



# 3D LASER SCANNER

RS-23-119

July 18, 2023

# Background

2

- ❑ Detectives with the Criminal Investigation Division of the Killeen Police Department are responsible for gathering evidence, processing crime scenes, and providing professional investigative follow-up and courtroom testimony in criminal trials.
- ❑ Detectives currently document crimes by digital photography, digital video, and crime scene sketches.
- ❑ Depending on the complexity of the scene, detectives can sometimes take hours to document and categorize a crime scene. This delays their ability to interview complainants, witnesses or suspects because they are collecting physical evidence.
- ❑ Crime scene evidence collection is the number one priority in any criminal case.

# Background

3

- A 3D laser scanner produces an initial detailed 3D digital representation for documentation of the crime scene with minimal intrusion and disturbance prior to the physical processing of the scene by the detectives.
- A 3D representation provides improved analysis and visibility of the scene for detectives, prosecutors, and juries, by augmentation of photos, video, and data to the 3D representation.
- A 3D laser scanner can measure details and trajectories accurately and more efficiently, resulting in more accurate and timely processing of the crime scene to allow detectives to conduct follow-up investigative action.

# Additional Applications

4

- In addition to crime scene processing, the 3D laser can be used in the following applications:
  - Crime Scene Processing
  - Accident Reconstruction
  - Fire Scenes
  - Security and Major Incident Management



# Financial

5

- ❑ A competitive bid process was completed, and only one bid was received.
- ❑ At the conclusion of the bid process, the bid submitted by Collision Forensic Solutions, LLC was selected.
- ❑ The submitted bid is \$138,148.44 for the Leica RTC360 3D laser scanner. This initial purchase cost of scanner includes three years of maintenance, support, and warranty.
- ❑ The Department has identified federal forfeiture funds to be used for this expense.

# Alternatives

6

- ❑ Decline the use of forfeiture funds to purchase the 3D scanner. Detectives will continue to use current methods to process and document crime scenes and evidence.
  
- ❑ Approve the use of forfeiture funds to purchase the 3D scanner. Detectives will have modern technology to document and produce 3D digital representations of crime scenes and evidence, significantly improving the documentation of evidence and information for further investigation and prosecution.

# Recommendation

7

- Staff recommends that the City Council authorize the use of federal forfeiture funds for the procurement of the of the 3D scanner from Collision Forensic Solutions, LLC not to exceed \$138,148.44.