FY 2021 Infrastructure Appropriations Status Report

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CRIME SCENE PROCESSING EQUIPMENT (APPROPRIATION 71R)

Description: In FY 2019, the Department received funding for the purchase of both crime scene cameras and a 3D laser imaging scanner and software. The DCI Lab Crime Scene Team and special agents from the DCI Major Crime Unit (MCU) are experts in processing crime scenes and investigating major crimes.

<u>Crime Scene Cameras</u> - Frequently, MCU agents must document crime scenes without the immediate support of the Crime Lab due to the distance to a crime scene and nature of the crime. Photographs are used for investigative documentation, to further casework, generate leads, share with local law enforcement and prosecution. Prior to receiving the funding, the cameras used by MCU agents were over 15 years old, and not every agent had a camera. There were numerous occasions where agents had to request additional agents to come to a scene to photograph evidence, due to the lack of basic photographic equipment. New cameras enable each agent to safeguard and maintain the integrity of the investigation without unnecessarily requesting additional resources, an efficiency savings in time and overtime.

<u>3D Laser Imaging Scanner and Software</u> - A 3D laser imaging scanner and software will create a data cloud of the crime scene to aid in multiple types of analysis and prosecution. This instrument captures precise depth and distance measurements of a crime scene to be used for future analysis, re-examination, additional discovery of evidentiary items, and prosecutorial aids. The current process is for humans to record the crime scene by manual measurements, sketching, note taking and searching for relevant items. Measurements are limited to those items deemed necessary at the time of scene investigation. Once the scene is released, you lose the ability to take another look at the scene as it originally appeared. The instrument, once set up, functions without the need for human presence, allowing the crime scene technician to work on other matters. The data cloud that is generated provides an archive which can then be accessed, even after the scene has been released, for additional analysis as needed when the new case information is gained. This equipment is commonly used by crime labs and law enforcement agencies in the processing of crime scenes.

Progress of Work Completed: The DCI Criminalistics Laboratory has procured the 3D laser imaging scanner and software. In addition, the DCI Major Crime Unit has procured the crime scene cameras for the MCU agents.

Total Amount Received in FY 2019: $125,000
Total Amount Received in FY 2020: $0
Total Amount Received in FY 2021: $0

List of all Revenue Sources to Fund the Project: Technology Reinvestment Fund – Senate File 2414
Division II, Section 3, Subsection 9a

Amount of Funds Expended in FY 2019: $22,799.62
Amount of Funds Expended in FY 2020: $90,773.61
Amount of Funds Expended in FY 2021: $11,426.77

Amount of Funds Obligated: $0

Estimated Completion Date of Project: Complete

VIRTUAL STORAGE ARCHIVAL SYSTEM (APPROPRIATION 2BR)

Description: The Information Technology Solutions Bureau received funding to replace its virtual server hardware and storage. In addition, funding was received to replace the Uninterruptable Power Supplies at our Disaster Recovery facility.

Progress of Work Completed: The installation of the virtual server hardware and storage is complete. The Uninterruptable Power Supplies have been procured and received and the final installation is pending.

Total Amount Received in FY 2020: $290,000
Total Amount Received in FY 2021: $0

List of all Revenue Sources to Fund the Project: Technology Reinvestment Fund – House File 765
Division II, Section 3, Subsection 11a

Amount of Funds Expended in FY 2020: $219,378.64
Amount of Funds Expended in FY 2021: $57,906.28

Amount of Funds Obligated: $12,715.08

Estimated Completion Date of Project: Spring 2022

POST 16 TECHNOLOGY UPGRADE (APPROPRIATION 93R)

Description: The Iowa State Patrol received funding to upgrade technology at Post 16 located at Terrace Hill.

Progress of Work Completed: The necessary technology upgrades were completed throughout the summer with a completion of the project in October 2020.

Total Amount Received in FY 2020: $250,000
Total Amount Received in FY 2020: $0

List of all Revenue Sources to Fund the Project: Technology Reinvestment Fund – House File 765 Division II, Section 3, Subsection 11b

Amount of Funds Expended in FY 2020: $10,185.88
Amount of Funds Expended in FY 2021: $239,814.12

Amount of Funds Obligated: $0

Estimated Completion Date of Project: The project was completed in October 2020.

LABORATORY INFO MANAGEMENT SYSTEM (LIMS) UPGRADE (APPROPRIATION 2AR)

Description: The DCI Criminalistics Laboratory provides services to state and local law enforcement in the following areas: trace evidence, arson, latent prints and impression evidence, questioned documents, breath alcohol, toxicology, drug identification, firearms and toolmarks, DNA, forensic photograph, and crime scene processing.

