



**Concord Police Department**

**Military Equipment Report for 2022  
and Inventory for 2023**

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## Introduction

On September 30, 2021, the Governor of the State of California approved Assembly Bill 481 (codified as Chapter 12.8 of the California Government Code) requiring law enforcement agencies such as the Concord Police Department to have a military equipment use policy approved by the City Council prior to requesting, seeking funding, acquiring or using items that it defined as military equipment. Assembly Bill 481 allows the governing body to approve the policy within its jurisdiction only if it determines that the military equipment meets specified standards.

On April 12, 2022, the Concord City Council approved Ordinance 22-6 approving Concord Police Department Policy #706: Military Equipment Use Policy. As required by Assembly Bill 481 and the Ordinance, annually the Concord Police Department must prepare a report on the use of each type of military equipment approved in the Policy over the last year. Subsequently, the City Council must then review the Ordinance, Policy and Annual Report, and determine whether the Department's use of the defined military equipment in the past year complied with the Policy, and whether to continue the Ordinance and Policy, take action (by ordinance) to modify the Policy or repeal the Ordinance.

As set forth in the Policy, the Concord Police Department retains and employs limited equipment that falls under this legislation and subsequent law to safeguard its community. Concord Police Department officers, certified instructional staff, and specialized units receive training throughout the year on the use of this equipment approved under the Policy.

This annual report outlines the Concord Police Department's military equipment inventory and usage and community complaints over use of military equipment from January 1, 2022 through December 31, 2022. It also outlines the proposed purchase of new and/or replacement equipment during 2023. The Department will submit its Military Equipment Annual Report to City Council after December 31st of every year in compliance with AB 481.

## Definitions

The Concord Police Department only utilizes a limited number of the resources listed below.

### **Definitions of Military Equipment established by California Government Code §7070:**

Military equipment includes but is not limited to the following types of equipment:

- Unmanned, remotely piloted, powered aerial or ground vehicles
- Mine-resistant ambush-protected (MRAP) vehicles or armored personnel carriers
- High mobility multipurpose wheeled vehicles (HMMWV), two-and-one-half-ton trucks, five-ton trucks, or wheeled vehicles that have a breaching or entry apparatus attached
- Tracked armored vehicles that provide ballistic protection to their occupants
- Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units
- Weaponized aircraft, vessels, or vehicles or any kind
- Battering rams, slugs, and breaching apparatuses that are explosive in nature. This does not include a handheld, one-person ram
- Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition
- Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code §30510 and Penal Code §30515, with the exception of standard-issue firearms
- Any firearm or firearm accessory that is designed to launch explosive projectiles
- Noise-flash diversionary devices and explosive breaching tools
- Munitions containing tear gas or OC, excluding standard, service-issued handheld pepper spray
- Taser Shockwave, microwave weapons, water cannons, and long-range acoustic devices (LRADs)
- Kinetic energy weapons and munitions (e.g. 40MM launcher, bean bag shotgun, foam tipped projectiles)
- Any other equipment as determined by a governing body or a state agency to require additional oversight

## Inventory

### 1. Robot

a. **Description, Quantity, Capabilities, and Purchase Cost:**

Transcend Vantage Patrol Robot. Qty: 1 Total Cost: \$26,000. Battery powered, remote operated device that is equipped with non-recording cameras and two-way radio capabilities. This robot can climb stairs, open doors and be the delivery mechanism for chemical agents. The robot is used during high-risk incidents to aid officers in the de-escalation of a situation through intelligence gathering and negotiations. The use of this equipment is limited to trained members of the CPD SWAT team. Situations that qualify for its use are high-risk operations including but not limited to hostage situations, active-shooters, barricaded person incidents and/or high-risk warrant services and per CPD Policy 45- SWAT and Negotiations Management.

b. **Purpose:**

To be used remotely to gain visual and audio information to aid in the de-escalation and resolution of high-risk situations, to deliver negotiations phone, open doors, and clear buildings in search for victims, suspects and/or explosives. Before entering a structure, particularly in a tactically compromised and dangerous situation, knowledge of a subject's location is critical and the robot can provide this situational awareness without placing undue risk to human life. Cameras can also help determine if a subject is armed and if there are other subjects inside that need assistance. The two-way speakers can be used to facilitate communication and determine resistance level which aid in the planning and decision making by officers.

