcher allowing personnel to simply pull the decedent onto the autopsy cart without any heavy lifting or risk the cart collapsing from the transferred weight.

Quantity	Item	Cost
2	Hydraulic Autopsy Carts/Operating Tables @\$3,750 each	\$7,500
1	Bariatric Autopsy Cart and Tray	\$3,814
	Shipping/Handling for above	\$500

**The District Eleven Medical Examiner's Office** requests computers to replace seven computers that are more than six years old. The current computers do not have the minimum specifications to run our newest technology of CME Website application. These computers are frequently crashing and hindering the information and response process to families and agencies. These computers will expedite the process and allow the Office to provide information in a timely manner.

Quantity	Item	Cost
7	Dell Desktop Computers @\$1,195 each	\$8,362

**The District Seventeen Medical Examiner's Office** requests digital cameras and ancillary equipment for faster processing and improved capabilities. The conversion to digital photography will save the district \$25,000 in annual film and developing costs. Unlike current film technology, digital images will merge with the new MEDEX computer system. The turn around time on digital images is immediate versus a week using current film technology. Cost of image duplication for police, attorneys and other interested parties is eliminated as is the turn around time for providing these services. Digital images are environmentally friendly by eliminating toxic chemicals used in film based technology.

Quantity	Item	Cost
1	Fuji Film Fine Pic 23 Pro UVIR Camera	\$1,800
2	Nikon D200 Cameras @\$1,350 each	\$2,680
2	Nikon 18-70mmm AF-S DX Zoom Lens @\$350 each	\$700
2	Nikon MB-D200 Battery Packs @\$170 each	\$340
2	Lexar Pro USB 2.0 Card Readers @\$790 each	\$159
29	Lexar 512MB Lock Tight Flash Memory Cards @\$60 each	\$1,739
4	Lexar 2GB Lock Tight Flash Memory Cards @\$140 each	\$560

The District Twenty-one Medical Examiner's Office requests a dissecting microscope which allows physicians and anthropologists to examine certain gross anatomical/anthropological specimens in greater detail. The Office also needs an electronic pill counter reducing the time spent by investigators conducting inventory on medications. The equipment counts up to 1,500 pills per minute and would reduce the potential for errors, thereby providing efficient and enhanced productivity without the need for additional staff. Lee County is one of the fastest growing counties in Florida and the demands on investigators will continue to increase. This is one method that would assist investigators in maintaining the highest level of service for the citizens of Lee, Hendry and Glades Counties.

Quantity	Item	Cost
1	Kirby Lester Pill (KL 15e) with extended warranty	\$6,250
1	2000C Stereomicroscope with mount	\$3,802

### **Broward County Sheriff's Office - \$60,234**

The Broward Sheriff's Office requests funding to enhance the capabilities and infrastructure of the laboratory. The money will be utilized by five (5) sections: Firearms, Latent Prints, Trace, Analytical (Controlled Substances) and Crime Scene.

- **Firearms – Smart Shot Secure Firing Device (SFD).** The SFD is used to securely hold and remotely fire all sizes of weapons including tiny pistols, 50 caliber machine guns and all sized weapons in between. It keeps hands and body away from danger and absorbs all the shock, helping to reduce the risk of test firing. **NIST Standard Reference Material (SRM) 2460 bullet signature standard.** This will be used by the section as a check standard to verify that optical equipment used for profiling and bullet imaging is working correctly. **Cartwin Pro 3.** The Cartwin Pro 3 is a computer driven searchable database that provides the user the ability to determine the manufacturer, country of origin, and other information on unknown firearms cartridges from around the world. The database contains in excess of 10,000 cartridges with photographs and ballistic information, and is searchable by a number of variables such as type of bullet, headstamp markings, case diameter, bullet color, and others. **Tablet PC's** for bench tops to take to take notes via electronic worksheets during the analysis.



