

<b>APPLICATION FOR FEDERAL ASSISTANCE</b>	2. DATE SUBMITTED	Applicant Identifier
1. TYPE OF SUBMISSION Application Non-Construction	3. DATE RECEIVED BY STATE	State Application Identifier
	4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier
<b>5. APPLICANT INFORMATION</b>		
Legal Name City of Jonesboro, Arkansas	Organizational Unit Jonesboro Police Department	
Address 1001 South Caraway Rd Jonesboro, Arkansas 72401-4404	Name and telephone number of the person to be contacted on matters involving this application  Marshall, Kimberly (870) 336-7229	
6. EMPLOYER IDENTIFICATION NUMBER (EIN) 71-6013749	7. TYPE OF APPLICANT Municipal	
8. TYPE OF APPLICATION New	9. NAME OF FEDERAL AGENCY Bureau of Justice Assistance	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: 16.738 CFDA Edward Byrne Memorial Justice Assistance Grant TITLE: Program	11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT  Intelligent Technologies for Criminal Investigations and Patrol Operations.	
12. AREAS AFFECTED BY PROJECT Jonesboro, AR		
13. PROPOSED PROJECT Start Date: October 01, 2016 End Date: December 31, 2018	14. CONGRESSIONAL DISTRICTS OF  a. Applicant b. Project AR01	
15. ESTIMATED FUNDING		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?  Program is not covered by E.O. 12372
Federal	\$31,353	
Applicant	\$0	
State	\$0	
Local	\$0	
Other	\$0	

Program Income	\$0	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?  N
TOTAL	\$31,353	
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS REQUIRED.		

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## **Intelligent Technologies for Criminal Investigations and Patrol Operations**

### *Program Narrative*

Jonesboro Police Department is requesting funds to purchase a software and hardware system that will provide technological enhancements to our investigations capabilities in both criminal and traffic investigations. In particular, we seek to obtain a forensics tool for retrieval of vehicle data that would allow investigators to extract information from two main vehicle components that contain forensic artifacts: the info-tainment system and the telematic system.

Although investigators have been able to retrieve some data from car computers or black box-type components that have been in existence for many years, this new forensic tool will allow our incident investigator and accident reconstructionist to gather more significant data. It would allow investigators to retrieve information gathered several minutes and possibly hours before the accident. This would make an investigator's case stronger by increasing validity of conventional data and providing additional data, such as GPS location.

The iVe (Infotainment and Vehicle System Forensic) Toolkit offered by Berla Forensics provides a platform that extracts data via logical and physical acquisitions from 4,600 vehicle models. This technology would enable an investigator to obtain user data from the vehicles' black boxes. The toolkit would enhance the forensic examiners' and traffic investigators' abilities to quickly extrapolate and analyze the vehicle data. Other data would be available through this program, including recent destinations, favorite locations, call logs, contact lists, SMS messages, emails, pictures, videos, social media feeds, vehicle location when Bluetooth devices were connected and vehicle navigation history.

All this information can be pertinent to a criminal investigation. In traffic accident investigations, many vehicle systems record information that includes when and where vehicle lights are turned on, approximate speed of the vehicle, whether a passenger was present during the accident and when brakes were applied.

Jonesboro Police Department has trained several investigators in digital forensic examinations, including computers and cellphones. This training was made possible over the past decade through federal partners with ICAC and the U.S. Secret Service.

Along with acquisition of the new technology, additional training would be required to extract and analyze vehicle data after an accident. This training is crucial in assisting investigators to articulate findings during a court trial. The 4-Day Vehicle Forensics and iVe Certification course was created to provide investigators with skill sets required to collect and analyze data, then prepare them as expert witnesses at trial. In addition, this program provides training that will give investigators the tools to conduct full forensic examinations and produce final reports.

The Department also requests funding to obtain technology-related items for a program that would increase productivity and efficiency by expanding our patrol officers' capabilities to handle ever-increasing call volumes. The product is an e-citation system that would require acquisition and installation of certain hardware. This request would increase officer productivity

and safety, and reduce ticket errors. It would reduce routine traffic stops from 7-8 minutes to 4-5 minutes.

