

GRANT APPLICATION SUMMARY SHEET

Grant Name: 2021 Paul Coverdell Forensic Science Improvement 21-23

Department: POLICE DEPARTMENT

Grantor: U.S. DEPARTMENT OF JUSTICE
Pass-Through Grantor (If applicable):

Total Applied For: \$250,000.00

Metro Cash Match: \$19,063.00

Department Contact: Jim Stephens
880-2850

Status: NEW

Program Description:

Funding will be used to purchase SCIEX X500R QTOF system. The implementation of the SCIEX X500R QTOF system will increase the Toxicology Unit's capacity to process cases more efficiently, in so doing helping to reduce the turnaround time and backlog. The matching funds will be paid through BU# 31121760 and Fund # 10101.

Plan for continuation of services upon grant expiration:

Project is totally grant funded and will cease upon expiration of the grant.

APPROVED AS TO AVAILABILITY OF FUNDS:

APPROVED AS TO FORM AND LEGALITY:

DocuSigned by:
Kevin Crumbo/mjw 7/1/2021
Director of Finance ^{DS} **Date**
TE

DocuSigned by:
Niki Eke 7/1/2021
Metropolitan Attorney ^{DS} **Date**

APPROVED AS TO RISK AND INSURANCE:

DocuSigned by:
Balagun Cobb 7/1/2021
Director of Risk Management Services ^{DS} **Date**

DocuSigned by:
John Cooper 7/1/2021
Metropolitan Mayor ^{DS} **Date**

(This application is contingent upon approval of the application by the Metropolitan Council.)

5275 **Budget Analyst Initials** ^{DS}
EP

Grants Tracking Form

Part One

Pre-Application <input type="radio"/>		Application <input checked="" type="radio"/>		Award Acceptance <input type="radio"/>		Contract Amendment <input type="radio"/>	
Department	Dept. No.	Contact		Phone	Fax		
POLICE DEPARTMENT	031	Jim Stephens		880-2850	880-3077		
Grant Name:	2021 Paul Coverdell Forensic Science Improvement 21-23						
Grantor:	U.S. DEPARTMENT OF JUSTICE			Other:			
Grant Period From:	10/01/21	<small>(applications only)</small> Anticipated Application Date:		07/07/21			
Grant Period To:	09/30/23	<small>(applications only)</small> Application Deadline:		07/08/21			
Funding Type:	FED DIRECT	Multi-Department Grant		<input type="checkbox"/> If yes, list below.			
Pass-Thru:		Outside Consultant Project:		<input type="checkbox"/>			
Award Type:	COMPETITIVE	Total Award:		\$250,000.00			
Status:	NEW	Metro Cash Match:		\$19,063.00			
Metro Category:	New Initiative	Metro In-Kind Match:		\$0.00			
CFDA #	16.742	Is Council approval required?		<input type="checkbox"/>			
Project Description:	Funding will be used to purchase SCIEX X500R QTOF system. The implementation of the SCIEX X500R QTOF system will increase the Toxicology Unit's capacity to process cases more efficiently, in so doing helping to reduce the turnaround time and backlog. The matching funds will be paid through BU# 31121760 and Fund # 10101.						
Plan for continuation of service after expiration of grant/Budgetary Impact:							
Project is totally grant funded and will cease upon expiration of the grant.							
How is Match Determined?							
Fixed Amount of \$	\$0.00	or	% of Grant	Other: <input type="checkbox"/>			
Explanation for "Other" means of determining match:							
For this Metro FY, how much of the required local Metro cash match:							
Is already in department budget?		No		Fund	Business Unit		
Is not budgeted?		Proposed Source of Match:					
(Indicate Match Amount & Source for Remaining Grant Years in Budget Below)							
Other:							
Number of FTEs the grant will fund:		0.00		Actual number of positions added:			
Departmental Indirect Cost Rate		30.32%		Indirect Cost of Grant to Metro:			
				\$75,800.00			
*Indirect Costs allowed? <input type="radio"/> Yes <input checked="" type="radio"/> No		% Allow.		Ind. Cost Requested from Grantor:			
		0.0%		\$0.00 in budget			
<small>*(If "No", please attach documentation from the grantor that indirect costs are not allowable. See Instructions)</small>							
Draw down allowable? <input type="checkbox"/>							
Metro or Community-based Partners:							

Part Two

Grant Budget

Budget Year	Metro Fiscal Year	Federal Grantor	State Grantor	Other Grantor	Local Match Cash	Match Source (Fund, BU)	Local Match In-Kind	Total Grant Each Year	Indirect Cost to Metro	Ind. Cost Neg. from Grantor
Yr 1	FY22	\$0.00			\$0.00		\$0.00	\$0.00	\$0.00	\$0.00
Yr 2	FY23	\$250,000.00			\$19,063.00	10101, 31121760	\$0.00	\$269,063.00	\$75,800.00	\$0.00
Yr 3	FY__									
Yr 4	FY__									
Yr 5	FY__									
Total		\$250,000.00	\$0.00	\$0.00	\$19,063.00		\$0.00	\$269,063.00	\$19,125.00	\$0.00
Date Awarded:					Tot. Awarded:		Contract#:			
(or) Date Denied:					Reason:					
(or) Date Withdrawn:					Reason:					

Contact:

dennise.meiers@nashville.gov
vaughn.wilson@nashville.gov

VW

Application for Federal Assistance SF-424		
* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>
* 3. Date Received: <input type="text"/> Completed by Grants.gov upon submission.	4. Applicant Identifier: <input type="text"/>	
5a. Federal Entity Identifier: <input type="text"/>	5b. Federal Award Identifier: <input type="text"/>	
State Use Only:		
6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>	
8. APPLICANT INFORMATION:		
* a. Legal Name: <input type="text"/> Metropolitan Government of Nashville and Davidson County		
* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text"/> 65-0694743	* c. Organizational DUNS: <input type="text"/> 0782176680000	
d. Address:		
* Street1: <input type="text"/> 1 Public Square		
Street2: <input type="text"/>		
* City: <input type="text"/> Nashville		
County/Parish: <input type="text"/> Davidson County		
* State: <input type="text"/> TN: Tennessee		
Province: <input type="text"/>		
* Country: <input type="text"/> USA: UNITED STATES		
* Zip / Postal Code: <input type="text"/> 37201-5007		
e. Organizational Unit:		
Department Name: <input type="text"/> Metropolitan Nashville Police	Division Name: <input type="text"/> Strategic Development	
f. Name and contact information of person to be contacted on matters involving this application:		
Prefix: <input type="text"/> Mr.	* First Name: <input type="text"/> Michael	
Middle Name: <input type="text"/> C.		
* Last Name: <input type="text"/> Park		
Suffix: <input type="text"/>		
Title: <input type="text"/> Sergeant		
Organizational Affiliation: <input type="text"/> Police		
* Telephone Number: <input type="text"/> 615-862-7077	Fax Number: <input type="text"/>	
* Email: <input type="text"/> michael.park@nashville.gov		

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

*** Other (specify):**

*** 10. Name of Federal Agency:**

Bureau of Justice Assistance

11. Catalog of Federal Domestic Assistance Number:

16.742

CFDA Title:

Paul Coverdell Forensic Sciences Improvement Grant Program

*** 12. Funding Opportunity Number:**

O-BJA-2021-09003

*** Title:**

BJA FY 21 Paul Coverdell Forensic Science Improvement Grants Program- Competitive

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Population Document.docx

Add Attachment

Delete Attachment

View Attachment

*** 15. Descriptive Title of Applicant's Project:**

2021 MNPB Paul Coverdell Forensic Science Improvement Grant

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant * b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:* a. Start Date: * b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="250,000.00"/>
* b. Applicant	<input type="text" value="19,063.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="269,063.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)** Yes No

If "Yes", provide explanation and attach

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

 ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed:

Project Abstract

In 2019, the Toxicology Subcommittee of the Organizational Scientific Area Committee established a standard for the analytical scope and recommended drug testing levels for forensic toxicology testing in impaired driving investigations.¹ At present, the Metropolitan Nashville Police Department Crime Laboratory (MNPDC-CL) Toxicology Unit is unable to meet these recommendations, particularly for some opioids, due to the age and lack of sensitivity of the SCIEX 3200 QTRAP LC-MS/MS currently in use. In addition, Lab resources have been redirected to other Units to meet the increased demands by the rise in violent crime. Current instrumentation age combined with the reallocation of resources to other units has impacted efficiency and backlog of the Toxicology Unit.

If this grant is awarded, the MNPDC-CL Toxicology Unit will use the funding to purchase a SCIEX X500R QTOF system. By obtaining and implementing the SCIEX X500R QTOF system, the MNPDC-CL Toxicology Unit would be able to enhance its testing capabilities by adding new compounds to the testing panel, increase sensitivity to detect lower levels of target compounds, and decrease the backlog and turnaround time.

¹ http://www.asbstandardsboard.org/wp-content/uploads/2019/09/120_Std_Ballot01.pdf

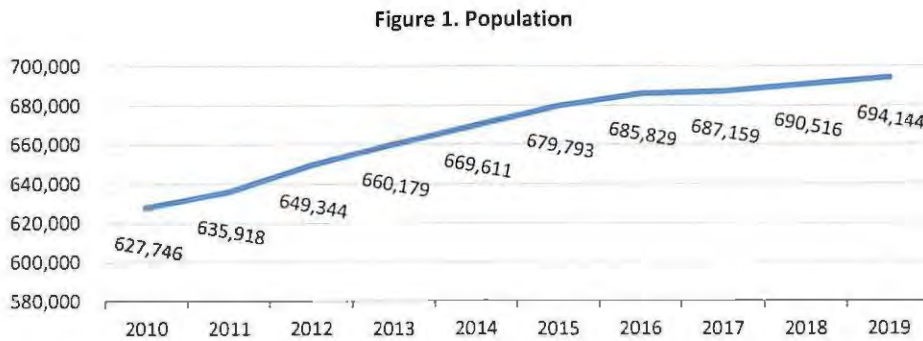
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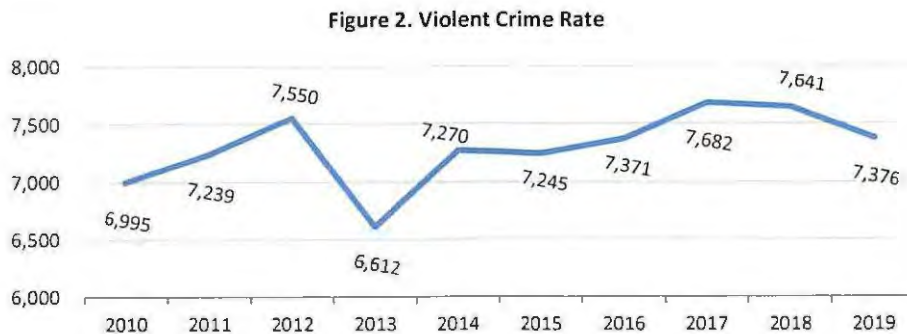
Program Narrative

Description of the Issue

The Metropolitan Nashville Police Department Crime Laboratory (MNPD-CL) provides services to all of Nashville and Davidson County. Encompassing 504.03 square miles, Davidson County had an estimated 694,144 residents in 2019, an increase of 10.5% when compared to 627,746 residents in 2010 (Figure 1).¹



During this same period, violent crime increased by 5.5%, with homicides increasing by 50.9% and sexual assaults increasing by 19.3% (Figures 2, 3, and 4)² resulting in an increase in DNA service requests.