c. **Authorized Use:**

CPD SWAT officers under the supervision of the Tactical/Incident Commander, who have completed the required training are permitted to operate the robot. Deployment missions related to SWAT are outlined within CPD Policy 45- SWAT and Negotiations Management. The SWAT team undergoes an estimated 120 hours of training per year and the use of the robot during training is included within these hours. Such use includes the clearing of a home after a barricaded person has been taken into custody in order to search for explosive hazards, hidden victims, or suspects prior to officers entering the home to search and deem the residence safe to occupy. SWAT officers receive specific training from the manufacturer on the use and operation of the robot and receive annual familiarization training with the robot.

d. **Expected Lifespan:**

Estimated to be 10 years, however dependent upon operational usage and wear.

e. **Fiscal Impact:**

No anticipated annual maintenance costs for the robot. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of new robot(s) or replacement robot(s) may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

## 2. Unmanned Aerial Vehicles

### a. Description, Quantity, Capabilities, and Purchase Cost:

Autel Evo II FLIR Radiometric UAS and Go-Command Kit. Qty: 3. Total Cost: \$39,999.00. The Evo II is a commercial-grade UAS primarily used for outdoor environments to support first responders during high-risk situations, evidence processing, search and rescue missions and other situations as outlined in CPD Policy 606- Unmanned Aerial System (UAS) Operations. The UAS is a battery powered, remote operated device with a standard and SMART controller system authorized for night operations and in compliance with FAA regulations. The UAS has a FLIR thermal camera to assist for night operations and has the ability to record data. There is a flight time of approximately 35 minutes per battery, depending on weather and flight conditions. The Go-Command kit consists of a protective storage/deployment case containing power source, accessories for flight operations and a 24" LED viewing monitor.

Brinc Lemur UAS kit. Qty: 2. Total Cost: \$16,498.00. The Brinc Lemur UAS is a commercial-grade UAS primarily used for indoor environments to support first responders in high-risk situations and other situations as outlined in CPD Policy 606- Unmanned Aerial System (UAS) Operations. The UAS provides remote viewing and audio data to aid in the de-escalation of high-risk incidents. The UAS is a battery powered, remote operated device with a standard controller system. The UAS is equipped with an Infrared (IR) camera system for low light conditions, cellular based two-way communications and turtle-mode for self-righting capabilities. The UAS is capable of opening doors that are ajar. There is a flight time of approximately 30 minutes per battery, and/or 10 hour perch time for communications and/or monitoring purposes without flight.

Loki MK2 UAS. Qty: 2. Total Cost: \$13,771.80. The Loki is a commercial grade UAS primarily used for indoor environments to support first responders in high-risk situations by providing remote viewing and audio data to aid in the de-escalation of incidents. The UAS may assist in other first-responder operations as outlined in CPD Policy 606-Unmanned Aerial System (UAS) Operations. The UAS is a battery powered, remote operated device with a standard controller system. The UAS is operated independently via a single controller system. There is a flight time of approximately 16 minutes, and/or 6 hours of perched battery life for monitoring purposes without flight.

EMax TinyHawk III Trainers. Qty: 2. Total Cost: \$800.00. The EMAX TinyHawk III is an indoor training UAS that would be used only for the purpose of teaching new UAS operators how to operate a UAS indoors. Using the inexpensive TinyHawk as a training tool while officers learn how to operate a UAS indoors will save significant wear and tear on the much more expensive Brinc and Loki UAS and ensures they remain ready for operational purposes. The TinyHawk UAS is a battery powered, remote operated device with a standard controller system. There is a flight time of approximately 15 minutes per battery.

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**b. Purpose:**

UAS may be utilized to enhance the Department's mission of protecting lives and property and for the collection of data to aid in first responder services in accordance with CPD Policy 606- Unmanned Aerial System (UAS) Operations.

**c. Authorized Use:**

To be deployed by CPD UAS team members in accordance with CPD Policy 606- Unmanned Aerial System (UAS) Operations. All UAS team members are required to hold a Part 107 UAS remote pilot certification and team members undergo Department led training and outside UAS training that address basic operations, indoor operations and nighttime operations. The following authorized uses of a UAS include:

- Post-incident crime scene preservation and documentation
- HAZMAT response
- Locating individuals actively fleeing or hiding in an attempt to avoid apprehension
- Search and rescue
- Barricaded persons and other high-risk tactical operations
- Locating individuals who are missing or are a danger to themselves or others
- Disaster response (Flood, earthquakes, etc.)
- Training missions
- Fire response
- Pursuant to a search warrant
- Any situation where the use of a UAS would enhance public safety and/or officer safety and would be deemed lawful and reasonable.