Quantity	Item	Cost
1	Smart Shot Firing Device (SFD)	\$6,500
1	NIST Standard Reference Material 2460 Bullet	\$1,800
1	Cartwin Pro 3	\$1,500
5	Tablet PC's and associated software @ \$2,425 each	\$12,125

- **Latent Section** recently purchased stereomicroscopes to magnify latent prints to assist in analysis. Presently analysts are maintaining hard copy versions of notes. With the purchase five (5) Leica Digital Imaging Cameras and the corresponding software, analysts will be able to capture and store images and then either display them on a computer monitor or maintain an electronic copy for future use.

Quantity	Item	Cost
5	Leica Digital Imaging Cameras @ \$3,200 each	\$16,000

- **Trace Section** requests three (3) McCrone reference sets; a fiber set, an asbestos-containing material set and a fur, fiber and food set. These sets can be used to assist investigators when fiber-like materials have been collected from crime scenes. Without reference sets of this kind, a good majority of fibers may go unrecognized.

Quantity	Item	Cost
1	McCrone Fiber Reference Set	\$650
1	McCrone Asbestos-Containing Material Set	\$325
1	McCrone Fur, Fiber, and Food Set	\$580

- **Analytical Section** requests a **new bulk balance** - At the current time the section has one bulk balance with a small platform. An additional bulk balance with a larger platform will allow the section to obtain weights of exhibits that exceed the capacity of the bench top scale. **Microscopes** - The section has one outdated polarizing microscope that can not be repaired. This microscope which is routinely used for performing crystal tests will be replaced. An additional stereo microscope for analyzing marijuana and looking at tablet markings is also needed. Currently the section has one that is shared between six chemists.

Quantity	Item	Cost
1	Balance	\$550
1	Polarizing Microscopes	\$5,072
1	Stereo Microscope	\$4,480

- **Crime Scene Section** requests funding to purchase an "ADAMS" AFIS connect Module and Poly Flex Forensic Mannequins. Currently, after latent prints are enhanced at their digital workstation, they are printed on a photo printer and then must be scanned into the AFIS terminal to be searched against the database. Many

of these latent prints are of marginal quality and will lose valuable points of identification in both the printing portion and the scanning portion of the process. The direct AFIS link allows the digital file to be sent directly to the AFIS terminal with no loss of detail or points. This could make the difference in locating a suspect and not locating a suspect. Poly Flex Mannequins are ideal realistic figures for “on scene and post-scene” analytical research and crime scene investigations. The use of these mannequins by our staff would allow the jury to view professional and realistic demonstrative aides during testimony of ballistics, trajectory, blood spatter and pathology.

Quantity	Item	Cost
1	ADAMS AFIS Connect Module	\$7,500
2	Forensic Adult Mannequin Packages (includes carry bag and standing base plates) @\$864 each	\$1,728
2	Forensic Toddler Mannequin plus facial features @\$458 each	\$916
2	Carrying Bags @\$109 each	\$218
2	Standing Base Plates @\$45 each	\$90
	Shipping	\$200

**Indian River Crime Laboratory - \$12,007**

An upgraded server and backup with increased memory will accommodate the increasing amount of data and images stored in the laboratory's LIMS system as the number of personnel and equipment capabilities increase. With an upgraded server the capacity for data processing will be increased to accommodate the recommended upgrades for the JusticeTrax system. A backup system will allow for increased data retention and uninterrupted service for periods of power outage.

Quantity	Item	Cost
1	Server with Backup	\$8,000

The barcode readers will provide a less cumbersome and more efficient method of evidence receiving and return as well as evidence transfer and tracking within the laboratory. These upgraded barcodes can also be integrated with the current Mideo Evidence Documentation Systems used in the laboratory, allowing easier digital image organization and storage through efficient case navigation.

Quantity	Item	Cost
7	Wireless Barcode Readers @\$572 each	\$4,007

**Miami-Dade Police Department - \$10,877**

The MDPD Analytical section requests funding to replace a polarizing microscope that needs to be updated, to replace additional non-functional stereomicroscopes and to

purchase a Hirox Macro lens which will be attached to the high resolution digital video microscope system.