¹ <https://data.census.gov/cedsci/table?q=05000000US47037&tid=PEPPPOP2019.PEPANNRES&hidePreview=true>

² <https://www.fbi.gov/services/cjis/ucr/publications>

Figure 3. Homicide Rate

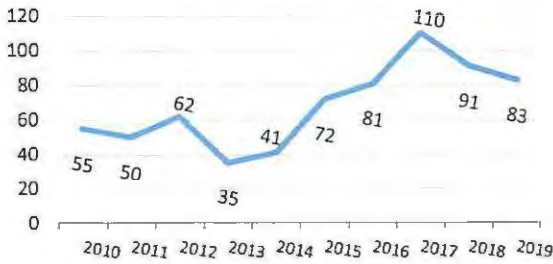
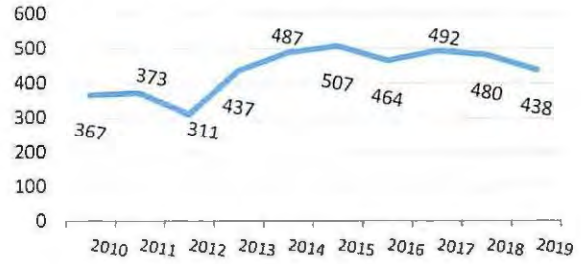
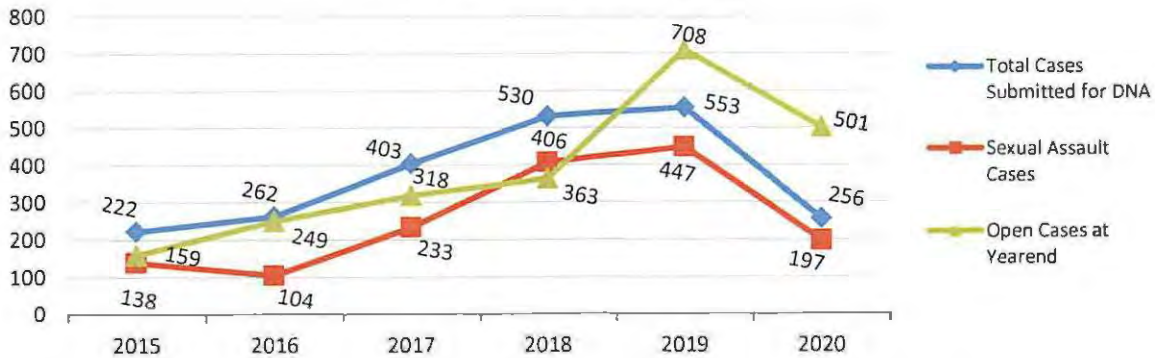


Figure 4. Sexual Assault Rate



In April 2015, Tennessee enacted legislation requiring 100% testing of sexual assault kits.³ As a result, the volume of DNA testing service requests for sexual assault cases significantly increased, with the exception of 2020, likely due to the pandemic (Figure 5).

Figure 5. 2015 Legislation Impact



Due to the increase in population, violent crime, and legislation, the MNPd-CL has had to reallocate resources to meet the immediate needs of those Units whose requests for services have been directly impacted. Consequently, the MNPd-CL Toxicology Unit has been impacted by the reallocation of its resources.

Since it's opening in May 2015, the MNPd-CL Toxicology Unit has conducted forensic blood analysis on all Driving Under the Influence (DUI) cases for alcohol as well as a panel of 87 drugs of abuse, 16 of which are opioids. In 2019, the Toxicology Subcommittee of the

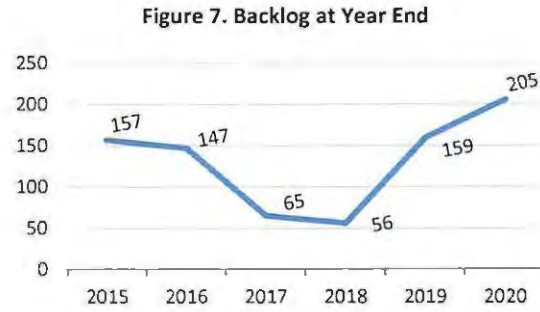
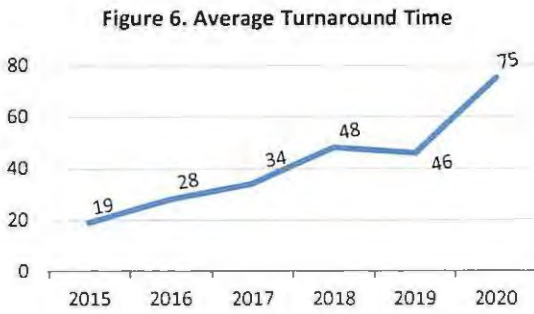
³ <https://openstates.org/tn/bills/109/HB1239/>

Organizational Scientific Area Committee established a standard for the analytical scope and recommended drug testing levels for forensic toxicology testing in impaired driving investigations.⁴ At present, the Unit is unable to meet these recommendations, particularly for some opioids, due to the age and lack of sensitivity of the SCIEX 3200 QTRAP LC-MS/MS currently in use. Nominal mass analyzers like the 3200 QTRAP LC-MS/MS system offer significant advantages over other common drug screening methodologies like ELISA and GC-MS. Namely, QQQ and QTRAP mass spectrometers provide greater specificity than ELISA, leading to an overall reduction in false positives. Additionally, LC-MS eliminates much of the complex sample preparation associated with GC-MS workflows, improving laboratory efficiency and reduction in user error.

However, nominal mass instruments like the 3200 QTRAP acquire data in a targeted fashion, meaning the laboratory must program the mass spectrometer to search for specific analytes. Data is not collected for analytes not optimized in the target list. Further, QQQ and QTRAP systems are best suited to analyze for a small to moderate number of targets in a particular method. This is due to the fact that these instruments can only read one mass at a time. Therefore, the instrument must rapidly cycle through the target list before it can generate a chromatographic data point. If too much time is spent on any particular mass, chromatographic data points will be spread out and low-level targets could be missed altogether. If too little time is spent on a particular mass, sensitivity could suffer and lead to a similar outcome.

In addition to sensitivity level, the age and model of instrumentation has increased turnaround time and backlog. Because of instrument downtime and poor performance, 33% of cases are reanalyzed; and turnaround time has increased 295% and backlog has increased 30.5% when compared to 2015 (Figure 6 and 7).

⁴ http://www.asbstandardsboard.org/wp-content/uploads/2019/09/120_Std_Ballot01.pdf



Backlog reduction, decreased turnaround time, and a more sensitive, enhanced drug testing panel will greatly benefit the citizens and visitors of Davidson County. Nashville and Davidson County has not been immune to the opioid crisis as evidenced in the amount of drug positive DUI cases that have been reported by the MNPD-CL Toxicology Unit. Drug positive cases represent 69.5% of the total case output in 2020, with 19.8% of drug positive cases containing opioids and 15% of drug positive cases containing Fentanyl and Norfentanyl. Fentanyl is the number three (3) drug reported in the MNPD-CL Toxicology Unit, behind marijuana and cocaine. Currently, the Unit is unable to test for recommended levels of Fentanyl, a Tier One compound, emerging Fentanyl analogs, and numerous Tier Two compounds as recommended by the Toxicology Subcommittee of the Organizational Scientific Area Committee. These undetectable compounds have become increasingly prevalent since 2015.

Implementation of the SCIEX X500R QTOF system for casework will provide more comprehensive and timely results to the criminal justice community, streamline the testing process within the Toxicology Unit, and allow for faster adjudication of DUI cases.

Project Design and Implementation

Goal

The goal of this project is to increase the Toxicology Unit's capacity to process cases more efficiently and increase screening sensitivity, in so doing helping to reduce the turnaround time and backlog.

Plan

The SCIEX X500R QTOF system will enhance the Unit's screening capabilities to deal with increasing numbers of designer drugs and analogs. The system also offers higher resolution with the ability to accurately measure target masses to the 4th decimal place, providing greater confidence in comparing identified targets to their actual mass.

The acquisition and implementation of the SCIEX X500R QTOF system would fulfill the mission of the MNPd-CL's commitment to provide timely forensic services of superior quality to the Metropolitan Nashville and Davidson County area.

Objective 1: Instrumentation Procurement

The MNPd-CL will initiate the procurement of a SCIEX X500R QTOF system from SCIEX once this grant funding has been awarded. This process will be initiated and overseen by the MNPd-CL Business Manager. Due to the MNPd-CL being part of a larger organization and governed by its procurement policies, it is projected this will be completed by September 30, 2022.

Objective 2: Instrument Implementation

Once the instrument is procured and delivered, Sciex will install and train the Toxicology Unit's staff. It is projected this will be completed by September 30, 2023.

Capabilities and Competencies

The MNPD-CL Toxicology Unit provides forensic toxicology testing services on blood samples collected from DUI cases. The scope of this project will be overseen by the MNPD-CL Toxicology Supervisor / Technical Leader.

The MNPD-CL is committed to continuous improvement and efficiency and has made every effort to obtain updated instrumentation and maintain adequate staffing levels to meet the ever-changing demands of forensic toxicology testing services. The Toxicology Unit is currently equipped with LC-MS/MS and Headspace-FID/MS instrumentation, software for data analysis, and chemical reference materials.

In terms of staffing competency, the Unit Supervisor / Technical Leader has nine (9) years of experience in forensic toxicology analysis; two (2) Forensic Scientists are fully trained and qualified in forensic toxicology analysis.

Plan for Collecting Performance Measure Data

Performance measure data will be derived from the current existing LIMS and will serve as the metrics collection and storage medium.

To calculate reduction in response time for requests (turnaround time), decrease in forensic toxicology backlog, and the number of new compounds being tested, Crystal reports written in the LIMS can collect and determine the sum of cases and samples submitted and completed, the average turnaround time, and the existing backlog during a reporting / grant

period to be used for comparison to the baseline backlog data. The data will therefore be able to measure the impact of the federal funds provided for this project. All data is auditable as the MNPD-CL retains all technical records from which the data is derived. All data entered and collected will be available for review for five (5) years from the date of submission of the final federal financial report under the award, or as otherwise required by law.

The system for metric collection has demonstrated its value and accuracy. These same metrics are used by the MNPD-CL to determine areas of needed improvement. Once the data has been exported out of the LIMS, the Toxicology Unit Supervisor / Technical Leader will be responsible for calculating the data for reporting.

By obtaining and implementing the SCIEX X500R QTOF system, the MNPD-CL Toxicology Unit would be able to enhance its testing capabilities by adding new compounds to the testing panel, increase sensitivity to detect lower levels of target compounds, and decrease the backlog and turnaround time of forensic toxicology cases. This will also support the Lab's customer's efforts to more efficiently identify emerging drug trends within Davidson County.

Budget Detail Worksheet

OMB Approval NO.: 1121-0329

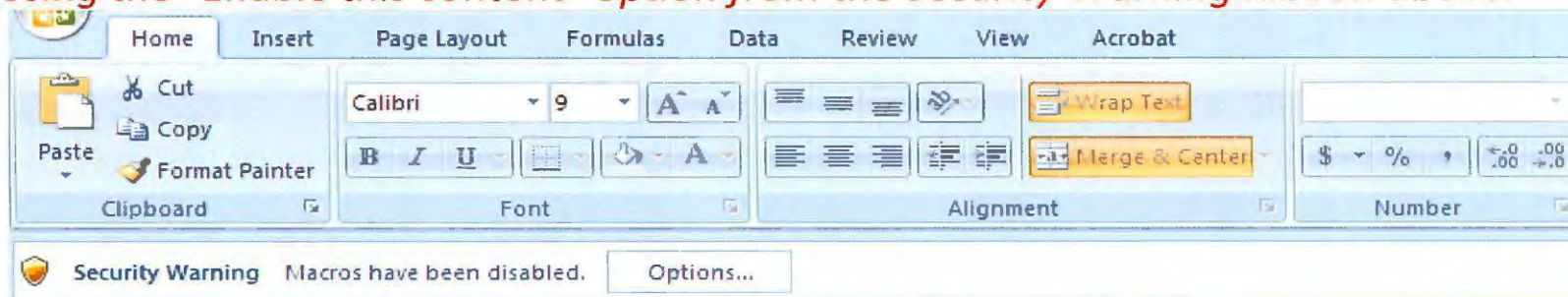
Expires 11/30/2020

For a 508 compliant, accessible version of the Budget Detail Worksheet, use the following link:

<https://ojp.gov/funding/Apply/Forms/BudgetDetailWorksheet/BDW508.pdf>

Worksheet Instructions

Note: This document requires macros be enabled to work properly. Please ensure that macros are enabled before entering any data. You may be able to enable macros by choosing the "Enable this content" option from the Security Warning Ribbon above.