**d. Expected Lifespan:**

Estimated at 10 years, however dependent upon operational usage and wear.

**e. Fiscal Impact:**

Estimated annual maintenance costs are \$2000.00. UAS were paid for with CPD existing budget and \$30,000 grant funding support. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of new UAS(s) or replacement UAS(s) may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

### 3. Armored Rescue Vehicle

**a. Description, Quantity, Capabilities, and Purchase Cost:**

Mamba Mk1 Armored Personnel Carrier. Qty: 1. Donation. Acquired through the California Office of Emergency Services (CalOES) Public Safety Procurement Program in 2011 for no cost. This equipment was painted, marked with police insignia, and equipped with police emergency lighting that was funded by community donations. The Armored Personnel Carrier is a four-wheeled, right-side driven vehicle designed to provide a high degree of ballistic protection to officers and community members during high-risk incidents and has the capability to withstand multiple bullet strikes from small arms fire.

Ford E-350 Ballistic Van. Qty: 1 **(To be replaced by Ford T-350 upon receipt)**. Non-governmental donation. The van is a standard E-350, four-wheeled, left-hand drive vehicle that has been reinforced with a ballistic windshield, ballistic body and running boards along the side. The running boards allow for the ease and speed of officer deployments during high-risk incidents. The van is capable of withstanding multiple bullet strikes from small arms fire.

Ford T-350 Ballistic Van. Qty: 0 **(City of Concord ordered, not yet received)**. \$180,535. Replacement for above listed Ford E-350.

**b. Purpose:**

To be used during high-risk incidents to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical and high-risk incidents where such ballistic protection is required to safeguard human life.

**c. Authorized Use:**

The use of the Mamba MK1 is strictly reserved for CPD SWAT officers who have undergone advanced armored vehicle operations driver training and assessment both held by outside law enforcement training sessions as well as internal driver training during the estimated 120 hours of yearly training CPD SWAT undergoes. The use of the E-350 ballistic van does not require any special license or training and may be used by any CPD officer with the approval of a Command Officer during high-risk incidents. The use of the ballistic vehicles would include performing a life-saving rescue and evacuation of an officer or community member from a place of extreme danger where ballistic protection is required to safely complete the mission and not expose officers or community members to greater risk of injury or death, as well as other situations as outlined in CPD Policy 45- SWAT and Negotiations Management.

**d. Expected Lifespan:**

Estimated to be 20 years, however dependent upon operational usage and wear.

**e. Fiscal Impact:**

Estimated annual maintenance cost of \$500.00.



#### 4. Crisis Negotiations Team Van

- a. **Description, Quantity, Capabilities, and Purchase Cost:**  
Ford E-450 Decommissioned Public Transportation Bus. Qty: 1. Donated to CPD by County Connection Bus Services. The bus is equipped with workstations, cabinets and white boards instead of passenger seating.
- b. **Purpose:**  
This converted bus serves as a self-contained mobile base of operations and transportation for Crisis Negotiations team members in the response to high-risk incidents in which CPD Negotiators have been requested and approved to assist by the SWAT Team Commander.
- c. **Authorized Use:**  
No specialty driver license or training is required to drive the bus. The bus is driven by members of the Crisis Negotiations Team and/or SWAT Team in response to high-risk incidents and SWAT training.
- d. **Expected Lifespan:**  
Estimated to be 15 years, however dependent upon operational usage and wear.
- e. **Fiscal Impact:**  
Estimated annual maintenance cost of \$500.00.

## 5. Tactical Dispatch Van

- a. **Description, Quantity, Capabilities, and Purchase Cost:**  
Ford E-450 Decommissioned Public Transportation Bus. Qty: 1. Donated to CPD by County Connection Bus Services. The bus is equipped with workstations, cabinets and white boards instead of passenger seating.
- b. **Purpose:**  
This converted bus serves as a self-contained mobile base of operations and transportation for the Tactical Dispatch team in the response to high-risk incidents in which CPD Tactical Dispatchers have been requested and approved to assist by the SWAT Team Commander. The van also serves as a back-up mobile Dispatch Center in the event the Dispatch Center at CPD Headquarters is evacuated and dispatch services to the community cannot be delivered from CPD headquarters.
- c. **Authorized Use:**  
No advanced driver license or training is required to drive the bus. The bus is driven by members of the Tactical Dispatch team and/or SWAT Team in response to high-risk incidents and SWAT training.
- d. **Expected Lifespan:**  
Estimated to be 15 years, however dependent upon operational usage and wear.
- e. **Fiscal Impact:**  
Estimated annual maintenance cost of \$500.00.