Quantity	Item	Cost
1	Polarizing Microscope	\$3,100
2	Stereo Microscopes@ \$830 each	\$1,660
1	Hirox Macro Lens	\$2,680

The MDPD Forensic Identification Section is requesting funding for an Insight Firewall Color Mosaic C-Mount Camera, and software. This Camera and Software will be used to document the examination and comparison of fired bullet casings as well as the examination and comparison of tool marks to individual tools.

Quantity	Item	Cost
1	Insight Firewall Color Mosaic C-Mount Camera and Software	\$3,437

### **Pinellas County Forensic Laboratory - \$31,215**

Funds are requested to purchase two automated solid phase extraction manifolds which will increase the laboratory's ability to use robotics to efficiently extract analytes from biological matrices. These units will be added to the current automated SPE manifold system, increasing analytical capacity of the instrumentation by ~ 40%.

Quantity	Item	Cost
2	Automated Solid Phase Extraction Manifolds @\$15,608 each	\$31,215

## **E. SUPPLIES**

**\$134,441**

### **Florida Department of Law Enforcement - \$134,441**

These following chemicals and supplies will be used to support chemistry, latent prints, firearms, AFIS, trace evidence, digital evidence, and crime scene service case work in FDLE regional crime laboratories statewide

Quantity	Item	Cost
	Supplies include both disposables and chemicals as indicated below.  Disposables including but not limited to gloves, auto-sampler vials, test tubes, pipettes, weighing paper, weighing boats, disposable lab coats, swabs, face mask and booties, wipe alls, disposable tweezers and brushes, lifting tape, and latent print and shoe lifters  Chemicals for Chemistry, Firearms, and Latent Prints including but not limited to Kodak PolyMax RT Developer replenisher, Methanol, Glacial Acetic, Acetone, Super Glue, Hard Evidence Packs, Ardrex, Cavicide, various acids (nitric, sulfuric, hydrochloric), sodium bicarbonate, sodium carbonate, cyclohexane, toluene, sulfanilic acid, alpha-naphthol, sodium nitrite, dithiooxamide, ferric chloride, cupric chloride	\$134,441

#### **F. CONSTRUCTION**

**\$0**

(No construction funds are requested)

#### **G. CONSULTANTS/CONTRACTS**

**\$40,051**

##### **Bureau of Forensic Fire and Explosives Analysis - \$11,000**

BFFEA will contract for training in ISO 17025:2005 accreditation and applicable supplemental documents for the Bureau manager and selected staff. Training will be on-site and include introduction, documentation, preparation of procedure manuals, uncertainty of measurement and surveillance. BFFEA will also contract is for temporary personnel to prepare ISO accreditation documentation in electronic format.

Item	Cost
Training in ISO accreditation - 7 persons x \$1,000/ person (ISO)	\$7,000
Contract with temp for ISO accreditation \$25/hour x 160 hours	\$4,000

### **Palm Beach County Sheriff's Office - \$29,051**

The contract is with Ron Smith Associates (or equivalent) to deliver an on-site workshop to Latent Print Examiners to properly document their identifications to sufficiently support their conclusions.

Item	Cost
Latent Prints Workshop	\$15,500

The contract is with SOFT workshop organizers to deliver an on-site workshop for toxicologists in the interpretive aspects of DUID.

Item	Cost
Workshop in Interpretive Aspects of DUID	\$10,257

The contract is with a software programmer proficient in Crystal Reports to custom write management and statistical reports from our existing LIMS-plus Justice Trax electronic database software.

Item	Cost
Management and Statistical Reports 16 reports @\$206 a report	\$3,294

## **H. OTHER COSTS**

**\$91,775**

### **Bureau of Forensic Fire and Explosives Analysis - \$3,894**

BFFEA requests funds for registration, instructor, tuition and other fees associated with professional meetings to allow its technical staff to participate in at least one continuing education training opportunity during the year. The funds may also be used to pay tuition and fees at universities or colleges including on-line courses for members seeking advanced degrees in sciences or forensic sciences. They may be used to pay for instructors to come into the laboratory system to teach short courses associated with crime laboratory analyses or other areas of interest within the laboratories.