If the ribbon is not visible you may have been prompted to enable macros when you opened the document as pictured here. If you elected to disable macros,

Budget Sheet Instructions



please close the document and reopen it with macros enabled.

Purpose:

The Budget Detail Worksheet is provided for your use in the preparation of the budget and budget narrative. All required information (including the budget narrative) must be provided. Any category of expense not applicable to your budget may be left blank. Indicate any non-federal (match) amount in the appropriate category, if applicable.

How to use this Workbook:

The workbook includes several different worksheets. The first worksheet (this one) is an instruction sheet; the next worksheet includes the budget detail worksheet and narrative for year 1. There are duplicates of this worksheet for years 2-5 that can be completed as necessary. The last worksheet is a Budget Summary. It compiles all of the relevant budget information into a single location and should be reviewed for correctness before the workbook is uploaded to the GMS application.

Step by Step Usage:

1. Please read and print this instruction page. It can be used as a reference while completing the rest of the document.
2. For each budget category, you can see a sample by viewing the 'Budget Detail Example Sheet'.
3. The 'Definitions' tab explains terms used in the instructions for the various budget categories.
4. **Record Retention:** In accordance with the requirements set forth in 2 CFR Part 200.333, all financial records, supporting documents, statistical records, and all other records pertinent to the award shall be retained by each organization for at least three years following the closure of the audit report covering the grant period.
5. The information disclosed in this form is subject to the Freedom of Information Act under U.S.C. 55.2.

Budget Point of Contact Information:

Contact Name:	Last: Stephens	First: James	Middle:
Contact Phone:	615-880-2850	Contact Fax:	Contact Email: james.stephens@nashville.gov

Budget Sheet Instructions

Worksheet Index:	
Tab	
Budget Detail - Year 1	
Budget Detail - Year 2	
Budget Detail - Year 3	
Budget Detail - Year 4	
Budget Detail - Year 5	
Budget Summary	
Example - Budget Detail Sheet	
Definitions	
Budget Category Descriptions:	
<i>Personnel</i>	List each position by title and name of employee, if available. Show the annual salary rate and the percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities must be consistent with that paid for similar work within the applicant organization. In the budget narrative, include a description of the responsibilities and duties of each position in relationship to fulfilling the project goals and objectives. All requested information must be included in the budget detail worksheet and budget narrative.
<i>Fringe Benefits</i>	Fringe benefits should be based on actual known costs or an approved negotiated rate by a Federal agency. If not based on an approved negotiated rate, list the composition of the fringe benefit package. Fringe benefits are for the personnel listed in the budget category (A) and only for the percentage of time devoted to the project. All requested information must be included in the budget detail worksheet and budget narrative.
<i>Travel</i>	Itemize travel expenses of staff personnel (e.g. staff to training, field interviews, advisory group meeting, etc.). Describe the purpose of each travel expenditure in reference to the project objectives. Show the basis of computation (e.g., six people to 3-day training at \$X airfare, \$X lodging, \$X subsistence). In training projects, travel and meals for trainees should be listed separately. Show the number of trainees and the unit costs involved. Identify the location of travel, if known; or if unknown, indicate "location to be determined." Indicate whether applicant's formal written travel policy or the Federal Travel Regulations are followed. Note: Travel expenses for consultants should be included in the "Consultant Travel" data fields under the "Subawards (Subgrants)/Procurement Contracts" category.
<i>Equipment</i>	List non-expendable items that are to be purchased (Note: Organization's own capitalization policy for classification of equipment should be used). <u>Expendable</u> items should be included in the "Supplies" category. Applicants should analyze the cost benefits of purchasing versus leasing equipment, especially high cost items and those subject to rapid technological advances. Rented or leased equipment costs should be listed in the "Contracts" data fields under the "Subawards (Subgrants)/Procurement Contracts" category. In the budget narrative, explain how the equipment is necessary for the success of the project, and describe the procurement method to be used. All requested information must be included in the budget detail worksheet and budget narrative.

Budget Sheet Instructions

<i>Supplies</i>	List items by type (office supplies, postage, training materials, copy paper, and expendable equipment items costing less than \$5,000, such as books, hand held tape recorders) and show the basis for computation. Generally, supplies include any materials that are expendable or consumed during the course of the project. All requested information must be included in the budget detail worksheet and budget narrative.
<i>Construction</i>	Provide a description of the construction project and an estimate of the costs. Minor repairs or renovations may be allowable and should be classified in the "Other" category. OJP does not currently fund construction programs. Consult with the program office before budgeting funds in this category. All requested information must be included in the budget detail worksheet and budget narrative.
<i>Subawards (Subgrants), Procurement Contracts, & Consultant Fees</i>	<p>Subawards (see "Subaward" definition at 2 CFR 200.92): Provide a description of the Federal award activities proposed to be carried out by any subrecipient and an estimate of the cost (include the cost per subrecipient, to the extent known prior to application submission). For each subrecipient, enter the subrecipient entity name, if known. Please indicate any subaward information included under budget category G. Subawards (Subgrants)/Procurement Contracts by including the label "(subaward)" with each subaward entry.</p> <p>Procurement contracts (see "Contract" definition at 2 CFR 200.22): Provide a description of the product or service to be procured by contract and an estimate of the cost. Indicate whether the applicant's formal, written Procurement Policy or the Federal Acquisition Regulation is followed. Applicants are encouraged to promote free and open competition in awarding procurement contracts. A separate justification must be provided for sole source procurements in excess of the Simplified Acquisition Threshold set in accordance with 41 U.S.C. 1908 (currently set at \$150,000).</p> <p>Consultant Fees: For each consultant enter the name, if known, service to be provided, hourly or daily fee (8-hour day), and estimated time on the project. Consultant fees in excess of the DOJ grant-making component's maximum rate for an 8-hour day (currently \$650) require additional justification and prior approval from the respective DOJ grant-making component. All requested information must be included in the budget detail worksheet and budget narrative.</p>
<i>Other Costs</i>	List items (e.g., rent, reproduction, telephone, janitorial or security services, and investigative or confidential funds) by type and the basis of the computation. For example, provide the square footage and the cost per square foot for rent, or provide a monthly rental cost and how many months to rent. All requested information must be included in the budget detail worksheet and budget narrative.

Budget Sheet Instructions

<i>Indirect Costs</i>	<p>Indirect costs are allowed only if: a) the applicant has a current, federally approved indirect cost rate; or b) the applicant is eligible to use and elects to use the "de minimis" indirect cost rate described in 2 C.F.R. 200.414(f). (See paragraph D.1.b. in Appendix VII to Part 200—States and Local Government and Indian Tribe Indirect Cost Proposals for a description of entities that may not elect to use the "de minimis" rate.) An applicant with a current, federally approved indirect cost rate must attach a copy of the rate approval, (a fully-executed, negotiated agreement. If the applicant does not have an approved rate, one can be requested by contacting the applicant's cognizant Federal agency, which will review all documentation and approve a rate for the applicant organization, or if the applicant's accounting system permits, costs may be allocated in the direct costs categories. (Applicant Indian tribal governments, in particular, should review Appendix VII to Part 200—States and Local Government and Indian Tribe Indirect Cost Proposals regarding submission and documentation of indirect cost proposals.) Narrative for any indirect costs should clearly state which direct costs the indirect cost agreement is being applied to. All requested information must be included in the budget detail worksheet and budget narrative.</p> <p>In order to use the "de minimis" indirect rate an applicant would need to attach written documentation to the application that advises DOJ of both the applicant's eligibility (to use the "de minimis" rate) and its election. If the applicant elects the de minimis method, costs must be consistently charged as either indirect or direct costs, but may not be double charged or inconsistently charged as both. In addition, if this method is chosen then it must be used consistently for all federal awards until such time as the applicant entity chooses to negotiate a federally approved indirect cost rate.</p>
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Budget Detail - Year 1

Does this budget contain conference costs which is defined broadly to include meetings, retreats, seminars, symposia, and training activities? - Y/N
 (DOJ Financial Guide, Section 3.10)

A. Personnel

Name <i>List each name, if known.</i>	Position <i>List each position, if known.</i>	Computation <i>Show annual salary rate & amount of time devoted to the project for each name/position.</i>						
		Salary	Rate	Time Worked <i>(# of hours, days, months, years)</i>	Percentage of Time	Total Cost	Non-Federal Contribution	Federal Request
						\$0		\$0
Total(s)						\$0	\$0	\$0

Narrative

B. Fringe Benefits					
Name <i>List each grant-supported position receiving fringe benefits.</i>	Computation <i>Show the basis for computation.</i>				
	Base	Rate	Total Cost	Non-Federal Contribution	Federal Request
			\$0		\$0
Total(s)			\$0	\$0	\$0
Narrative					

Purpose Area #4

C. Travel											
Purpose of Travel	Location	Type of Expense	Basis	Computation							
<i>Indicate the purpose of each trip or type of trip (training, advisory group meeting)</i>	<i>Indicate the travel destination.</i>	<i>Lodging, Meals, Etc.</i>	<i>Per day, mile, trip, Etc.</i>	<i>Compute the cost of each type of expense X the number of people traveling.</i>							
				Cost	Quantity	# of Staff	# of Trips	Total Cost	Non-Federal Contribution	Federal Request	
			N/A					\$0		\$0	
								Total(s)	\$0	\$0	\$0
Narrative											

D. Equipment					
Item <i>List and describe each item of equipment that will be purchased</i>	Computation <i>Compute the cost (e.g., the number of each item to be purchased X the cost per item)</i>				
	# of Items	Unit Cost	Total Cost	Non-Federal Contribution	Federal Request
			\$0		\$0
			Total(s)	\$0	\$0
Narrative					

E. Supplies						
Supply Items		Computation				
<i>Provide a list of the types of items to be purchased with grant funds.</i>		<i>Describe the item and the compute the costs. Computation: The number of each item to be purchased X the cost per item.</i>				
		# of Items	Unit Cost	Total Cost	Non-Federal Contribution	Federal Request
				\$0		\$0
Total(s)				\$0	\$0	\$0
Narrative						

F. Construction						
Purpose <i>Provide the purpose of the construction</i>	Description of Work <i>Describe the construction project(s)</i>	Computation <i>Compute the costs (e.g., the number of each item to be purchased X the cost per item)</i>				
		# of Items	Cost	Total Cost	Non-Federal Contribution	Federal Request
				\$0		\$0
				Total(s)	\$0	\$0
Narrative						

G. Subawards (Subgrants)										
Description	Purpose			Consultant?						
<i>Provide a description of the activities to be carried out by subrecipients.</i>	<i>Describe the purpose of the subaward (subgrant)</i>			<i>Is the subaward for a consultant? If yes, use the section below to explain associated travel expenses included in the cost.</i>						
						Total Cost	Non-Federal Contribution	Federal Request		
						Total(s)	\$0	\$0	\$0	
Consultant Travel (if necessary)										
Purpose of Travel	Location	Type of Expense		Computation						
<i>Indicate the purpose of each trip or type of trip (training, advisory group meeting)</i>	<i>Indicate the travel destination.</i>	<i>Hotel, airfare, per diem</i>		<i>Compute the cost of each type of expense X the number of people traveling.</i>						
				Cost	Duration or Distance	# of Staff	Total Cost	Non-Federal Contribution	Federal Request	
							\$0		\$0	
				Total			\$0	\$0	\$0	
Narrative										
H. Procurement Contracts										
Description	Purpose			Consultant?						

