

(FR0) DEPARTMENT OF FORENSICS SCIENCES

MISSION

The mission of the Department of Forensic Sciences (DFS) is to produce high-quality, timely, accurate, and reliable forensic science with the use of the best available technology and practices, unbiased science, and transparency with the overall goal of enhancing public health and safety.

SCOPE

DFS provides independent analysis of evidence and samples submitted by agencies within the District of Columbia and its federal neighbors. The Forensic Science Laboratory division analyzes evidence submitted from criminal charges, including DNA, fingerprints, firearms and digital technologies. DFS also provides expert witness testimony in defense of their analytical reports in the District's courts of law. The Public Health Laboratory division provides diagnostic and analytical testing for biological pathogens and chemical agents from clinical, environmental, or food sources and provides emergency response testing. The Crime Scene Sciences division collects, analyzes, processes, and preserves evidence found at crime scenes in the District. The DFS Directorate supports the work of the entire agency through strategic direction, training, quality assurance, research, recruitment and hiring of personnel, information technology, data management, fleet management, procurement, and other administrative support services.

CAPITAL PROGRAM OBJECTIVES

1. Provide the infrastructure to retain data from high resolution cameras for crime scene photography, high resolution 3D Laser (LIDAR) Scanners for Crime Scene Mapping.
2. Provide the infrastructure to facilitate a digital repository, called Mideo, to enhance the digital analysis of firearms and latent fingerprints.
3. Provide the digital storage to utilize next generation sequencing equipment for DNA analysis and the analysis of public health samples.
4. Support DNA mixture interpretation software, called STRMix, to accurately determine suspicious DNA on crime scene evidence.
5. Invest in the digital infrastructure to market services provided by the Digital Evidence Unit to increase evidence intake.
6. Maintain digital storage capacity for an operation that creates digital evidence at an average rate of 2-4 terabytes per day.

HIGHLIGHTS OF RECENT ACCOMPLISHMENTS

New software application investments:

Mideo – For digital workflow analysis in Fingerprints and Firearms as well as Digital Image Management.

STRMix – to accurately determine suspicious DNA on crime scene evidence.

MiSeq – Next Generation DNA Sequencing.

Leica 3D Imaging Solution – For constructing accurate 3D models of Crime Scenes.

Elements on this page of the Agency Summary include:

- **Funding Tables:** Past budget allotments show the allotment balance, calculated as allotments received to date less all obligations (the sum of expenditures, encumbrances, intra-District advances and pre-encumbrances). Agencies are allowed to encumber and pre-encumber funds up to the limit of a capital project’s budget authority, which might be higher than allotments received to date. For this reason, a negative balance on a project sheet does not necessarily indicate overspending or an anti-deficiency violation. A negative balance is permitted in this calculation of remaining allotment authority.
- **Additional Appropriations Data (\$000):** Provides a summary of the budget authority over the life of the project. The table can be read as follows:
 - › **Original 6-Year Budget Authority:** Represents the authority from the fiscal year in which budget was first appropriated through the next 5 years.
 - › **Budget Authority Through FY 2022 :** Represents the lifetime budget authority, including the 6-year budget authority for FY 2017 through FY 2022.
 - › **FY 2017 Budget Authority Revisions:** Represents the changes to the budget authority as a result of reprogramming, redirections and rescissions (also reflected in Appendix F) for the current fiscal year.
 - › **6-Year Budget Authority Through FY 2022 :** This is the total 6-year authority for FY 2017 through FY 2022 including changes from the current fiscal year.
 - › **Budget Authority Request Through FY 2023 :** Represents the 6-year budget authority for FY 2018 through FY 2023.
 - › **Increase (Decrease) :** This is the change in 6-year budget requested for FY 2018 - FY 2023 (change in budget authority is shown in Appendix A).
- **Estimated Operating Impact:** If a project has operating impacts that the agency has quantified, the effects are summarized in the respective year of impact.
- **FTE Data (Total budget in FTE Table might differ from actual budget due to rounding):** Provides the number for Full-Time Equivalent (FTE) employees approved as eligible to be charged to capital projects by, or on behalf of, the agency. Additionally, it provides the total budget for these employees (Personal Services), the non personnel portion of the budget in the agency’s capital plan, and the percentage of the agency CIP budget from either expense category.
- **Facility Location Map:** For those agencies with facilities projects, a map reflecting projects and their geographic location within the District of Columbia.