Computerized citation records also would enhance recording of information vital to state-mandated investigations of bias-based profiling. Yet another advantage of this program would be real-time information sharing between law enforcement agencies, courts and other federal and state agencies.

The e-citation system's scanner and printer equipment would allow the department to expand program capabilities through other software provided by State Police at no expense. Another benefit to this system would be data collection and result tracking, as per the recent implementation by the Department of the Data Driven Approaches to Crime and Traffic Safety (DDACTS) law enforcement operational model. This model, implemented by our agency following training provided by the International Association of Directors of Law Enforcement (IADLEST) in collaboration with the National Highway Traffic Safety Administration (NHTSA), provides a dynamic, evidence-based problem-solving approach to crashes and crime. By identifying areas through temporal and spatial analysis that have high incidences of crashes and crime, DDACTS employs highly visible, targeted traffic enforcement. This model reduces both traffic crashes and crime. Computerized data collection of both citation and traffic crash information would enable better and more efficient analysis of our DDACTS results.

Jonesboro Police Department already has computer-reporting capabilities in Patrol, Traffic and Warrant units within the department, so adding the e-citation program would only enhance our capabilities. E-citation equipment would reduce traffic-stop time, increase officer safety and allow the department to extrapolate and analyze all crime and traffic data for our crime reports.

**JPD Technology Projects FY 2016**

<b>Description</b>	<b>Unit Number</b>	<b>Base Cost</b>	<b>Shipping</b>	<b>Taxes and Fees</b>	<b>Project Cost</b>
<i>Personnel</i>					
					\$ -
<i>Benefits</i>					
					\$ -
<i>Supplies &amp; Services</i>					
iVe Toolkit	1	\$ 4,250.00	\$ 35.00	\$ 364.23	\$ 4,649.00
Maintenance & Support	1	\$ 1,275.00	\$ -	\$ 108.38	\$ 1,383.00
Training	2	\$ 3,800.00	\$ -	\$ -	\$ 7,600.00
Scanners	14	\$ 338.00	\$ 400.00	\$ 436.22	\$ 5,568.00
Printers	14	\$ 517.58	\$ 400.00	\$ 649.92	\$ 8,296.00
<i>Travel - Domestic</i>					
Airfare, Lodging, Food & Misc. for 2 officers	2	\$ 1,373.50	\$ -	\$ -	\$ 2,747.00
<b>Sub-Total</b>					\$ 30,243.00
<i>Administration Fees</i>	1	\$ 1,110.00			\$ 1,110.00
<b>Total Project Cost</b>					\$ 31,353.00
<b>JAG Requested Funds</b>					\$ 31,353.00

## Intelligent Technologies for Criminal Investigations and Patrol Operations

### *Budget Narrative*

1. Supplies and Services
  - a. iVe Toolkit - 1 site license for JPD (including shipping & taxes) \$4,649.00
  - b. Maintenance & Support for the licensing – 12 months \$1,383.00
  - c. Training for the use of software – certification course \$7,600.00
  - d. Scanners for e-citation software for 14 patrol vehicles \$5,568.00
    - i. \$397.72 x for 14 vehicles = \$5,568.08
  - e. Printers for e-citation software for 14 patrol vehicles \$8,296.00
    - i. \$592.57 x for 14 vehicles = \$8,295.98
  
2. Travel (Domestic) - Certification course for iVe Software in Maryland
  - a. Airfare - for 2 officers round trip (\$560.00 x 2) \$1,120.00
  - b. Lodging for 2 officers – 4 nights at \$119.00 + fees & taxes \$1,152.00
    - i. 119.00 x 21% x 4 nights = \$575.96 per person
  - c. Meals for 2 officers for 5 days (\$200 x 2 officers = \$400.00) \$ 400.00
  - d. Taxis and airport parking for officers \$ 75.00
  
3. Administration fees
  - Award administrative work (procurement, travel and reporting) \$1,110.00