Purpose Area #4

<p><i>Provide a description of the products or services to be procured by contract and an estimate of the costs. Applicants are encouraged to promote free and open competition in awarding contracts. A separate justification must be provided for sole source procurements in excess of the Simplified Acquisition Threshold (currently \$150,000).</i></p>	<p><i>Describe the purpose of the contract</i></p>	<p><i>Is the subaward for a consultant? If yes, use the section below to explain associated travel expenses included in the cost.</i></p>						
			Total Cost	Non-Federal Contribution	Federal Request			
					\$0			
		Total(s)	\$0	\$0	\$0			
Consultant Travel (if necessary)								
Purpose of Travel <small>Indicate the purpose of each trip or type of trip (training, advisory group meeting)</small>	Location <small>Indicate the travel destination.</small>	Type of Expense <small>Hotel, airfare, per diem</small>	Computation <small>Compute the cost of each type of expense X the number of people traveling.</small>					
			Cost	Duration or Distance	# of Staff	Total Cost	Non-Federal Contribution	Federal Request
						\$0		\$0
			Total			\$0	\$0	\$0
Narrative								
I. Other Costs								
Description <small>List and describe items that will be paid with grants funds (e.g. rent, reproduction, telephone, janitorial, or security services, and investigative or confidential funds).</small>			Computation <small>Show the basis for computation</small>					

Purpose Area #4

	<i>Quantity</i>	<i>Basis</i>	<i>Cost</i>	<i>Length of Time</i>	<i>Total Cost</i>	<i>Non-Federal Contribution</i>	<i>Federal Request</i>
					\$0		\$0
<i>Total(s)</i>					\$0	\$0	\$0
<i>Narrative</i>							

Purpose Area #4

J. Indirect Costs						
Description <i>Describe what the approved rate is and how it is applied.</i>		Computation <i>Compute the indirect costs for those portions of the program which allow such costs.</i>				
		<i>Base</i>	<i>Indirect Cost Rate</i>	<i>Total Cost</i>	<i>Non-Federal Contribution</i>	<i>Federal Request</i>
				\$0		\$0
Total(s)				\$0	\$0	\$0
Narrative						

Budget Detail - Year 2

Does this budget contain conference costs which is defined broadly to include meetings, retreats, seminars, symposia, and training activities? - Y/N
 (DOJ Financial Guide, Section 3.10)

A. Personnel

Name <i>List each name, if known.</i>	Position <i>List each position, if known.</i>	Computation <i>Show annual salary rate & amount of time devoted to the project for each name/position.</i>						
		<i>Salary</i>	<i>Rate</i>	<i>Time Worked</i> <i>(# of hours, days, months, years)</i>	<i>Percentage of Time</i>	<i>Total Cost</i>	<i>Non-Federal Contribution</i>	<i>Federal Request</i>
						\$0		\$0
Total(s)						\$0	\$0	\$0

Narrative

B. Fringe Benefits						
Name <i>List each grant-supported position receiving fringe benefits.</i>		Computation <i>Show the basis for computation.</i>				
		<i>Base</i>	<i>Rate</i>	<i>Total Cost</i>	<i>Non-Federal Contribution</i>	<i>Federal Request</i>
				\$0		\$0
Total(s)				\$0	\$0	\$0
Narrative						

Purpose Area #4

C. Travel										
Purpose of Travel	Location	Type of Expense	Basis	Computation						
<i>Indicate the purpose of each trip or type of trip (training, advisory group meeting)</i>	<i>Indicate the travel destination.</i>	<i>Lodging, Meals, Etc.</i>	<i>Per day, mile, trip, Etc.</i>	<i>Compute the cost of each type of expense X the number of people traveling.</i>						
				Cost	Quantity	# of Staff	# of Trips	Total Cost	Non-Federal Contribution	Federal Request
			N/A					\$0		\$0
Total(s)								\$0	\$0	\$0
Narrative										

Purpose Area #4

D. Equipment					
Item <i>List and describe each item of equipment that will be purchased</i>	Computation <i>Compute the cost (e.g., the number of each item to be purchased X the cost per item)</i>				
	# of Items	Unit Cost	Total Cost	Non-Federal Contribution	Federal Request
SCIEX X500R QTOF System	1	\$269,062.75	\$269,063	\$19,063	\$250,000
			Total(s)	\$269,063	\$19,063
Narrative					
<p>The goal of this project is to increase the Toxicology Unit's capacity to process cases more efficiently, in so doing helping to reduce the turnaround time and backlog. This grant will allow the MNPD-CL to bridge the gap in funds needed to purchase the SCIEX X500R QTOF system to decrease turnaround time and cases awaiting analysis and increase the number of target compounds and sensitivity in the current drug testing panel. This project is opioid and synthetic drug related. MNPD-CL will follow the agency's procurement process.</p>					

E. Supplies					
Supply Items		Computation			
<i>Provide a list of the types of items to be purchased with grant funds.</i>		<i>Describe the item and the compute the costs. Computation: The number of each item to be purchased X the cost per item.</i>			
	# of Items	Unit Cost	Total Cost	Non-Federal Contribution	Federal Request
			\$0		\$0
Total(s)			\$0	\$0	\$0
Narrative					

F. Construction						
Purpose <i>Provide the purpose of the construction</i>	Description of Work <i>Describe the construction project(s)</i>	Computation <i>Compute the costs (e.g., the number of each item to be purchased X the cost per item)</i>				
		# of Items	Cost	Total Cost	Non-Federal Contribution	Federal Request
				\$0		\$0
				Total(s)	\$0	\$0
Narrative						

G. Subawards (Subgrants)								
Description	Purpose	Consultant?						
<i>Provide a description of the activities to be carried out by subrecipients.</i>	<i>Describe the purpose of the subaward (subgrant)</i>	<i>Is the subaward for a consultant? If yes, use the section below to explain associated travel expenses included in the cost.</i>						
			Total Cost	Non-Federal Contribution	Federal Request			
					\$0			
Total(s)			\$0	\$0	\$0			
Consultant Travel (if necessary)								
Purpose of Travel	Location	Type of Expense	Computation					
<i>Indicate the purpose of each trip or type of trip (training, advisory group meeting)</i>	<i>Indicate the travel destination.</i>	<i>Hotel, airfare, per diem</i>	<i>Compute the cost of each type of expense X the number of people traveling.</i>					
			Cost	Duration or Distance	# of Staff	Total Cost	Non-Federal Contribution	Federal Request
						\$0		\$0
Total						\$0	\$0	\$0
Narrative								
H. Procurement Contracts								
Description	Purpose	Consultant?						

Purpose Area #4

<i>Provide a description of the products or services to be procured by contract and an estimate of the costs. Applicants are encouraged to promote free and open competition in awarding contracts. A separate justification must be provided for sole source procurements in excess of the Simplified Acquisition Threshold (currently \$150,000).</i>	Describe the purpose of the contract	Is the subaward for a consultant? If yes, use the section below to explain associated travel expenses included in the cost.			
			Total Cost	Non-Federal Contribution	Federal Request
					\$0
		Total(s)	\$0	\$0	\$0
Consultant Travel (if necessary)					
Purpose of Travel <i>Indicate the purpose of each trip or type of trip (training, advisory group meeting)</i>	Location <i>Indicate the travel destination.</i>	Type of Expense <i>Hotel, airfare, per diem</i>	Computation <i>Compute the cost of each type of expense X the number of people traveling.</i>		
			Cost	Duration or Distance	# of Staff
			\$0		\$0
			Total	\$0	\$0
Narrative					
I. Other Costs					
Description <i>List and describe items that will be paid with grants funds (e.g. rent, reproduction, telephone, janitorial, or security services, and investigative or confidential funds).</i>		Computation <i>Show the basis for computation</i>			

Purpose Area #4

	<i>Quantity</i>	<i>Basis</i>	<i>Cost</i>	<i>Length of Time</i>	<i>Total Cost</i>	<i>Non-Federal Contribution</i>	<i>Federal Request</i>
					\$0		\$0
<i>Total(s)</i>					\$0	\$0	\$0
Narrative							

J. Indirect Costs						
Description <i>Describe what the approved rate is and how it is applied.</i>		Computation <i>Compute the indirect costs for those portions of the program which allow such costs.</i>				
		<i>Base</i>	<i>Indirect Cost Rate</i>	<i>Total Cost</i>	<i>Non-Federal Contribution</i>	<i>Federal Request</i>
				\$0		\$0
<i>Total(s)</i>				\$0	\$0	\$0
Narrative						

Budget Summary

Budget Summary											
<i>Note: Any errors detected on this page should be fixed on the corresponding Budget Detail tab.</i>											
Budget Category	Year 1		Year 2 (if needed)		Year 3 (if needed)		Year 4 (if needed)		Year 5 (if needed)		Total(s)
	Federal Request	Non-Federal Request	Federal Request	Non-Federal Request	Federal Request	Non-Federal Request	Federal Request	Non-Federal Request	Federal Request	Non-Federal Request	
A. Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B. Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Equipment	\$0	\$0	\$250,000	\$19,063	\$0	\$0	\$0	\$0	\$0	\$0	\$269,063
E. Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
F. Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G. Subawards (Subgrants)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
H. Procurement Contracts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
I. Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Direct Costs	\$0	\$0	\$250,000	\$19,063	\$0	\$0	\$0	\$0	\$0	\$0	\$269,063
J. Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Project Costs	\$0	\$0	\$250,000	\$19,063	\$0	\$0	\$0	\$0	\$0	\$0	\$269,063
Does this budget contain conference costs which is defined broadly to include meetings, retreats, seminars, symposia, and training activities? - Y/N										No	

U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS
BUREAU OF JUSTICE ASSISTANCE

FY 2021 Coverdell Forensic Science Improvement
Grants Program

Certification as to Plan for Forensic Science Laboratories—
Application from a Unit of Local Government

On behalf of the applicant agency named below, I certify the following to the Bureau of Justice Assistance, Office of Justice Programs, U.S. Department of Justice:

This unit of local government has developed a plan for forensic science laboratories under a program intended to improve the quality and timeliness of forensic science or medical examiner services provided by the laboratories operated by the applicant unit of local government and any other government-operated laboratories within the State that will receive a portion of the grant amount.

I acknowledge that a false statement in this certification or in the grant application that it supports may be the subject of criminal prosecution, including under 18 U.S.C. § 1001 and/or 1621 and 34 U.S.C. §§ 10271-10273. I also acknowledge that Office of Justice Programs grants, including certifications provided in connection with such grants, are subject to review by the Office of Justice Programs and/or by the Department of Justice's Office of the Inspector General.

I have authority to make this certification on behalf of the applicant agency (that is, the agency applying directly to the Bureau of Justice Assistance).

Amanda Sweet
Signature of Certifying Official

Amanda Sweet
Printed Name of Certifying Official

Interim Director
Title of Certifying Official

at Metro Nashville Police Department Crime Laboratory (TN.)
Name of Applicant Agency (Including Name of Unit of Local Government)

6/2/21
Date

U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS
BUREAU OF JUSTICE ASSISTANCE

**FY 2021 Coverdell Forensic Science Improvement
Grants Program**

Certification as to Generally Accepted Laboratory
Practices and Procedures

On behalf of the applicant agency named below, I certify the following to the Bureau of Justice Assistance, Office of Justice Programs, U.S. Department of Justice:

Any forensic science laboratory system, medical examiner's office, or coroner's office in the State, including any laboratory operated by a unit of local government within the State, that will receive any portion of the grant amount uses generally accepted laboratory practices and procedures, established by accrediting organizations or appropriate certifying bodies.