Quantity	Item	Cost
	Registration, instructor, tuition and other fees associated with professional meetings.	\$3,000

Quantity	Item	Cost
1	American Academy of Forensic Science	\$400
1	Southern Association of Forensic Science	\$300
1	International Association for Identification	\$400

2	International Association for Property and Evidence Hotel @\$150 each	\$300
2	Law Enforcement and Emergency Services Video Association Hotel @\$400 each	\$800
2	Technical Working Group for Fire and Explosions Hotel@\$400 each	\$800

BFFEA is also requesting funds to assist in the purchase of education material to allow access to current education material and information related to the discipline.

Quantity	Description	Cost
	Misc. educational material including but not limited to books, scientific journal subscriptions or software	\$894

### **Florida Department of Law Enforcement - \$53,269**

In order for laboratory members to remain effective they must continue to stay abreast of the current literature, advances and trends within the forensic sciences. FDLE requests funds for registration, instructor and other fees associated with professional meetings. The funds may be used to pay tuition and fees at universities or colleges including on-line courses for members seeking advanced degrees in sciences or forensic sciences. The funds may also be used for training FDLE laboratory members in new ISO standards or for crime laboratory members to attend meetings of the FDLE disciplines in which new protocols or procedures are discussed. Funds may be used to pay for instructors to come into the laboratory system to teach short courses associated with crime laboratory analyses, or other areas of interest within the laboratories.

Quantity	Item	Cost
120	Registration, instructor, tuition and other fees associated with professional meetings.  120 members statewide x 1 meeting ea. @ \$200 fee/meeting = \$24,000	\$24,000

Quantity	Item	Cost
	<b>Registration costs for the meetings below</b>	<b>\$24,000</b>
17	Southern Association of Forensic Scientists @\$200 each	\$3,400
17	American Academy of Forensic Sciences @\$200 each	\$3,400
17	Association of Firearms and Toolmark Examiners @\$111 each	\$1,900
17	American Society of Questioned Documents Examiners Annual Conference @\$200 each	\$3,400
17	Society of Forensic Toxicologists Meeting @\$200 each	\$3,400
17	International Association for Identification @\$200 each	\$3,400
17	Florida Division – International Association for Identification @\$100 each	\$1,700
17	American Society of Crime Laboratory Directors Annual Symposium @\$200 each	\$3,400

FDLE is also requests funds to assist in the purchase of education material to provide all members with access to current education material enhancing the ability to perform their duties and facilitating better service for the criminal justice community.

Quantity	Description	Cost
	Miscellaneous educational material including but not limited to books, scientific journal subscriptions or software	\$1,550
	OROC miscellaneous educational materials (\$1,000)	
	OROC-Daytona miscellaneous educational materials (\$550)	

Quantity	Item	Cost
	Administration	\$27,719

### **Broward County Sheriff's Office - \$2,196**

The Broward Sheriff's Office requests funding to enhance the capabilities and infrastructure of the laboratory. The money will be utilized by two (2) sections: Firearms and Crime Scene.

- For the Firearms section - **Filemaker Pro software** (version 8.5 or higher). This is a database program that will be used to provide uniform templates for analysis and reporting.
- For the Crime Scene section laboratory safety is an ongoing process. In order to keep in compliance with OSHA guidelines, the laboratory would like to purchase a

series of training **DVDs** geared toward laboratory safety, with such a purchase, the staff in its entirety can be trained.

Quantity	Item	Cost
6	Filemaker Pro Software (version 8.5 or higher) @ \$200 each	\$1,200
1	Laboratory Safety Package (12 DVDs)	\$996

### **Indian River Crime Laboratory - \$5,962**

The additional user license will allow a new employee to have access to the laboratory's LIMS system at his/her work station. The purchase of the user license requires the purchase of an annual maintenance fee for the software.

Quantity	Item	Cost
1	Justice Trax LIMS-Plus Software	\$4,500
1	Annual Maintenance Fee	\$810

The Indian River Crime Laboratory requests registration funds to assist in meeting the annual staff training requirements to comply with laboratory policy and ASCLD/LAB accreditation guidelines to allow one staff member to attend the annual Justice Trax Users Group Meeting.