The DCI Criminalistics Laboratory received funding to upgrade the Laboratory Information Management System (LIMS). The LIMS is used by local and state law enforcement agencies and county offices for reporting and to store evidence. The DCI Criminalistics Laboratory also uses this system to store laboratory case notes and images. The new system will be web-based and provide additional features.

Progress of Work Completed: Criminalistics Laboratory personnel have worked with DAS Procurement on the sole source designated purchase of this upgrade. The order was placed in September 2020 with Porter Lee Corporation. Since then, Criminalistics Laboratory personnel have worked with personnel at Porter Lee Corporation and the Information Technology Solutions Bureau to identify and order hardware upgrades required for the new software. Porter Lee Corporation has completed much of initial conversion of the software to customize it to the specific configuration of our current application. This is to ensure the new software performs as well as the older version, and we aren't losing the enhancements we programmed into the old application, which would have a negative impact on stakeholder agencies state-wide. At this time, servers for the new application have been setup and are in the testing phase, with analysts from each functional area of the laboratory identified to test the new software conversion. This will be done section by section and the Drug Chemistry section is currently performing their testing of matrix fields, reports and worksheets. Over the next couple of months, other sections of the laboratory will perform testing. The project is on schedule at this point. This project impacts all law enforcement agencies and criminal prosecutor offices state-wide, as they (and others) all actively use the DCI Criminalistics Laboratory's information management system to submit evidence and receive analysis results.

Total Amount Received in FY 2020: $300,000
Total Amount Received in FY 2021: $0

List of all Revenue Sources to Fund the Project: Technology Reinvestment Fund – House File 765
Division II, Section 3, Subsection 11c

Amount of Funds Expended in FY 2020: $0
Amount of Funds Expended in FY 2021: $75,795.06

Amount of Funds Obligated: $224,204.94

Estimated Completion Date of Project: June 2022

DCI LAB DIGITAL EVIDENCE MANAGEMENT SYSTEM (APPROPRIATION 2CR)

Description: The DCI Criminalistics Laboratory received funding for a Digital Evidence Management System. This software will analyze digital images of evidence that is submitted to the criminalistics laboratory. The software includes controls that will provide greater file security and ensure that images have not been altered. These tools can be used on latent prints, footwear, documents, impression evidence, and other forensic evidence.

Progress of Work Completed: The procurement of the digital evidence management system software was completed in May of 2021 from a vendor specializing in forensic digital image management. The software package purchased was customized to meet the needs of the DCI Laboratory for storage of digital images and includes customized workflows for efficient upload of images. The other piece of the project was to obtain programming updates so that the existing laboratory information management system (LIMS) would work in conjunction with the digital image database. That piece of programming was just recently completed in early January 2022 and both the LIMS vendor and MIDEO are ready to schedule installation on a laboratory server. Anticipated installation of the new LIMS piece and the digital image management piece is expected in February 2022, with training of laboratory staff and implementation to take place sometime soon afterwards.

Total Amount Received in FY 2020: $80,000
Total Amount Received in FY 2021: $0

List of all Revenue Sources to Fund the Project: Technology Reinvestment Fund – House File 765
Division II, Section 3, Subsection 11d

Amount of Funds Expended in FY 2020: $0
Amount of Funds Expended in FY 2021: $0

Amount of Funds Obligated: $80,000

Estimated Completion Date of Project: June 2022

STATE INTEROPERABLE COMMUNICATION SYSTEM (APPROPRIATION 2R3)

Description: The Iowa Statewide Interoperable Communications System (ISICS) is Iowa's statewide P25 standard digital communications network. It provides public safety agencies, first responders, schools and utility workers around the state with unprecedented connectivity. As a state-of-the-art wireless digital communications platform, ISICS puts heightened safety and effectiveness at the forefront, delivering seamless interoperability, secure, reliable communications and cutting-edge voice.

This funding will support the lease payment. A lease-purchase contract was signed with Motorola in 2015 at an estimated cost of $39,500,000 ($36,400,000 in principal and $3,100,000 in interest) over 10 years. The final payment is estimated to be in FY 2026.