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	6 Yr Total
(05) Equipment	2,415	1,890	71	261	192	1,000	0	0	0	0	0	1,000
(06) IT Requirements Development/Systems Design	994	487	245	0	262	0	0	0	0	0	0	0
TOTALS	3,409	2,377	316	261	454	1,000	0	0	0	0	0	1,000

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	6 Yr Total
Pay Go (0301)	750	80	166	261	243	0	0	0	0	0	0	0
Equipment Lease (0302)	1,915	1,890	25	0	0	0	0	0	0	0	0	0
Short-Term Bonds – (0304)	744	407	125	0	211	1,000	0	0	0	0	0	1,000
TOTALS	3,409	2,377	316	261	454	1,000	0	0	0	0	0	1,000

Additional Appropriation Data			Estimated Operating Impact Summary							
First Appropriation FY		2013	Expenditure (+) or Cost Reduction (-)							
Original 6-Year Budget Authority		5,102	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	6 Yr Total	
Budget Authority Through FY 2022		3,409	No estimated operating impact							
FY 2017 Budget Authority Changes		0								
6-Year Budget Authority Through FY 2022		3,409								
Budget Authority Request Through FY 2023		4,409								
Increase (Decrease)		1,000								

Full Time Equivalent Data			
Object	FTE	FY 2018 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	1,000	100.0

FR0-DIG01-DFS DIGITAL FORENSICS CAPITAL REQUIREMENTS

Agency: DEPARTMENT OF FORENSICS SCIENCES (FR0)
Implementing Agency: DEPARTMENT OF FORENSICS SCIENCES (FR0)
Project No: DIG01
Ward: 6
Location: 401 E STREET, SW
Facility Name or Identifier: CONSOLIDATED FORENSICS LABORATORY
Status: New
Useful Life of the Project: 5
Estimated Full Funding Cost: \$1,000,000

Description:
 Digital Evidence Unit to increase evidence intake.

Justification:

The Department of Forensic Sciences, Digital Forensics Unit requires critical capital assets in order to operate effectively. This unit is a critical component of the Department of Forensic Sciences.

Progress Assessment:

New project

Related Projects:

Construction of the Consolidated Forensics Laboratory.

(Dollars in Thousands)

Funding By Phase - Prior Funding						Proposed Funding						
Phase	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	6 Yr Total
(05) Equipment	0	0	0	0	0	1,000	0	0	0	0	0	1,000
TOTALS	0	0	0	0	0	1,000	0	0	0	0	0	1,000

Funding By Source - Prior Funding						Proposed Funding						
Source	Allotments	Spent	Enc/ID-Adv	Pre-Enc	Balance	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	6 Yr Total
Short-Term Bonds -- (0304)	0	0	0	0	0	1,000	0	0	0	0	0	1,000
TOTALS	0	0	0	0	0	1,000	0	0	0	0	0	1,000

Additional Appropriation Data	
First Appropriation FY	
Original 6-Year Budget Authority	0
Budget Authority Through FY 2022	0
FY 2017 Budget Authority Changes	0
6-Year Budget Authority Through FY 2022	0
Budget Authority Request Through FY 2023	1,000
Increase (Decrease)	1,000

Estimated Operating Impact Summary							
Expenditure (+) or Cost Reduction (-)	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	6 Yr Total
No estimated operating impact							

Milestone Data	Projected	Actual
Environmental Approvals		
Design Start (FY)		
Design Complete (FY)		
Construction Start (FY)		
Construction Complete (FY)		
Closeout (FY)		

Full Time Equivalent Data			
Object	FTE	FY 2018 Budget	% of Project
Personal Services	0.0	0	0.0
Non Personal Services	0.0	1,000	100.0