I acknowledge that a false statement in this certification or in the grant application that it supports may be the subject of criminal prosecution, including under 18 U.S.C. § 1001 and/or 1621 and/or 34 U.S.C. §§ 10271-10273. I also acknowledge that Office of Justice Programs grants, including certifications provided in connection with such grants, are subject to review by the Office of Justice Programs and/or by the Department of Justice's Office of the Inspector General.

I have authority to make this certification on behalf of the applicant agency (that is, the agency applying directly to the Bureau of Justice Assistance).

Amanda Sweet
Signature of Certifying Official

Amanda Sweet
Printed Name of Certifying Official

Interim Director
Title of Certifying Official

Metro Nashville Police Department Crime Lab (TN.)
Name of Applicant Agency
(Including Name of State)

6/2/21
Date

U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS
BUREAU OF JUSTICE ASSISTANCE

FY 2021 Coverdell Forensic Science Improvement
Grants Program

Certification as to Plan for Forensic Science Laboratories—
Application from a Unit of Local Government

On behalf of the applicant agency named below, I certify the following to the Bureau of Justice Assistance, Office of Justice Programs, U.S. Department of Justice:

This unit of local government has developed a plan for forensic science laboratories under a program intended to improve the quality and timeliness of forensic science or medical examiner services provided by the laboratories operated by the applicant unit of local government and any other government-operated laboratories within the State that will receive a portion of the grant amount.

I acknowledge that a false statement in this certification or in the grant application that it supports may be the subject of criminal prosecution, including under 18 U.S.C. § 1001 and/or 1621 and 34 U.S.C. §§ 10271-10273. I also acknowledge that Office of Justice Programs grants, including certifications provided in connection with such grants, are subject to review by the Office of Justice Programs and/or by the Department of Justice's Office of the Inspector General.

I have authority to make this certification on behalf of the applicant agency (that is, the agency applying directly to the Bureau of Justice Assistance).

Amanda Sweet
Signature of Certifying Official

Amanda Sweet
Printed Name of Certifying Official

Interim Director
Title of Certifying Official

at
Metro Nashville Police Department Crime Laboratory (TN.)
Name of Applicant Agency (Including Name of Unit of Local Government)

6/2/21
Date

U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS
BUREAU OF JUSTICE ASSISTANCE

FY 2021 Coverdell Forensic Science Improvement
Grants Program

Certification as to Use of Funds for New Facilities

On behalf of the applicant agency named below, I certify the following to the Bureau of Justice Assistance, Office of Justice Programs, U.S. Department of Justice:

The amount of the grant (if any) used for the costs of any new facility or facilities to be constructed as part of a program to improve the quality and timeliness of forensic science and medical examiner services will not exceed the limitations set forth at 34 U.S.C. § 10584(c) and summarized in the FY 2021 Coverdell Forensic Science Improvement Grants Program solicitation.

I acknowledge that a false statement in this certification or in the grant application that it supports may be the subject of criminal prosecution, including under 18 U.S.C. § 1001 and/or 1621 and/or 34 U.S.C. §§ 10271-10273. I also acknowledge that Office of Justice Programs grants, including certifications provided in connection with such grants, are subject to review by the Office of Justice Programs and/or by the Department of Justice's Office of the Inspector General.

I have authority to make this certification on behalf of the applicant agency (that is, the agency applying directly to the Bureau of Justice Assistance).

Amanda Sweet
Signature of Certifying Official

Amanda Sweet
Printed Name of Certifying Official

Interim Director
Title of Certifying Official

Metro Nashville Police Department Crime Lab (TN)
Name of Applicant Agency
(Including Name of State)

6/2/21
Date

U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS
BUREAU OF JUSTICE ASSISTANCE

FY 2021 Coverdell Forensic Science Improvement
Grants Program

Certification as to External Investigations

On behalf of the applicant agency named below, I certify the following to the Bureau of Justice Assistance, Office of Justice Programs, U.S. Department of Justice:

A government entity exists and an appropriate process is 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 medical facility in the State that will receive a portion of the grant amount.

I personally read and reviewed the section entitled "Eligibility Information" in the Fiscal Year 2021 program solicitation for the Coverdell Forensic Science Improvement Grants Program. I acknowledge that a false statement in this certification or in the grant application that it supports may be the subject of criminal prosecution, including under 18 U.S.C. § 1001 and/or 1621 and/or 34 U.S.C. §§ 10271-10273. I also acknowledge that Office of Justice Programs grants, including certifications provided in connection with such grants, are subject to review by the Office of Justice Programs and/or by the Department of Justice's Office of the Inspector General.

I have authority to make this certification on behalf of the applicant agency (that is, the agency applying directly to the Bureau of Justice Assistance).

Amanda Sweet
Signature of Certifying Official

Amanda Sweet
Printed Name of Certifying Official

Interim Director
Title of Certifying Official

Metro Nashville Police Department Crime Lab (TN)
Name of Applicant Agency
(Including Name of State)

6/2/21
Date



U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS

Approved: OMB No. 1121-0329
Expires 12/31/2023

Background

Recipients' financial management systems and internal controls must meet certain requirements, including those set out in the "Part 200 Uniform Requirements" (2.C.F.R. Part 2800).

Including at a minimum, the financial management system of each OJP award recipient must provide for the following:

- (1) Identification, in its accounts, of all Federal awards received and expended and the Federal programs under which they were received. Federal program and Federal award identification must include, as applicable, the CFDA title and number, Federal award identification number and year, and the name of the Federal agency.
- (2) Accurate, current, and complete disclosure of the financial results of each Federal award or program.
- (3) Records that identify adequately the source and application of funds for Federally-funded activities. These records must contain information pertaining to Federal awards, authorizations, obligations, unobligated balances, assets, expenditures, income, and interest, and be supported by source documentation.
- (4) Effective control over, and accountability for, all funds, property, and other assets. The recipient must adequately safeguard all assets and assure that they are used solely for authorized purposes.
- (5) Comparison of expenditures with budget amounts for each Federal award.
- (6) Written procedures to document the receipt and disbursement of Federal funds including procedures to minimize the time elapsing between the transfer of funds from the United States Treasury and the disbursement by the OJP recipient.
- (7) Written procedures for determining the allowability of costs in accordance with both the terms and conditions of the Federal award and the cost principles to apply to the Federal award.
- (8) Other important requirements related to retention requirements for records, use of open and machine readable formats in records, and certain Federal rights of access to award-related records and recipient personnel.

1. Name of Organization and Address:

Organization Name: **Metropolitan Nashville Police Department**

Street1: **600 Murfreesboro Pike**

Street2:

City: **Nashville**

State: **Tn**

Zip Code: **37219**

2. Authorized Representative's Name and Title:

Prefix: First Name: **John**

Middle Name:

Last Name: **Drake**

Suffix:

Title: **Chief of Police**

3. Phone: **(615) 862-7376**

4. Fax: **(615) 880-3077**

5. Email: **chiefofpolice@nashville.gov**

6. Year Established:

1963

7. Employer Identification Number (EIN):

620694743

8. DUNS Number:

078217668

9. a) Is the applicant entity a nonprofit organization (including a nonprofit institution of higher education) as described in 26 U.S.C. 501(c)(3) and exempt from taxation under 26 U.S.C. 501(a)? Yes No

If "No" skip to Question 10.

If "Yes", complete Questions 9. b) and 9. c).



U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS

Approved: OMB No. 1121-0329
Expires 12/31/2023

AUDIT INFORMATION

9. b) Does the applicant nonprofit organization maintain offshore accounts for the purpose of avoiding paying the tax described in 26 U.S.C. 511(a)?

Yes No

9. c) With respect to the most recent year in which the applicant nonprofit organization was required to file a tax return, does the applicant nonprofit organization believe (or assert) that it satisfies the requirements of 26 C.F.R. 53.4958-6 (which relate to the reasonableness of compensation of certain individuals)?

Yes No

If "Yes", refer to "Additional Attachments" under "What An Application Should Include" in the OJP solicitation (or application guidance) under which the applicant is submitting its application. If the solicitation/guidance describes the "Disclosure of Process related to Executive Compensation," the applicant nonprofit organization must provide -- as an attachment to its application -- a disclosure that satisfies the minimum requirements as described by OJP.

For purposes of this questionnaire, an "audit" is conducted by an independent, external auditor using generally accepted auditing standards (GAAS) or Generally Governmental Auditing Standards (GAGAS), and results in an audit report with an opinion.

10. Has the applicant entity undergone any of the following types of audit(s) (Please check all that apply):

- "Single Audit" under OMB A-133 or Subpart F of 2 C.F.R. Part 200
 Financial Statement Audit
 Defense Contract Agency Audit (DCAA)
 Other Audit & Agency (list type of audit):

None (if none, skip to question 13)

11. Most Recent Audit Report Issued: Within the last 12 months Within the last 2 years Over 2 years ago N/A

Name of Audit Agency/Firm:

AUDITOR'S OPINION

12. On the most recent audit, what was the auditor's opinion?

- Unqualified Opinion Qualified Opinion Disclaimer, Going Concern or Adverse Opinions N/A: No audits as described above

Enter the number of findings (if none, enter "0"): 0

Enter the dollar amount of questioned costs (if none, enter "\$0"): 0

Were material weaknesses noted in the report or opinion?

Yes No

13. Which of the following best describes the applicant entity's accounting system:

- Manual Automated Combination of manual and automated

14. Does the applicant entity's accounting system have the capability to identify the receipt and expenditure of award funds separately for each Federal award?

Yes No Not Sure

15. Does the applicant entity's accounting system have the capability to record expenditures for each Federal award by the budget cost categories shown in the approved budget?

Yes No Not Sure

16. Does the applicant entity's accounting system have the capability to record cost sharing ("match") separately for each Federal award, and maintain documentation to support recorded match or cost share?

Yes No Not Sure



U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS

Approved: OMB No. 1121-0329
Expires 12/31/2023

<p>17. Does the applicant entity's accounting system have the capability to accurately track employees actual time spent performing work for each federal award, and to accurately allocate charges for employee salaries and wages for each federal award, and maintain records to support the actual time spent and specific allocation of charges associated with each applicant employee?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p>
<p>18. Does the applicant entity's accounting system include budgetary controls to preclude the applicant entity from incurring obligations or costs that exceed the amount of funds available under a federal award (the total amount of the award, as well as the amount available in each budget cost category)?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p>
<p>19. Is applicant entity familiar with the "cost principles" that apply to recent and future federal awards, including the general and specific principles set out in 2 C.F.R Part 200?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p>
<p>PROPERTY STANDARDS AND PROCUREMENT STANDARDS</p>	
<p>20. Does the applicant entity's property management system(s) maintain the following information on property purchased with federal award funds (1) a description of the property; (2) an identification number; (3) the source of funding for the property, including the award number; (4) who holds title; (5) acquisition date; (6) acquisition cost; (7) federal share of the acquisition cost; (8) location and condition of the property; (9) ultimate disposition information?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p>
<p>21. Does the applicant entity maintain written policies and procedures for procurement transactions that -- (1) are designed to avoid unnecessary or duplicative purchases; (2) provide for analysis of lease versus purchase alternatives; (3) set out a process for soliciting goods and services, and (4) include standards of conduct that address conflicts of interest?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p>
<p>22. a) Are the applicant entity's procurement policies and procedures designed to ensure that procurements are conducted in a manner that provides full and open competition to the extent practicable, and to avoid practices that restrict competition?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p>
<p>22. b) Do the applicant entity's procurement policies and procedures require documentation of the history of a procurement, including the rationale for the method of procurement, selection of contract type, selection or rejection of contractors, and basis for the contract price?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p>
<p>23. Does the applicant entity have written policies and procedures designed to prevent the applicant entity from entering into a procurement contract under a federal award with any entity or individual that is suspended or debarred from such contracts, including provisions for checking the "Excluded Parties List" system (www.sam.gov) for suspended or debarred sub-grantees and contractors, prior to award?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p>
<p>TRAVEL POLICY</p>	
<p>24. Does the applicant entity:</p> <p>(a) maintain a standard travel policy? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(b) adhere to the Federal Travel Regulation (FTR)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>SUBRECIPIENT MANAGEMENT AND MONITORING</p>	
<p>25. Does the applicant entity have written policies, procedures, and/or guidance designed to ensure that any subawards made by the applicant entity under a federal award -- (1) clearly document applicable federal requirements, (2) are appropriately monitored by the applicant, and (3) comply with the requirements in 2 CFR Part 200 (see 2 CFR 200.331)?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Sure</p> <p><input type="checkbox"/> N/A - Applicant does not make subawards under any OJP awards</p>



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26. Is the applicant entity aware of the differences between subawards under federal awards and procurement contracts under federal awards, including the different roles and responsibilities associated with each?