Progress of Work Completed: The sixth lease-purchase payment was made during FY 2021. The Iowa Statewide Interoperable Communications System (ISICS) became a reality in 2015 when the State of Iowa signed a contract with Motorola Solutions to construct the system. The system is designed to accommodate 128,000 user radios in the State with radio coverage at or exceeding 95% across the State. Recognizing the importance of a Statewide Communication System to be constructed as quickly as possible, Motorola constructed over 92 radio tower sites in 1.5 years, a history milestone in the company. This accomplishment pushed forward and placed Iowa on the list of Statewide Communications Systems across the United States. ISICS will be the premiere of the Midwest along with our surrounding States, Minnesota, Illinois, Missouri, Nebraska, Wisconsin, and South Dakota. The system in its current state has approximately 27,000 registered radios. To date, more than 190 unique applications that are comprised of hundreds of public safety agencies and other jurisdictions have joined and use the system for interoperability. Of the 190 applications, some agencies have chosen to use the system for operational use and have added significant infrastructure (i.e. additional sites to enhance coverage). Others have opted to use the system in its current configuration. ISICS provides jurisdictions the benefits of a state-of-the-art trunked radio system with no user fees. Any additional infrastructure the jurisdiction requires for coverage is the responsibility of that jurisdiction as well as any radios needed to communicate on ISICS.

Total Amount Received in FY 2021: $ 4,003,773.26 [$3,960,945 + $42,828.26 (Carry forward from FY 2020)]

List of all Revenue Sources to Fund the Project: Rebuilding Iowa Infrastructure Fund – House File 2642
Division 1, Section 1, Subsection 9a

Amount of Funds Expended in FY 2021: $3,978,800.62

Amount of Funds Obligated: $24,972.64

Estimated Completion Date of Project: Additional funding was provided in FY 2022. The final payment is estimated to be in FY 2026.

FY 2021 INFRASTRUCTURE APPROPRIATIONS STATUS REPORT

BALLISTIC VESTS (APPROPRIATION 4R1)

Description: Funding for the purchase of Level II Ballistic protection for all DPS sworn law enforcement personnel. Due to high risk nature of a law enforcement officer's daily duties, ballistic protection is necessary to protect them against being shot and killed in the line of duty. This protection aids in reducing grievous bodily injury caused by blunt trauma, in the event of a motor vehicle collision.

Progress of Work Completed: The majority of the ballistic vests were procured and received during the fiscal year. A small portion of vests will be purchased in FY 2022 due to certain ballistic vests from certain specialty units being on a different life cycle replacement.

Total Amount Received in FY 2021: $467,500

List of all Revenue Sources to Fund the Project: Rebuilding Iowa Infrastructure Fund – House File 2642
Division 1, Section 1, Subsection 9b

Amount of Funds Expended in FY 2021: $431,576.5

Amount of Funds Obligated: $35,923.5

Estimated Completion Date of Project: June 2022

BOMB SUITS (APPROPRIATION 4R2)

Description: Funding for the purchase of eight (8) bomb suits to be used by the State Fire Marshal (SFM) Bomb Squad. Bomb suits are warrantied by the manufacturer for seven years. Currently, four suits were purchased in the last five years and remain under warranty. The other eight suits are between 13 and 19 years old. The Bomb Squad is required to have the suits for certification. These suits are a necessity when working with hazardous devices. The SFM Bomb Squad provides service to over 90% of the State of Iowa and assists local jurisdictions with Explosive Ordnance Disposal (EOD) and hazardous devices. The Bomb Squad responds to between 75 and 100 explosive-related calls annually.

Progress of Work Completed: The eight bomb suits were procured and received during the fiscal year.

Total Amount Received in FY 2021: $384,000

List of all Revenue Sources to Fund the Project: Rebuilding Iowa Infrastructure Fund – House File 2642
Division 1, Section 1, Subsection 9c

Amount of Funds Expended in FY 2021: $371,097

Amount of Funds Obligated: $0

Estimated Completion Date of Project: Complete

IOWA STATE PATROL AIRCRAFT (APPROPRIATION 2GR)

Description: Funding to replace three Iowa State Patrol (ISP) aircrafts that have reached the end of their service life, with one new aircraft. The new aircraft will be outfitted with up-to-date video and thermal camera technology that is instrumental for conducting aerial searches for missing persons, locating fugitives from justice and providing surveillance during criminal investigations and documenting crime scenes.

Progress of Work Completed: The Iowa State Patrol took possession of the aircraft in December 2021.

Total Amount Received in FY 2021: $1,713,170

List of all Revenue Sources to Fund the Project: Rebuilding Iowa Infrastructure Fund – House File 2642 Division 1, Section 1, Subsection 9d

Amount of Funds Expended in FY 2021: $0

Amount of Funds Obligated: $1,713,170

Estimated Completion Date of Project: December 2021