

**STATE OF SOUTH CAROLINA
DEPARTMENT OF PUBLIC SAFETY
Office Of Justice Programs
Justice Assistance Grant Program**

Grant #

App #

To Be Completed by Project Director

Section 1

County Name:

Section 2

Grant Period:

Begin:

End:

Section 3

Project Title:

Section 4

Project Summary: This funding would be utilized to enhance forensic laboratory capabilities, replace outdated technology, implement safety equipment equipment and reduce the risk of contamination of DNA evidence.

Section 5

Type of Application

a.

b. Year of Funds :

Other:(Specify)

c.

Section 6

a. Organization Type :

Other:(Specify)

b. U. S. Congressional District

Section 7

Agency DUNS number*:
(www.dunandbradstreet.com)

Has your agency registered with Central Contractor Registration (CCR)?* **Yes**
(www.ccr.gov)

For **Central Contractor Registration (CCR) handbook** [click here](#).

* This data is not required to submit this application but will become necessary for federal reporting requirements if this project is awarded.

FEIN:

Agency Name
 Address
 City
 State

(Please use the Name/Address above instead of this field)
 Name and Address of Implementing Agency

10 Digit Zip
 (Area) Phone #:
 (Area) Fax #:

COMPLETE PAGES 2&3 BEFORE COMPLETING THIS SECTION

Section 8

BUDGET

Use whole dollars only (For example: \$1,500 not \$1,500.00)

a. BUDGET CATEGORIES	GRANTOR	AGENCY MATCH	TOTAL
Personnel	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
Contractual Services	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
Travel	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
Equipment	<input type="text" value="\$27,022"/>	<input type="text" value="\$3,004"/>	<input type="text" value="\$30,026"/>
Other	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
TOTAL:	<input type="text" value="\$27,022"/>	<input type="text" value="\$3,004"/>	<input type="text" value="\$30,026"/>
b. PERCENTAGE:	90 %	10 %	100 %

Section 9

APPROPRIATION OF NON-GRANTOR MATCHING FUNDS

Other (Explain):

WHOLE DOLLARS ONLY

BUDGET DESCRIPTION

Page 2

MATCHING FUNDS CATEGORIES			GRANTOR	CASH	TOTAL
PERSONNEL					
SALARIES	% of Time	Quantity			
Position Title	On Project				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>
TOTAL SALARIES:			<input type="text" value="\$0"/>	<input type="text" value="\$0"/>	<input type="text" value="\$0"/>

EMPLOYER CONTRIBUTIONS (Fringe Benefits)

	% or Rate	X	Base			
Social Security & Medicare (FICA)				\$0	\$0	\$0
Retirement				\$0	\$0	\$0
Worker's Compensation Insurance				\$0	\$0	\$0
Unemployment Insurance (on first \$7,000 only)				\$0	\$0	\$0
Health Insurance				\$0	\$0	\$0
Dental Insurance				\$0	\$0	\$0
Pre-Retirement Death Benefit				\$0	\$0	\$0
Accident Death Benefit (Police Officers)				\$0	\$0	\$0
Other Employer Contributions (Itemize)				\$0	\$0	\$0
TOTAL EMPLOYER CONTRIBUTIONS:				\$0	\$0	\$0
TOTAL PERSONNEL:				\$0	\$0	\$0

CONTRACTUAL SERVICES:

(Itemize - DO NOT include professional fees for doctors, psychologists, etc.)

	\$0	\$0	\$0
TOTAL CONTRACTUAL SERVICES	\$0	\$0	\$0

TRAVEL:

(Itemize-include mileage, airline cost, lodging, per diem, parking, car rental)

	\$0	\$0	\$0
TOTAL TRAVEL:	\$0	\$0	\$0

Show Section 2-A Disabled

USE WHOLE DOLLARS ONLY

BUDGET DESCRIPTION

Page 3

MATCHING FUNDS

CATEGORIES

EQUIPMENT (\$1,000 or more per Unit):

(Itemize - DO NOT USE BRAND NAME.- Also, DO NOT include leased, rented items or software

GRANTOR CASH TOTAL

ITEM	QUANTITY			
Small Down Flow Workstation (2 Foot Length)	1	\$2,837	\$316	\$3,153
Large Down Flow Workstation (4 Foot Length)	1	\$4,254	\$473	\$4,727
UV Box	1	\$990	\$110	\$1,100
Evidence Drying Cabinet	1	\$8,348	\$928	\$9,276
Marijuana Microscope	1	\$2,178	\$242	\$2,420
Light Source for Marijuana Stereomicroscope	1	\$990	\$110	\$1,100