- Yes No Not Sure
 N/A - Applicant does not make subawards under any OJP awards

27. Does the applicant entity have written policies and procedures designed to prevent the applicant entity from making a subaward under a federal award to any entity or individual is suspended or debarred from such subawards?

- Yes No Not Sure
 N/A - Applicant does not make subawards under any OJP awards

DESIGNATION AS 'HIGH-RISK' BY OTHER FEDERAL AGENCIES

28. Is the applicant entity designated "high risk" by a federal grant-making agency outside of DOJ? (High risk includes any status under which a federal awarding agency provides additional oversight due to the applicant's past performance, or other programmatic or financial concerns with the applicant.)

- Yes No Not Sure

If "Yes", provide the following:

(a) Name(s) of the federal awarding agency:

[REDACTED]

(b) Date(s) the agency notified the applicant entity of the "high risk" designation:

[REDACTED]

(c) Contact information for the "high risk" point of contact at the federal agency:

Name:

[REDACTED]

Phone:

[REDACTED]

Email:

[REDACTED]

(d) Reason for "high risk" status, as set out by the federal agency:

[REDACTED]

CERTIFICATION ON BEHALF OF THE APPLICANT ENTITY

(Must be made by the chief executive, executive director, chief financial officer, designated authorized representative ("AOR"), or other official with the requisite knowledge and authority)

On behalf of the applicant entity, I certify to the U.S. Department of Justice that the information provided above is complete and correct to the best of my knowledge. I have the requisite authority and information to make this certification on behalf of the applicant entity.

Name: **Samir Mehic**

Date: **2021-06-08**

Title: Executive Director Chief Financial Officer Chairman

Other: [REDACTED]

Phone: **(615) 862-7363**

FY 2021 Coverdell Forensic Science Improvement Grants Program

Attachment: External Investigations

The "Certification as to External Investigations" that is submitted on behalf of the applicant agency as part of this application certifies that—

A government entity exists and an appropriate process is 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 medical facility in the State that will receive a portion of the grant amount.

Prior to receiving funds, the applicant agency (that is, the agency applying directly to the Bureau of Justice) must provide—for each forensic laboratory system, medical examiner's office, coroner's office, law enforcement storage facility, or medical facility that will receive a portion of the grant amount—the name of the "government entity" (or entities) that forms the basis for the certification. Please use the template below to provide this information. (Applicants may adapt this template if necessary, but should ensure that the adapted document provides all required information.)

IMPORTANT NOTE: If necessary for accuracy, list more than one entity with respect to each intended recipient of a portion of the grant amount. For example, if no single entity has an appropriate process in place with respect to allegations of serious negligence as well as serious misconduct, it will be necessary to list more than one entity. Similarly, if no single entity has an appropriate process in place with respect to allegations concerning contractors as well as employees, it will be necessary to list more than one entity.

Additional guidance regarding the "Certification as to External Investigations" appears in the Eligibility Information section of the program solicitation for the FY 2021 Coverdell program.

Name of Applicant Agency (including Name of State):

Metro Nashville Police Department (MNPd) - Tennessee

Date: June 2, 2021

Name of any forensic laboratory system, medical examiner's office, coroner's office, law enforcement storage facility, or medical facility that will receive a portion of the grant amount

Existing government entity (entities) with an appropriate process in place to conduct independent external investigations

1. MNPd Crime Lab

MNPd Office of Professional Accountability

2. _____



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

2000 Regency Parkway, Suite 430, Cary, NC 27518

This is to certify that

Metro Nashville Police Department Crime Laboratory

has been assessed by ANAB
and meets the requirements of

ISO/IEC 17025:2005

**ANAB 17025:2005 Forensic Science Testing Laboratories
Accreditation Requirements:2017**

FBI Quality Assurance Standards for Forensic Testing Laboratories:2011

while demonstrating technical competence in the field of

FORENSIC TESTING

Refer to the accompanying Scope of Accreditation for information
regarding the types of tests to which this accreditation applies

Certificate Number: FT-0062

Valid to: 01/31/2023

Pamela L. Sale
Vice President, Forensics





ANSI-ASQ National Accreditation Board

SCOPE OF ACCREDITATION TO: ISO/IEC 17025:2005

ANAB 17025:2005 Forensic Science Testing Laboratories Accreditation Requirements:2017
FBI Quality Assurance Standards for Forensic Testing Laboratories:2011

Metro Nashville Police Department Crime Laboratory

400 Myatt Drive, Suite 200
Madison, TN 37115

FORENSIC TESTING

Valid to: January 31, 2023

Certificate Number: FT-0062

Discipline: Biology			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Collection	Forensic Biology Quality Manual – Evidence Handling; Forensic Biology Technical Procedures Manual (FBU TPM) – Sample Preparation	Physical Evidence	Refer to Method
DNA-STR	Flexible Scope ¹	Blood, Saliva, Hair, Semen, Epithelial Cells	Robotic Extraction, Q-PCR, Thermal Cycler, Capillary Electrophoresis, Liquid Handler, Data Analysis Software
Body Fluid Identification	FBU TPM – Leeds Spectral Vision, Phenolphthalein, RSID Blood Test, Acid Phosphatase Mapping Test, Microscopic Examination for Sperm, ABACard p30 Test	Blood, Semen	Refer to Method
Individual Characteristic Database	CODIS Manual – DNA Profile Entry, Searching the Database, Match Management	DNA Profiles	Combined DNA Index System (CODIS)



**Metro Nashville Police Department
Crime Laboratory**

FT-0062

Discipline: Firearms and Toolmarks			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Collection	Firearms/Toolmark Technical Procedure Manual (FTIU TPM) – Test Firing	Physical Evidence	Refer to Method
Physical Comparison	FTIU TPM – Physical Examination and Classification of Firearms; Malfunctioning Firearm; Bullet Classification and Examination: Caliber Determination; Cartridge case/Shotshell case Classification and Examination; Shotshell Component Classification and Examination; Microscopic Comparison; Physical Examination and Classification of Tools and Toolmarks; Toolmark Test Standards and Casting	Firearm, Firearm Components, Toolmark, Toolmark Components	Comparison Microscope
Determination of Functionality	FTIU TPM – Physical Examination and Classification of Firearms; Testing Firing; Rusted Firearm; Malfunctioning Firearm; Automatic Firearm	Firearm	Refer to Method
Length Measurement	FTIU TPM - Barrel and Overall Length Measuring	Firearm	Refer to Method
Serial Number Restoration	FTIU TPM – Serial Number Restoration	Physical Evidence	Refer to Method
Distance Determination	FTIU TPM – Testing Firing; Distance Determination	Firearm, Firearm Components	Refer to Method



**Metro Nashville Police Department
Crime Laboratory**

FT-0062

Product (Make/Model) Determination	FTIU TPM – Physical Examination and Classification of Firearms; Bullet Classification and Examination; Cartridge case/Shotshell case Classification and Examination; Shotshell Component Classification and Examination	Firearm, Firearm Components	General Rifling Characteristics (GRC)
Individual Characteristic Database	FTIU TPM – NIBIN Method	Firearm, Firearm Components	National Integrated Ballistic Information Network (NIBIN)

Discipline: Friction Ridge

Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Enhancement	Latent Print Technical Procedures Manual (LPU TPM) – Submission and Processing of Latent Digital Images	Patent, Latent, Plastic	Visual, Photoshop, Photography
Physical Comparison	LPU TPM – Blind Verification; Determining Workability; Identifications; Workable Submissions (ACE-V)	Patent, Latent, or Plastic to a Known; Known to Known; Unknown to Unknown	Refer to Method
Individual Characteristic Database	LPU TPM – AFIS Processing; AFIS Hits	Patent, Latent, Plastic or a Known	Automated Fingerprint Identification System AFIS)

Discipline: Seized Drugs

Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Qualitative Determination	Flexible Scope [†]	Solid, Liquid, Botanical	Macroscopic Exam; Microscopic Exam; Logo Identification; Color Spot Tests; Thin Layer, Gas and Liquid Chromatography; Mass Spectrometry; Ultraviolet and Infrared Spectroscopy
Weight Measurement	Drug Identification Procedures Manual – Weighing Practices	Solid, Liquid, Botanical	Balance



**Metro Nashville Police Department
Crime Laboratory**

FT-0062

Discipline: Toxicology			
Component/Parameter or Characteristic Tested	Test Method	Items Tested	Key Equipment or Technology
Qualitative Determination	Flexible Scope ¹	Blood	Immunoassay, Liquid Chromatography, Mass Spectrometry
Quantitative Measurement	Flexible Scope ¹	Blood	Gas and Liquid Chromatography, Mass Spectrometry

Note 1: A flexible scope has been granted for this component/parameter or characteristic tested. ANAB has assessed the competence required to develop, validate, and perform quality assurance within this provided service. New or modified methods for the item(s) and equipment/technology(ies) listed in this row on the Scope of Accreditation may be introduced. New measurement principles, item(s), and technology(ies) will require evaluation by ANAB prior to granting a scope extension. Contact the forensic service provider for information on the specific test method in use at any point in time and utilized for accredited testing work.



Pamela L. Sale
Vice President, Forensics



The Bureau of Justice Assistance Grants Programs Checklist

Instructions:

1. Complete the following information below: Applicant Name, Point of Contact Name, POC signature, Date Submitted, Application/Grant Number, and Grant Program.
2. Complete the Grants Programs Checklist, starting on page 2.
3. Return this document in electronic format with your application.