## 6. Kinetic Breaching Tool

a. **Description, Quantity, Capabilities, and Purchase Cost:**

Aardvark Kinetic Breaching Tool (KBT). Qty: 1. Total Cost: \$9,650. The KBT utilizes a proprietary .45 caliber handgun blank to deliver up to 850 ft/lbs of force through a narrowed and hardened steel ram to force open door hinges and to aid in the breaching of fortified doors. All of the force is mechanically driven through the ram and no projectile or explosive energy leaves the device. The tool weighs 28 lbs., features an 8-round cylinder for the KBT .45 caliber blanks, and a shock reduction handle system that reduces recoil force for single person operation.

b. **Purpose:**

To rapidly open secured or barricaded doors in the most efficient and safest way during high-risk incidents, when manual tools such as a pry-bar or handheld ram would be less effective or non-effective.

c. **Authorized Use:**

CPD SWAT officers who have been trained in its use. CPD SWAT officers that are POST-Certified Breaching Instructors provide a minimum of 10 hours of breaching training to the team each year. CPD SWAT officers undergo an estimated 120 hours of training per year where such breaching capabilities are also incorporated. The situations where such use may be authorized are outlined within CPD Policy 45-SWAT and Negotiations Management, and would include an armed and dangerous barricaded person where the speed of entry into a fortified structure is paramount to aid in the safe apprehension of the suspect.

d. **Expected Lifespan:**

Estimated to be 10 years, however dependent upon operational usage and wear.

e. **Fiscal Impact:**

CPD has an inventory of 50 blanks for this KBT at a cost of \$40 per blank. There is no known annual maintenance cost for the KBT unit. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of the KPT .45 caliber blanks and/or KBT may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

## 7. Breaching Shotgun

a. **Description, Quantity, Capabilities, and Purchase Cost:**

Remington 870 12 Gauge Pump Shotgun. Qty: 4. Total Cost: \$1600.00. The shotgun has a tactical shortened barrel with a stand-off port to vent gasses and debris away from the operator of the firearm during firing. The breaching shotgun and frangible rounds are used to expeditiously defeat deadbolts, locks, and hinges of doors. The frangible round is designed to transfer its energy into the lock and/or door frame and disintegrate upon impact rather than penetrate further.

Current Breaching Round Inventory

- Royal Arms TESAR-2 425 Grain Copper Frangible Breaching Round. Qty: 500 . Estimated cost of \$1500.00 - \$2000.00.

b. **Purpose:**

To rapidly open secured or barricaded doors in the most efficient and safest way during high-risk incidents, when manual tools such as a pry-bar or handheld ram would be less effective or non-effective.

c. **Authorized Use:**

CPD SWAT officers who have been trained in their use. CPD SWAT officers undergo an estimated 120 hours of training per year where such breaching capabilities are incorporated and SWAT officers that are POST-Certified Breaching Instructors provide a minimum of 10 hours of breaching training to the team. Situations in which deployments would be authorized are outlined in CPD Policy 45- SWAT and Negotiations Management and would include high-risk incidents where the use of the device is required in order to expeditiously gain access to a fortified location.

d. **Expected Lifespan:**

Estimated to be 20 years, however dependent upon operational usage and wear.

e. **Fiscal Impact:**

Estimated to be \$0.00 - \$2000.00 per year for breaching round inventory and \$500.00 annually for the shotguns. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of breaching rounds and/or breaching shotguns may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

## 8. Carbines

a. **Description, Quantity, Capabilities, and Purchase Cost:**

M4-style AR-15 shoulder-fire rifle chambered in .223 Remington (5.56 NATO) equipped with a non-magnified optic, sound suppressor, flashlight, modular handguard and adjustable sling. Qty: 135. Total Cost per unit is \$2000.00. Manufactures include Colt, Bushmaster, BCM, LWRC International, and Noveske.

