

Sub-Award**City of Durham****Program Area: Law Enforcement Programs****Emphasis Areas: Combatting Violent Crime & Safe Communities****Summary**

In the City of Durham, Part 1 violent crime homicides have decreased compared to 2023 but have remained the same in 2024 and 2025. All other Part 1 violent crimes (rape, robbery, and aggravated assault) decreased by 16.9%. Part 1 property crime (burglary, larceny, and motor vehicle theft) has decreased by 3.8% when comparing 2024 and 2025. (Statistics provided by the Police Department's Crime Analysis Unit)

Part 1 Violent Crime

Part 1 Violent Crimes	3-Year Avg	2023	2024	2025	2024-25 % Change
Homicide	42	48	39	39	0.0%
Rape	158	157	167	150	-10.2%
Robbery	465	484	477	433	-9.2%
Aggravated Assault	1,075	1,162	1,156	907	-21.5%
Violent Crime Total	1,740	1,851	1,839	1,529	-16.9%

Part 1 Property Crime

Part 1 Violent Crimes	3-Year Avg	2023	2024	2025	2024-25 % Change
Burglary	1,277	1,359	1,293	1,178	-8.9%
Larceny	7,982	7,597	8,207	8,142	-0.8%
Motor Vehicle Theft	1,705	1,885	1,738	1,491	-14.2%
Property Crime Total	10,963	10,841	11,238	11,238	-3.8%

The Durham Police Department is looking to modernize, update, and expand the capabilities of its Training and Forensic Services Divisions. This project will support the upgrade or replacement of several essential instruments used for training officers in life-saving techniques, ensuring the safety of officers during critical incidents, and would allow the Crime Scene Unit to produce faster, more detailed, and more reliable scene reconstructions, improving investigative value and strengthening courtroom testimony.

Problem Statement

Training Division

The Durham Police Department currently relies on CPR training equipment and weapon-mounted lighting systems that are outdated, degraded, and increasingly unreliable due to prolonged use.

The Training Division provides:

- Biannual CPR certification for approximately 470 sworn personnel (including reserve officers)
- CPR certification for approximately 78 recruits annually

Current CPR manikins, purchased in 2018, are at the end of their service life. Several units are no longer functional due to broken components and failing electronic feedback systems. This limits the department's ability to deliver consistent, standards-based CPR training.

Additionally, the department's current patrol rifle weapon lights (ProTac 1) are no longer sufficient for modern policing needs. These lights have limited output, short runtime, high failure rates in tape switch systems, and no redundant activation capability.

Failures in these systems create significant officer safety risks and increase the likelihood of poor outcomes during critical incidents.

Forensic Division

Effective forensic documentation and processing are critical components of law enforcement investigations and legal prosecutions. When forensic examinations cannot be conducted properly due to outdated or inadequate equipment, the consequences can be significant. These limitations can reduce investigative leads, delay case processing, and negatively impact courtroom proceedings.

The FARO 3-D Laser Scanner system was purchased by DPD in 2019 and is now approaching eight years of service. The newer Focus Premium Laser Scanner and PanoCam offer significant technological advancements. The updated scanner allows for scans at distances up to 200 meters, compared to the current system's 70-meter range. This improvement more than doubles the coverage of each scan, reducing the number of scans required and decreasing time spent processing scenes by more than fifty percent. In addition to extended range, the newer system produces higher quality scans and requires less time per scan. The Focus Premium also allows investigators to review scans on scene through a mobile application, a capability not available with the current system. This feature enables personnel to verify that scans are complete and accurate before leaving the scene, preventing the need for additional scans later. The PanoCam, which the department does not currently possess, provides higher quality images with improved exposure, enhancing scene documentation. These upgrades would allow the Crime Scene Unit to produce faster, more detailed, and more reliable scene reconstructions, improving investigative value and strengthening courtroom testimony.

Project Implementation/Design

The Durham Police Department is requesting funding to replace outdated CPR training manikins and patrol rifle weapon lights. These items are critical to ensuring officer readiness, improving life-saving response capabilities, and enhancing officer and community safety during low-light operations.

This project supports priorities by improving operational effectiveness, reducing liability, and enhancing public safety outcomes through modernized training and equipment.

The proposed project will modernize the Durham Police Department's Training and Forensic Services Divisions by providing updated equipment that aligns with current best practices.

Training

CPR Training Equipment:

- 12 PRESTAN TAKE2 CPR Manikins with feedback monitors and AED

Patrol Rifle Weapon Lights:

- Replacement with ProTac 2.0 weapon lights featuring higher output, longer runtime, and redundant activation

Forensics

FARO 3-D scanner upgrade

FARO Focus Premium is perfect for 3D capturing crash scenes, crime scenes, building and event site data for safety planning, and more. FARO's combination of hardware and software saves time, boosts productivity, and ensures that you leave the scene with complete, quality data. Save time on scene with a 200m range and the option to scan in Hybrid Reality Capture mode. Collecting evidence from a crime or crash scene must be done quickly and thoroughly — and you must be confident in the thoroughness of the evidence you've collected. The FARO Focus Premium creates accurate, photorealistic 3D representations of any environment or object in just a few minutes, even in the most extreme outdoors conditions. No more "Scanning Blind." For efficient, comprehensive data collection, Focus Premium connects with the new FARO Stream App, which allows you to pre-register scans and see what data you've collected while still on the scene. The pre-registered scans can then be uploaded directly to the cloud, enabling efficient data processing and collaboration — and an offline mode is available for those who don't want to use the cloud to process and store their data. With an optional panoramic camera mount and a one-year Hybrid Reality Capture™ subscription included, scanning time can be significantly reduced for large areas designated for pre-incident planning, security planning, and critical infrastructure documentation. This time savings allows additional scans to be taken that might not have been feasible with slower systems, ensuring improved productivity, enhanced accuracy, and exceptional colorized visual clarity for thorough documentation and analysis.