Quantity	Item	Cost
1	Registration	\$652

### **Miami-Dade Police Department Crime Laboratory - \$20,854**

The Miami-Dade Police Department Crime Laboratory is an accredited laboratory with ASCLD/LAB as the accrediting body. The MDPD CLB is requesting funding for on-site training in preparation for 2009 re-accreditation by ASCLD/LAB according to ISO 17025 standards.

Quantity	Item	Cost
17	ISO on site training @ \$300 each	\$5,100

The Miami-Dade Police Department Crime Laboratory request funds for registration fees and workshops for laboratory personnel to attend at least one continuing education conference/training opportunity, including but not limited to Southern Association of Forensic Scientists (SAFS) Conference, American Academy of Forensic Sciences (AAFS), and/or Florida Division of International Association for Identification (FDIAI).



<b>AAFS Annual Meeting</b>	<b>Cost</b>
Registration Fees (\$792 X 2 people)	\$1,584
<b>ISAFS Annual Meeting</b>	
Registration Fees (\$130 X 2 people)	\$260
<b>PITTCON</b>	
Registration Fees (\$190 X 2 people)	\$380
<b>MMC</b>	
Registration Fees (\$1,700 X 3 people)	\$5,100
<b>AFTE Annual Training Seminar</b>	
Registration Fees (\$600 X 4 people)	\$2,400
<b>IAI Annual Educational Conference</b>	
Registration Fees (\$200 X 2 people)	\$400
<b>Shot Show</b>	
Registration Fees (\$15 X 2 people)	\$30
<b>Armorer School</b>	
Registration Fees (\$1000 X 4 people)	\$4,000

Intrastate training provides Criminalists with a forum for the exchange of information between local agencies in the state of Florida. The Florida Department of Law Enforcement (FDLE) Firearms Discipline meeting enables this exchange between firearms and toolmark examiners to occur in the state of Florida. Funding is being requested for 4 Criminalists to attend this meeting. This meeting meets mandatory education requirements for re-certification.

Quantity	Item	Cost
4	Registration for FDLE Firearms Discipline meeting @ \$400.00	\$1,600.00

### **Palm Beach County Sheriff's Office - \$5,600**

Attend a GC-MSD Macro Programming course in Wilmington, Delaware or equivalent.

Quantity	Description	Cost
1	Registration	\$1,800

Attend Property Management Training on the process of evidence submission. This training will identify the correct procedure for properly recording all property and evidence received by the laboratory. Completion of this course will then allow for qualification of the on-line test for the Certified Property and Evidence Specialist.

Quantity	Description	Cost
8	Registration @\$325 per person	\$2,600
8	Application/Testing Fees @\$50 per person	\$1,200

**I. INDIRECT COSTS**  
(Not allowable under this grant)

**\$0**

**TOTAL FUNDING REQUEST - \$685,085**

**BUDGET SUMMARY**

**Total Funding Request: \$685,085**

	<b>Budget Category</b>	<b>Amount</b>
<b>A.</b>	<b>Personnel</b>	<b>\$0</b>
<b>B.</b>	<b>Fringe Benefits</b>	<b>\$0</b>
<b>C.</b>	<b>Travel</b>	<b>\$243,696</b>
<b>D.</b>	<b>Equipment</b>	<b>\$175,122</b>
<b>E.</b>	<b>Supplies</b>	<b>\$134,441</b>
<b>F.</b>	<b>Construction</b>	<b>\$0</b>
<b>G.</b>	<b>Consultants/Contracts</b>	<b>\$40,051</b>
<b>H.</b>	<b>Other Costs</b>	<b>\$91,775</b>
<b>I.</b>	<b>Indirect Costs</b>	<b>\$0</b>

**TOTAL PROJECT COSTS** **\$685,085**

**Federal Request** **\$685,085**

**Non-Federal Amount (No State Match Required)** **\$0**