**Ammunition:**

- Training: Winchester 55gr (80,000 rounds)
- Duty: Hornady TAP 75gr BTHP (30,000 rounds)

b. **Purpose:**

The carbine rifle is used by trained/certified officers during situations where more precision is needed, especially at a distance and beyond the capabilities of a handgun, and/or when the need to defeat soft body armor is required.

c. **Authorized Use:**

Officers deploying a carbine rifle must have received California POST-certified training as set forth in the California Penal Code, and must meet CPD qualification requirements which includes a yearly 4-hour recertification course and at minimum yearly qualification with the rifle. The use of this equipment is also determined by CPD Policy 300- Use of Force and CPD Policy 40- Discharge of Firearms by Police Officers. Situations that may warrant the deployment of a shoulder-fire rifle include but are not limited to situations where an officer reasonably anticipates an armed encounter, when an officer reasonably believes that a suspect may be wearing body armor and/or a situation that requires more accurate and effective long range fire.

d. **Expected Lifespan:**

Estimated to be 20 years, however dependent upon operational usage and wear.

e. **Fiscal Impact:**

Estimated annual maintenance cost of \$0.00 - \$2500.00 for the rifles. The estimated cost of ammunition is \$0.36 per training round and \$0.67 for duty round. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of ammunition and/or carbine rifles may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

## 9. Long Rifles

a. **Description, Quantity, Capabilities, and Purchase Cost:**

Accuracy International, model AXLE, chambered in .308 (7.62x51mm NATO) equipped with a precision magnified optic, sound suppressor, and bipod. Qty: 5. Estimated cost per unit is \$7500.00.

Accuracy International, model AXMC, chambered in .338 Lapua equipped with sound suppressor, precision optics, and bipod. Qty: 1. Estimated total cost is \$9000.00.

**Ammunition:**

- .308 Duty and Training: Hornady TAP 175gr BTHP (8,000 rounds)
- .338 Lapua – Ruag brand 250 gr HPBT( 2000 rounds)

b. **Purpose:**

The long rifle is used by CPD SWAT snipers who have received extensive marksmanship training to resolve high-risk situations where more precision is needed, especially at great distance, than a carbine rifle or handgun may provide, and/or when the suspect is likely to be wearing body armor. CPD SWAT sniper training includes a 40 hour basic long rifle/observer course as well as other advanced courses in addition to the estimated 120 hours of yearly training CPD SWAT officers undergo.

c. **Authorized Use:**

Used exclusively by CPD SWAT snipers. CPD SWAT officers deploying a long rifle must have received California POST-certified sniper/observer training and must meet CPD SWAT qualification requirements which includes at minimum qualification 3 times per year. CPD SWAT snipers use the standardized American Sniper Association qualification standards. An example of where a long rifle would be used would be in a hostage rescue situation to provide the ability to incapacitate the suspect from a safe distance with precision without harming the hostage. CPD SWAT snipers also operate as long range observers in tactical situations. The use of this rifle equipment is also determined by CPD Policy 300- Use of Force and CPD Policy 40- Discharge of Firearms by Police Officers, and CPD Policy 45- SWAT and Negotiations Management.

d. **Expected Lifespan:**

Estimated to be 20 years by the LMT and Accuracy International, however dependent upon operational usage and wear.

e. **Fiscal Impact:**

Estimated annual maintenance costs for the long rifles is \$0.00 - \$1000.00. The cost of ammunition is estimated to be \$1.05 - \$1.50 per round. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of ammunition and/or long rifles may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

## 10. Pistol Caliber Carbine

a. **Description, Quantity, Capabilities, and Purchase Cost:**

Heckler and Koch MP5 SMG chambered in 9mm equipped with a non-magnified optic, sling, and flashlight. Qty: 16. Cost per unit \$2000.00.