Light Source for Ballistics Microscope	1	\$990	\$110	\$1,100
Camera System for Ballistics Microscope	1	\$4,950	\$550	\$5,500
Digital Balance	1	\$1,485	\$165	\$1,650
TOTAL EQUIPMENT:		\$27,022	\$3,004	\$30,026

Other:

		\$0	\$0	\$0
TOTAL OTHER:		\$0	\$0	\$0

BUDGET NARRATIVE

List items under each Budget Category heading. Explain exactly how each item in your budget (both grantor and match) will be utilized. It is important that the necessity of these items, as they relate to the operation of the project, be established. Dollar amounts DO NOT have to be provided

Equipment

1. Down Flow Workstations (Quantity of 2 – One 24” Workstation and One 48” Workstation): The Down Flow Workstations are specifically designed as bench mounted units with unrestricted access for processing operations that are difficult to perform using a conventional fume hood. The downflow action forces the contaminated air away from the operator with an automated alarm alert when airflow fails to an unacceptable level. The main filter of the workstation can be chosen from 14 different types of carbon, which include specialty media for vapors of organics, solvents, acids, mercury, and formaldehyde. HEPA filters for particulate filtration (such as fingerprint powders) are also available to suit most any application. The DWS Down Flow Workstations exceed OSHA, ANSI, and all relevant international standards. The primary benefit of the down flow workstations is a healthier work environment for crime scene officers. A secondary benefit is a significant reduction of airborne latent print powder which can compromise the proper operation of other instrumentation in the Lab.

2. UV-Box: The Air Science UV-Box is a high efficiency chamber designed to safely decontaminate contents while providing for a safe work environment. High intensity short wave UV lamps are positioned within the cabinet to destroy exposed surface DNA and bacteria, leaving evidence and/or equipment free of contamination prior to other forensic tests, analysis, or procedures. The UV-Box is designed to protect the user from harmful UV radiation. The UV-Box has a UV absorbing window along with safety controls to ensure that the UV lamps cannot be activated until the cabinet door is securely closed. Crime Scene officers would utilize the UV-Box to decontaminate and reuse fingerprint brushes to prevent cross contamination of possible DNA evidence.

3. Evidence Drying Cabinet: The Evidence Drying Cabinet is a contaminant cabinet specifically designed for the drying and temporary storage of wet, contaminated forensic evidence. The airflow through the cabinet gives a constant drying medium for items of evidence large or small, and contains any fumes, odors, or particulates given off while drying. Particulate matter and offensive odors are eliminated due to the cabinet's sealed environment. The corrosive proof construction of the cabinet and an attached spray hose promotes easy decontamination and cleaning.

4. Marijuana Microscope: The Stereomicroscope is used in the analysis of marijuana in the Forensic Division Laboratory. Marijuana Analysis is unique from other drug analysis because each sample is required to be microscopically examined for botanical characteristics. The new Stereo Microscope provides greater magnification and modern optics which will greatly reduce the amount of examination time spent on difficult samples.

5. New Light Source for Marijuana Stereomicroscope: This new light source utilizes a halogen bulb and is a stand alone unit. The current light source utilizes an incandescent light that has been in use since 1976. This light source is weal by current standards and is difficult to control in that it is mounted to the head of the microscope. This light source moves as the microscope focus is adjusted. When more light is needed the examiner must switch to the other microscope and relocate the area of interest or move the light source from one microscope to this one. Both of these solutions are time consuming and impractical when the other microscope is in use by one

of the other examiners. A new stand alone light source will solve these problems.

6. Light Source for Ballistics Microscope: This light source utilizes fluorescent lighting and will replace the current fiber optics light source on one of the ballistics microscopes in use in the Firearms Lab. The fiber optic light source is difficult for the examiner to work with as it produces "hot spots" in light intensity unlike the larger uniform light dispersion of a fluorescent light source. A fluorescent light source for the microscope currently using the fiber optics light source will eliminate the need to continually adjust the lighting or reconfigure the second microscope.

7. Camera System for Ballistics Microscope: Ballistic examination of Firearms evidence is a comparative examination. This type of examination is too small to be seen with the naked eye and cannot be accurately recorded with standard photography. The Laboratory cannot visually document matches. A camera system will allow the visual documentation of firearms evidence and matches. The camera is designed to be attached to the microscope and a computer to acquire the images and store them for court purposes and/or review of the evidence.

8. Digital Balance for Firearms Laboratory: One of the services provided to Law Enforcement by the Firearms Section is to review evidence from shootings to inform officers what type of firearm may have been used in a crime. This is done by measuring and weighing recovered projectiles. When a projectile is deformed from impact, accurate measurements may not be possible and the weight of the projectile plays a larger role. The Firearms Section currently uses a triple beam balance to weigh projectiles. This balance is dated and difficult to operate. A digital balance that measures in grains would speed up the weighing process and provide more accurate results.