Applicant Name: Metropolitan Government of Nashville and Davidson County,
Metropolitan Nashville Police Department Crime Laboratory

Point of Contact Name: Forensic Services Division Director Julia Hooper

POC signature: **Julia Hooper** Digitally signed by Julia Hooper
Date: 2021.04.07 10:02:00 -05'00'

Date Submitted:
6/10/21

Application/Grant Number: O-BJA-2021-109003

Grant Program: BJA FY 21 Paul Coverdell Forensic Science Improvement Grants
Program – Competitive

TCG Technical Recommendation:

BJA Approval:

Bureau of Justice Assistance Grants Program Checklist

Resource	Concern	Yes or No	Comments
Air Quality	Does the project comply with state air quality standards for all criteria pollutants?	Yes	
	Is the project located in an area designated by the EPA as in attainment for the seven criteria pollutants?	Yes	
	Would the action produce minimal emissions (100 tons per year or less for each of the seven criteria pollutants and/or does not exceed 10% of an area's total emissions)?	Yes	
	Would potential exposure to chemical emissions in a laboratory be controlled through the use of a biological hood?	Yes	
	Would the project only produce emissions that do not impede the area's conformity with the State Implementation Plan under the Clean Air Act?	Yes	
Significance Criteria			
<i>An impact would be considered significant if pollutant emissions result in exposure of people, wildlife, or vegetation to ambient air that does not meet the standards established under the Clean Air Act, or interfere with state ambient air quality standards.</i>			
Resource	Concern	Yes or No	Comments
Geology, Topography, Soils (includes Farmland Protection)	Would there be compliance with local soil erosion mitigation measures in construction and renovation projects?	Yes	
	Would the project avoid erosion and deposition, compacting soils in fragile environments, or altering the character of soils over a large area?	Yes	
	Would the project comply with the Farmland Protection Policy Act?	Yes	
Significance Criteria			
<i>An action would cause a significant impact if soil erosion produced gullying, damage to vegetation, or a sustained increase in sedimentation in streams. This includes a substantial loss of soil, and/or a substantial decrease in soil stability and permeability. Also, significant impacts can occur when soils are substantially disrupted, displaced, compacted or covered over. An action would also constitute a significant impact if the action caused ground fracturing, folding, subsidence, or instability. Impacts associated with soil contamination would be significant if the affected area was no longer able to support its current function or vegetative cover.</i>			

Resource	Concern	Yes or No	Comments
Water Resources (Water Quality, Surface Water, Wetlands, Floodplains, Coastal Barrier Resources, Wild and Scenic Rivers)	Would project activities avoid contamination, sedimentation, or otherwise significantly affecting the water quality or hydrology of a nearby surface water body?	N/A	Project does not involve water resources
	Would changes to surface water quality or hydrology be confined to the immediate project area?	N/A	Project does not involve water resources
	Does the project ensure that local and state regulations concerning stormwater runoff are followed?	N/A	Project does not involve water resources
	During construction activities, would all state, local, and tribal regulations concerning erosion controls, runoff abatement, and vegetation removal be followed?	N/A	Project does not involve water resources
	During construction activities, would proper hazardous spill procedures be in place to minimize impacts of spills on water quality?	N/A	Project does not involve water resources
	Would the project avoid affecting a designated Wild and Scenic River in any manner?	Yes	
	Would the project avoid affecting any portion of a 100-year or 500-year floodplain or jurisdictional wetland?	Yes	
Significance Criteria			
<i>Impacts on water resources would be considered significant if effluent or pollutant emissions result in exposure of people, wildlife, or vegetation to surface or ground waters that do not meet the standards established under the Clean Water Act, or interfere with state water quality standards.</i>			
<i>An action would cause a significant impact on wetlands and floodplains if the soil structure, hydrology or the vegetation of more than ¼ acre (1/10 ha) of a wetland would be altered, or a floodplain area is altered enough to present a reasonable flood danger to the area, causes the degradation or loss of habitat for populations indigenous to the floodplain area, or prohibits farming activities.</i>			
Resource	Concern	Yes or No	Comments
Natural Environment (Wildlife, Wildlife Habitat, and Vegetation)	Would the project avoid causing more than a short-term change in the composition, structure, or density of vegetation?	Yes	
	Would the project avoid causing more than temporary disturbance or relocation of wildlife?	Yes	
	Would the project avoid impacting current or future wildlife or vegetation biodiversity or species composition?	Yes	

	Would the project insure that the potential for the establishment of non-native plant species within disturbed areas created by this project would be minimal?	Yes	
	Would project construction occur in an area other than a unique or sensitive plant community?	N/A	No construction will be required for project
	Would the project avoid extirpating any plants or animals from the project area?	Yes	

Significance Criteria

An action would cause a significant impact if any changes to native vegetation extend beyond a small area and affect the viability of a plant species population or vegetation community. Full recovery would not occur in a reasonable time, considering the size of the project and the affected resource's natural state.

An action would cause a significant impact if any changes affect a large portion of a wildlife population and the viability of that population. Full recovery would not occur in a reasonable time, considering the size of the project and the affected species' natural state.

An action would cause a significant impact if the degradation or loss of habitat is sufficient to cause native wildlife populations to leave or avoid the area.

Resource	Concern	Yes or No	Comments
Endangered Species	Would the project avoid impacts on T&E species or critical habitat?	Yes	
	Is the project area free of any Federal or state listed T&E species or critical habitat, as determined by consultation with FWS or NMFS?	Yes	
	Would the project avoid impacting any areas in or adjacent to habitat for rare, threatened, or endangered species?	Yes	
	If the project is expected to adversely affect a listed species, would mitigation measures be employed that would successfully avoid such effects?	Yes	

Significance Criteria

Any effect to a federally listed species or its critical habitat would be so small that it would not be of any measurable or perceptible consequence to the protected individual or its population. This effect would equate to a "no effect" or "not likely to adversely affect" determination in U.S. Fish and Wildlife Service terms. Anything else would be considered significant.

Resource	Concern	Yes or No	Comments
Historic Preservation	Is the project site free of any historic structures, archeological concerns, or other cultural resource issues, as determined by consultation with the SHPO?	Yes	
	Would the project avoid affecting any NRHP listed properties, or properties that are eligible for listing?	Yes	
	Would the project occur within an existing facility that is not considered historic, as determined by consultation with the SHPO?	Yes	
	If project activities are determined to impact cultural resources as defined by Section 106, would mitigation steps as outlined in Section 106 be followed?	Yes	
	Would renovation projects exclude historic buildings?	Yes	
Significance Criteria			
<i>An impact would be significant if an effect occurs that may diminish the integrity of, cause a substantial adverse change in the significance of, or directly or indirectly destroy a cultural resource. This effect would equate to an "adverse effect" determination for purposes of Section 106.</i>			
Resource	Concern	Yes or No	Comments
Land Use	Would the project comply with local zoning and development ordinances (apply for rezoning if needed)?	Yes	
	Would the project comply with local comprehensive and development plans?	Yes	
	Would the project obtain necessary building and occupancy permits from local authorities?	Yes	
Significance Criteria			
<i>An impact would be significant if a proposed action conflicts with any Federal, regional, State, or local land use plans. If land use patterns are changed in the immediate project area due to a proposed action, the impact would also be considered significant.</i>			
Resource	Concern	Yes or No	Comments
Human Population (Socioeconomics and Environmental Justice)	Would the project avoid appreciably changing the total population or demographics of the population, housing demand or employment levels, or property values?	Yes	
	Would the project avoid increasing human infrastructure requirements (i.e., new workers need housing and consume additional community resources such as water, electricity, roadways, open space, etc.)?	Yes	

	Would the project avoid displacing existing residents or workers from their homes and communities?	Yes	
	Would the action avoid areas that have a high proportion of minority residents or residents living below the poverty level?	Yes	
	If it does occur in such an area, would the grantee ensure that low-income households are not adversely impacted by the project?	Yes	
	Would environmentally unsafe, unpleasant, or noxious conditions for nearby populations, including release of contaminants into air or water, increased levels of traffic or noise occur only during the period of construction?	Yes	

Significance Criteria

A change of more than 2 percent of the previously projected level of local employment, population, or gross domestic product would be considered a significant impact on socioeconomics. Also, if school populations decrease by more than 2 percent, revenues decrease by more than 2 percent, and if vacancy rate increases by more than 2 percent, that would constitute a significant impact.

A significant impact on environmental justice would occur if a disproportionate amount of minority and/or low-income populations were adversely affected by the project.

Resource	Concern	Yes or No	Comments
Noise	Would project activities avoid noise impacts to sensitive receptors?	Yes	
	If noise levels during construction projects exceed existing background sounds temporarily, would the project insure that they do not exceed applicable noise standards?	N/A	No contraction activities is required for this project
	Would operation of a newly constructed facility avoid producing noise levels that would disturb people or displace wildlife?	N/A	No contraction activities is required for this project

Significance Criteria

Sounds levels of 65 dBA are considered annoying to most individuals, while constant or repeated exposure to sounds of 90 dBA or higher can lead to significant impacts. Noise levels are significant if they exceed ambient noise level standards determined by the federal, state, and/or local governments. An impact would be considered significant if there is sustained exposure of sensitive receptors to a DNL of greater than 65 dBA.

Resource	Concern	Yes or No	Comments
Energy	Would the demand on the region's energy supply be negligible (for projects occurring within existing facilities that may require additional energy)?	Yes	
	Would the project comply with regulations for electricity and gas provisions?	Yes	
	Would the project avoid the wasteful, inefficient and unnecessary consumption of energy?	Yes	
Significance Criteria			
<i>Significant impacts to energy would occur if a proposed project were to create a substantial increase in the level of demand for energy supplies and/or use energy in a wasteful, inefficient, excessive or unnecessary manner.</i>			
Resource	Concern	Yes or No	Comments
Solid Waste Management	Would any solid (or liquid) waste that is created by the project, including hazardous waste and construction debris, be disposed of properly?	Yes	
	Would laboratories maintain safe and adequate storage and disposal procedures for hazardous waste and chemicals?	Yes	
Significance Criteria			
<i>An action would cause a significant impact if it would increase the generation of solid or hazardous waste beyond the capacity to safely handle and dispose of that waste.</i>			
Resource	Concern	Yes or No	Comments
Transportation	Would the project avoid generating new traffic over the long-term?	Yes	
	Would the project avoid creating an additional need for parking?	Yes	
	Would the project avoid short- or long-term decreases in the level of service of a roadway?	Yes	
	Would the project ensure unrestrained movement of emergency vehicles?	Yes	
	Would the project avoid conflicts with planned transportation projects or adopted public transportation policies?	Yes	

	Would the project avoid causing noticeable deterioration of local roadway surfaces?	Yes	
Significance Criteria			
<i>A significant impact to transportation would be a traffic increase which is predicted to upset the normal flow of traffic, create the need for major road repair as a result of the action, or generate traffic levels requiring the expansion of existing roadways or facilities.</i>			
Resource	Concern	Yes or No	Comments
State Environmental Policy Act	Would the project occur in states <u>other than</u> Arkansas, California, Connecticut, District of Columbia, Georgia, Guam, Hawaii, Indiana, Maryland, Massachusetts, Minnesota, Montana, Nevada, New Jersey, New York, North Carolina, Puerto Rico, South Dakota, Virginia, Washington, or Wisconsin? If so, the project would not require compliance with a state environmental policy act.	Yes	This project complies with State regulations
Intergovernmental Review and Other Federal Agency Reaction to the Project	Would grantees partnering with other federal agencies, or whose project may affect another federal agency consult and coordinate with that entity and conduct intergovernmental review as necessary?	Yes	
Cumulative Impacts	Would cumulative impacts be less than significant for all resources affected by the project?	Yes	



**Metropolitan Nashville Police Department
Crime Laboratory**

May 28, 2021

To whom it may concern,

The Metropolitan Nashville Police Department Crime Laboratory is an entity of the Metropolitan Government of Nashville & Davidson County and does not have (and is not proposed as a subrecipient under) any pending applications submitted within the last 12 months for federally-funded grants or cooperative agreements (or for subawards under federal grants or cooperative agreements) that request funding to support the same project being proposed in this application to OJP and that would cover any identical cost items outlined in the budget submitted to OJP as part of this application.

A handwritten signature in cursive script that reads "Julia C. Hooper".

Julia Hooper
Forensic Services Division Director
Metropolitan Nashville Police Department



U.S. DEPARTMENT OF JUSTICE

CERTIFIED STANDARD ASSURANCES

On behalf of the Applicant, and in support of this application for a grant or cooperative agreement, I certify under penalty of perjury to the U.S. Department of Justice ("Department"), that all of the following are true and correct:

(1) I have the authority to make the following representations on behalf of myself and the Applicant. I understand that these representations will be relied upon as material in any Department decision to make an award to the Applicant based on its application.

