

**Program Narrative**  
City of Bridgeport  
Forensic Software Technology  
FY21 Edward Byrne Memorial JAG Program

Description of the Issue:

The City of Bridgeport is seeking a four-year grant of \$161,147 from the FY21 Edward Byrne Memorial JAG Program to fund costs associated with supporting and improving law enforcement response in Bridgeport, Connecticut. JAG funds will be used to purchase Gray Key software, Cellebrite Software and Video Editing Software.

The City of Bridgeport is the most populous and one of the most impoverished and densely populated cities in the state. Approximately 23% of Bridgeport residents live below the poverty line. The majority of residents (38%) identify as Hispanic/Latino, 32% as Black/African American; 23% as White (non-Hispanic); 3% as Asian; and the remaining 4% into another category. Bridgeport is also one of the most violent cities in the state. A 2014 report from the Congressional Quarterly, based on FBI Uniform Crime Reporting Data, ranked crime in Bridgeport sixth highest in a national list of 252 cities of comparable size (100,000-499,000 residents). With nearly 147,000 residents living within Bridgeport's 15.97 square miles, its dense population means that violence and crime affects the lives of nearly every resident of the city.

The City of Bridgeport Police Department (BPD) is committed to improving its ability to protect its residents, visitors, and its police officers. For this reason, the City is seeking funding to purchase the most up to date digital forensic software, information and data extraction software, and video editing software.

Project Design and Implementation

The City of Bridgeport's Fusion center has been in operation for approximately 5 years and currently utilizes various software technology to monitor over 1200 Police and Board of Education

surveillance cameras. In addition, the Fusion Center consists of two 15 monitor video walls with crime mapping technology, 5.5 square miles of Shot Spotter technology, brief cam technology, Milestone 3.1 XProtect, IP video management software engine and Camtasia editing software. The Fusion Center operates 7 days a week, 16 hours per day and is run by 5 Full-time Bridgeport Police Officers, 1 full-time Police Lieutenant and 1 full time School Security Officer. The Fusion Center provides real time information to officers on patrol by identifying crime patterns, assisting with crime prevention, forensic investigations, and evidence retrieval.

Over the past several years, Bridgeport Police Department (BPD) has recognized many challenges associated with the limited technology resources within the department to comprehensively and efficiently address cell phone data and how it related to the influx of illegal firearms, felony assault with firearms, shots fired and homicides. To further advance technology within the Fusion Center, the purchase of forensic software technology that will enable the department to unlock cellphones, extract information, and reformat data so that it may be easily read. The purchase of a Greyshift LLC. software subscription will provide the department with the software to disable any type of security codes that lock out a cellphone, this will enable the investigators to retrieve essential evidence that can connect suspects to crimes, identify victims of sex trafficking and provide locations of victims, most serious criminal cases today utilize information attained from suspects cellular phones to convict a suspect in a court of law. In addition, the purchase of Cellebrite Inc. software subscription enables the department to extract and index the information and data from the cellphone, utilizing the UFED it creates a backup of the cellular phone recovering deleted files/data and stored data, the physical analyzer then parses the files from the backup in order to display the data in browsable form, with this reformatted data/ information investigator are able to conduct analysis of the information enhancing their respective investigation. The purchase of these

two forensic technologies will enhance the capabilities of the BPD to more effectively and efficiently to investigate serious criminal investigations. Furthermore, the BPD along with the FBI, DEA ATF Statewide Gangs, Statewide Auto Taskforce are investigating a group/gang case involving numerous shooting and homicides, and utilizing this software will be able to connect many members associated with each other and recent retaliation shootings.

Finally, the BPD will purchase MotionDSP editing software. This software will be utilized to prepare video footage for criminal and civil cases by highlighting a person or object's activities, even in the background or in dark areas of the video this will help focus the audiences attention on the most important information. The department will have the ability to automate the process of blurring faces, license plates or other personally identifiable information that needs to be protected before releasing. In addition, the software will also have the ability to protect the identity of victims and noninvolved individuals of crime/incidents by having the ability to obscure or redact images in video footage of people who need to remain anonymous, or are not part of the relevant events. This software will be capable of editing, blending images and sounds, as well as allow officers to recreate crime scenes in a clear concise manner, it will also give us the ability to enhance license plates as well a face.

The BPD will follow the City of Bridgeport procurement policies, which require that the Department undergo a formal competitive bidding process for all purchases above a \$25,000 threshold. The Department will work with the City of Bridgeport's City Attorney's Office and Purchasing Department to begin the formal bidding process upon notification of grant award.