(2) I certify that the Applicant has the legal authority to apply for the federal assistance sought by the application, and that it has the institutional, managerial, and financial capability (including funds sufficient to pay any required non-federal share of project costs) to plan, manage, and complete the project described in the application properly.

(3) I assure that, throughout the period of performance for the award (if any) made by the Department based on the application--

- a. the Applicant will comply with all award requirements and all federal statutes and regulations applicable to the award;
- b. the Applicant will require all subrecipients to comply with all applicable award requirements and all applicable federal statutes and regulations; and
- c. the Applicant will maintain safeguards to address and prevent any organizational conflict of interest, and also to prohibit employees from using their positions in any manner that poses, or appears to pose, a personal or financial conflict of interest.

(4) The Applicant understands that the federal statutes and regulations applicable to the award (if any) made by the Department based on the application specifically include statutes and regulations pertaining to civil rights and nondiscrimination, and, in addition--

- a. the Applicant understands that the applicable statutes pertaining to civil rights will include section 601 of the Civil Rights Act of 1964 (42 U.S.C. § 2000d); section 504 of the Rehabilitation Act of 1973 (29 U.S.C. § 794); section 901 of the Education Amendments of 1972 (20 U.S.C. § 1681); and section 303 of the Age Discrimination Act of 1975 (42 U.S.C. § 6102);
- b. the Applicant understands that the applicable statutes pertaining to nondiscrimination may include section 809(c) of Title I of the Omnibus Crime Control and Safe Streets Act of 1968 (34 U.S.C. § 10228(c)); section 1407(e) of the Victims of Crime Act of 1984 (34 U.S.C. § 20110(e)); section 299A(b) of the Juvenile Justice and Delinquency Prevention Act of 2002 (34 U.S.C. § 11182(b)); and that the grant condition set out at section 40002(b)(13) of the Violence Against Women Act (34 U.S.C. § 12291(b)(13)), which will apply to all awards made by

the Office on Violence Against Women, also may apply to an award made otherwise;

- c. the Applicant understands that it must require any subrecipient to comply with all such applicable statutes (and associated regulations); and
- d. on behalf of the Applicant, I make the specific assurances set out in 28 C.F.R. §§ 42.105 and 42.204.

(5) The Applicant also understands that (in addition to any applicable program-specific regulations and to applicable federal regulations that pertain to civil rights and nondiscrimination) the federal regulations applicable to the award (if any) made by the Department based on the application may include, but are not limited to, 2 C.F.R. Part 2800 (the DOJ "Part 200 Uniform Requirements") and 28 C.F.R. Parts 22 (confidentiality - research and statistical information), 23 (criminal intelligence systems), 38 (regarding faith-based or religious organizations participating in federal financial assistance programs), and 46 (human subjects protection).

(6) I assure that the Applicant will assist the Department as necessary (and will require subrecipients and contractors to assist as necessary) with the Department's compliance with section 106 of the National Historic Preservation Act of 1966 (54 U.S.C. § 306108), the Archeological and Historical Preservation Act of 1974 (54 U.S.C. §§ 312501-312508), and the National Environmental Policy Act of 1969 (42 U.S.C. §§ 4321-4335), and 28 C.F.R. Parts 61 (NEPA) and 63 (floodplains and wetlands).

(7) I assure that the Applicant will give the Department and the Government Accountability Office, through any authorized representative, access to, and opportunity to examine, all paper or electronic records related to the award (if any) made by the Department based on the application.

(8) If this application is for an award from the National Institute of Justice or the Bureau of Justice Statistics pursuant to which award funds may be made available (whether by the award directly or by any subaward at any tier) to an institution of higher education (as defined at 34 U.S.C. § 10251(a)(17)), I assure that, if any award funds actually are made available to such an institution, the Applicant will require that, throughout the period of performance--

- a. each such institution comply with any requirements that are imposed on it by the First Amendment to the Constitution of the United States; and
- b. subject to par. a, each such institution comply with its own representations, if any, concerning academic freedom, freedom of inquiry and debate, research independence, and research integrity, at the institution, that are included in promotional materials, in official statements, in formal policies, in applications for grants (including this award application), for accreditation, or for licensing, or in submissions relating to such grants, accreditation, or licensing, or that otherwise are made or disseminated to students, to faculty, or to the general public.

(9) I assure that, if the Applicant is a governmental entity, with respect to the award (if any) made by the Department based on the application--

- a. it will comply with the requirements of the Uniform Relocation Assistance and Real Property Acquisitions Act of 1970 (42 U.S.C.

- §§ 4601-4655), which govern the treatment of persons displaced as a result of federal and federally-assisted programs; and
- b. it will comply with requirements of 5 U.S.C. §§ 1501-1508 and 7324-7328, which limit certain political activities of State or local government employees whose principal employment is in connection with an activity financed in whole or in part by federal assistance.

(10) If the Applicant applies for and receives an award from the Office of Community Oriented Policing Services (COPS Office), I assure that as required by 34 U.S.C. § 10382(c)(11), it will, to the extent practicable and consistent with applicable law--including, but not limited to, the Indian Self-Determination and Education Assistance Act--seek, recruit, and hire qualified members of racial and ethnic minority groups and qualified women in order to further effective law enforcement by increasing their ranks within the sworn positions, as provided under 34 U.S.C. § 10382(c)(11).

(11) If the Applicant applies for and receives a DOJ award under the STOP School Violence Act program, I assure as required by 34 U.S.C. § 10552(a)(3), that it will maintain and report such data, records, and information (programmatic and financial) as DOJ may reasonably require.

I acknowledge that a materially false, fictitious, or fraudulent statement (or concealment or omission of a material fact) in this certification, or in the application that it supports, may be the subject of criminal prosecution (including under 18 U.S.C. §§ 1001 and/or 1621, and/or 34 U.S.C. §§ 10271-10273), and also may subject me and the Applicant to civil penalties and administrative remedies for false claims or otherwise (including under 31 U.S.C. §§ 3729-3730 and 3801-3812). I also acknowledge that the Department's awards, including certifications provided in connection with such awards, are subject to review by the Department, including by its Office of the Inspector General.



U.S. DEPARTMENT OF JUSTICE

CERTIFICATIONS REGARDING LOBBYING; DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS; AND DRUG-FREE WORKPLACE REQUIREMENTS

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the U.S. Department of Justice ("Department") determines to award the covered transaction, grant, or cooperative agreement.

1. LOBBYING

As required by 31 U.S.C. § 1352, as implemented by 28 C.F.R. Part 69, the Applicant certifies and assures (to the extent applicable) the following:

(a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Applicant, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

(b) If the Applicant's request for Federal funds is in excess of \$100,000, and any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal grant or cooperative agreement, the Applicant shall complete and submit Standard Form - LLL, "Disclosure of Lobbying Activities" in accordance with its (and any DOJ awarding agency's) instructions; and

(c) The Applicant shall require that the language of this certification be included in the award documents for all subgrants and procurement contracts (and their subcontracts) funded with Federal award funds and shall ensure that any certifications or lobbying disclosures required of recipients of such subgrants and procurement contracts (or their subcontractors) are made and filed in accordance with 31 U.S.C. § 1352.

2. DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

A. Pursuant to Department regulations on nonprocurement debarment and suspension implemented at 2 C.F.R. Part 2867, and to other related requirements, the Applicant certifies, with respect to prospective participants in a primary tier "covered transaction," as defined at 2 C.F.R. § 2867.20(a), that neither it nor any of its principals—

(a) is presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) has within a three-year period preceding this application been convicted of a felony criminal violation under any Federal law, or been convicted or had a civil judgment rendered against it for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, tribal, or local) transaction or private agreement or transaction;

violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion or receiving stolen property, making false claims, or obstruction of justice, or commission of any offense indicating a lack of business integrity or business honesty that seriously and directly affects its (or its principals') present responsibility;

(c) is presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, tribal, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and/or

(d) has within a three-year period preceding this application had one or more public transactions (Federal, State, tribal, or local) terminated for cause or default.

B. Where the Applicant is unable to certify to any of the statements in this certification, it shall attach an explanation to this application. Where the Applicant or any of its principals was convicted, within a three-year period preceding this application, of a felony criminal violation under any Federal law, the Applicant also must disclose such felony criminal conviction in writing to the Department (for OJP Applicants, to OJP at Ojpcompliancereporting@usdoj.gov; for OVW Applicants, to OVW at OVW.GFMD@usdoj.gov; or for COPS Applicants, to COPS at AskCOPSRC@usdoj.gov), unless such disclosure has already been made.

3. FEDERAL TAXES

A. If the Applicant is a corporation, it certifies either that (1) the corporation has no unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, or (2) the corporation has provided written notice of such an unpaid tax liability (or liabilities) to the Department (for OJP Applicants, to OJP at Ojpcompliancereporting@usdoj.gov; for OVW Applicants, to OVW at OVW.GFMD@usdoj.gov; or for COPS Applicants, to COPS at AskCOPSRC@usdoj.gov).

B. Where the Applicant is unable to certify to any of the statements in this certification, it shall attach an explanation to this application.

4. DRUG-FREE WORKPLACE (GRANTEES OTHER THAN INDIVIDUALS)

As required by the Drug-Free Workplace Act of 1988, as implemented at 28 C.F.R. Part 83, Subpart F, for grantees, as defined at 28 C.F.R. §§ 83.620 and 83.650:

A. The Applicant certifies and assures that it will, or will continue to, provide a drug-free workplace by—

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in its workplace and specifying the actions that will be taken against employees for violation of such prohibition;

(b) Establishing an on-going drug-free awareness program to inform employees about—

- (1) The dangers of drug abuse in the workplace;
- (2) The Applicant's policy of maintaining a drug-free workplace;
- (3) Any available drug counseling, rehabilitation, and employee assistance programs; and

(4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in the performance of the award be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the award, the employee will—

(1) Abide by the terms of the statement; and

(2) Notify the employer in writing of the employee's conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;

(e) Notifying the Department, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title of any such convicted employee to the Department, as follows:

For COPS award recipients - COPS Office, 145 N Street, NE, Washington, DC, 20530;

For OJP and OVW award recipients - U.S. Department of Justice, Office of Justice Programs, ATTN: Control Desk, 810 7th Street, N.W., Washington, D.C. 20531.

Notice shall include the identification number(s) of each affected award;

(f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted:

(1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or

(2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency; and

(g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

5. COORDINATION REQUIRED UNDER PUBLIC SAFETY AND COMMUNITY POLICING PROGRAMS

As required by the Public Safety Partnership and Community Policing Act of 1994, at 34 U.S.C. § 10382(c)(5), if this application is for a COPS award, the Applicant certifies that there has been appropriate coordination with all agencies that may be affected by its award. Affected agencies may include, among others, Offices of the United States Attorneys; State, local, or tribal prosecutors; or correctional agencies.

I acknowledge that a materially false, fictitious, or fraudulent statement (or concealment or omission of a material fact) in this certification, or in the application that it supports, may be the subject of criminal prosecution (including under 18 U.S.C. §§ 1001 and/or 1621, and/or 34 U.S.C. §§ 10271-10273), and also may subject me and the Applicant to civil penalties and administrative remedies for false claims or otherwise (including under 31 U.S.C. §§ 3729-3730 and 3801-3812). I also acknowledge that the Department's awards, including certifications provided in connection with such awards, are subject to review by the Department, including by its Office of the Inspector General.

**APPLICATION SIGNATURE PAGE
FOR
2021 Paul Coverdell Forensic Science Improvement Grant**

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY



Director
Department of Police Department

6-28-21

Date