### Capabilities and Competencies

The BPD works with several criminal/criminal juvenile justice agencies in Connecticut on various initiatives and programs. The department collaborates with the Fire Department, Emergency Operations Center, Board of Education, hospitals and other health related groups. In addition, the BPD regularly hosts FEMA-funded Connecticut Operation by Response Agencies (COBRA) exercises, which bring together local and state Police Departments, the Bridgeport Fire Department, the U.S. Coast Guard, Transportation Security Administration, Department of Homeland Security, and Metropolitan Transit Authority police. These exercises, held at the Bridgeport Ferry Terminal, are used to assess, and enhance the capability of personnel to respond to serious incidents using scenario-based exercises.

### Plan for Collecting Data Required for Performance Measures

The BPD is committed to providing performance measurement data and information to the Bureau of Justice Assistance. The Department will assign a staff member to oversee the data collection and analysis process and will evaluate program impact using BJA's accountability measures. Accountability metrics reports will be submitted quarterly.

**BUDGET DETAILS**  
City of Bridgeport  
Forensic Software Technology  
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CATEGORY	COMPUTATION	COST
A. Personnel		
B. Fringe Benefits		
C. Travel		
D. Equipment		
E. Supplies		
F. Construction		
G. Consultants/Contracts		
H. Other Costs		
<b><u>GrayShift Software</u></b>		
GrayKey License	1 license for 3 years @ \$116,363.00	\$116,363.00
GrayKey Unit	2 GrayKey units x \$500 each	\$1,000.00
<b><u>Cellebrite Software</u></b>		
Cellebrite UFED 4PC	1 subscription for 3 years @ \$12,797	\$12,797
Ultimate SW Renewal UFED Dongle Kit Replacement	1 Ultimate SW Renewal UFED Dongle Kit @ \$75.00 each	\$75.00
UFED 4PC HW Kit	1 UFED 4PC HW Kit @ \$685.00 each	\$685.00
ILT CCO+CCPA- Cellebrite Certified Operator + Physical Analyst	3 ILT CCO+CCPA- Cellebrite Certified Operator + Physical Analyst @ \$3, 658 each	\$10,973.00
<b><u>Video Editing Software</u></b>		
MotionDSP Software Editing	2 licenses for 3 years \$9,627.00 per license	\$19,254.00
I. Indirect Cost		
	<b>Total</b>	<b>\$161,147.00</b>

**BUDGET SUMMARY**  
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<b>Category</b>	<b>Federal request</b>	<b>Non-Federal Amount</b>	<b>Total</b>
A. Personnel	\$0.00	\$0.00	\$0.00
B. Fringe Benefits	\$0.00	\$0.00	\$0.00
C. Travel	\$0.00	\$0.00	\$0.00
D. Equipment	\$0.00	\$0.00	\$0.00
E. Supplies	\$0.00	\$0.00	\$0.00
F. Construction	\$0.00	\$0.00	\$0.00
G. Consultants/ Contracts	\$0.00	\$0.00	\$0.00
H. Other Costs	\$161,147.00	\$0.00	\$161,147.00
I. Indirect Costs	\$0.00	\$0.00	\$0.00

Federal Request	\$161,147.00
Non-Federal Amount	\$0.00
Total Project Cost	\$161,147.00

**BUDGET NARRATIVE**  
City of Bridgeport  
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- A. Personnel – *Not applicable*
- B. Fringe Benefit – *Not applicable*
- C. Travel – *Not applicable*
- D. Equipment— *Not applicable*
- E. Supplies – *Not applicable*
- F. Construction – *Not applicable*
- G. Consultants/Contracts— *Not applicable*
- H. Other Costs –

**Greyshift LLC. Software and Hardware:** 3-year subscription to software for the department to have the ability to disable any type of security codes that are enhance of cellular phones to gain entry. ***(Total Cost: \$117,363.00)***

**Cellebrite INC. Software, Hardware and Training:** 3-year subscription to software to enable officers to extract the information/data from the cellular phone then reformats this information in order for the police department to analysis this information. ***(Total Cost: \$24,530.00)***

**Video Editing Software:** 3-year subscription to MotionDSP Software Editing software to enable the department to structure and present all video information, video footage, video interviews and reconstruction of crime scenes. Video editing is extremely important and is the key to blending images and sounds to truly enhance to images that need to be clearly seen and recognized. ***(Total Cost: \$19,254.00)***

- I. Indirect Costs -- *Not applicable*