**Ammunition:**

- Training: 9mm 124gr FMJ (Winchester, Federal, Hornady). 8,000 rounds designated for the MP5.
- Duty: 9mm Federal 124gr +P HST. 8,000 rounds designated for the MP5.

b. **Purpose:**

The pistol caliber carbine is used by trained/certified officers in instances where more precision is needed, especially at distance, than a handgun may provide, but where a carbine rifle would be too large and unwieldy, such as inside a confined space (vehicle or small room).

c. **Authorized Use:**

Officers deploying a pistol caliber carbine must have received California POST-certified training as set forth in the California Penal Code, and must meet CPD qualification requirements which includes a yearly 4-hour recertification course and at minimum yearly qualification with the firearm. The use of this equipment is also determined by CPD Policy 300- Use of Force and CPD Policy 40- Discharge of Firearms by Police Officers. Situations that may warrant the deployment of an MP5 SMG include but are not limited to situations where an officer reasonably anticipates an armed encounter, when an officer is faced with a situation that requires more accurate and effective long range fire and/or where an officer reasonably expects the need to meet or exceed a suspect's firepower.

d. **Expected Lifespan:**

Estimated to be 20 years, however dependent upon operational usage and wear.

e. **Fiscal Impact:**

Estimated annual maintenance cost for the MP5 SMG is \$0.00 - \$1000.00. The estimated cost of ammunition is \$0.23 per training round and \$0.31 per duty round. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of ammunition may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

## 11. Noise Flash Diversionary Devices

a. **Description, Quantity, Capabilities, and Purchase Cost:**

Noise Flash Diversionary Devices (NFDD). Qty: 100. Total Cost. \$4500.00. A device that creates a bright flash and loud sound to temporarily divert the attention of a subject. NFDD are used to distract and temporarily disorient suspects during high-risk incidents by overwhelming their senses of vision and hearing. The distraction allows officers to seize the moment in an effort to take control of a situation without further exposing officers and/or community members to injury or death. CPD uses the CTS 7290M and CTS 7290 NFDD.

b. **Purpose:**

To produce atmospheric over-pressure and brilliant white light and, as a result, cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage during the resolution of a high-risk incident.

c. **Authorized Use:**

Used exclusively by CPD SWAT officers in accordance with the SWAT procedural manual. Situations include but are not limited to hostage and barricaded person situations and high-risk incidents where the use of an NFDD would enhance officer and community safety in order to distract a violent or otherwise dangerous person to aid in the apprehension of the suspect.

d. **Expected Lifespan:**

Estimated to be 5 years.

e. **Fiscal Impact:**

No annual maintenance cost for NFDD. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of NFDD may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.



## 12. Chemical Agents

### a. Description, Quantity, Capabilities, and Purchase Cost:

- DefTech 1016- Pocket Tactical CS – Qty: 42. \$19.40 per unit. The Pocket Tactical CS is small and lightweight. Emits CS for approximately 20-40 seconds. Used to provide a quick CS smoke screen as cover.
- DefTech 1017- Pocket Tactical Saf-Smoke – Qty: 39. \$17.95 per unit. The Pocket Tactical Saf-Smoke is small and lightweight. Emits smoke for approximately 20-40 seconds. Used to provide a quick smoke screen as cover.
- DefTech 1026- Pocket Chaser CS – Qty: 30. \$37.05 per unit. The Triple-Chaser CS consists of three separate canisters pressed together with separating charges between each. When deployed, the canisters separate and land approximately 20 feet apart allowing increased area coverage in a short period of time. This is used to provide a large CS Smoke screen in an outdoor setting. Emits CS for approximately 30-40 seconds.
- DefTech 1032- Flameless Tri-Chamber CS - Qty: 12. \$31.95 per unit. The design of the Tri-Chamber Flameless CS allows the contents to burn within an internal can and disperse the agent safely with reduced risk of fire. The CS is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. It will deliver approximately .70 oz. of agent during its 20-25 second burn time.
- DefTech 1072- Spede Heat CS- Qty: 29. \$27.80 per unit. The Spede-Heat™ CS is a high volume device with continuous burn and expels its payload in approximately 20-40 seconds. The payload is discharged through four gas ports on top of the canister, three on the side and one on the bottom. It is designed to be used outdoors.
- DefTech 1092- Han-Ball CS – Qty: 10. \$29.80 per unit. Designed specifically for outdoor use in crowd management situations, the Han-Ball is a high volume, fast burning device that expels its payload in 10 - 25 seconds. It is excellent for the rapid delivery of chemical agent or smoke in quickly changing tactical situations. Due to the quick discharge time, throwback potential is greatly reduced.
- DefTech 1262- Ferrett 40mm CS Barricade Penetrating- Qty: 11. \$19.65 per unit. The Ferret 40mm Round is non-burning and suitable for indoor use. It is designed to penetrate barriers, such as windows, hollow core doors, wallboard and thin plywood. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside of a structure or vehicle. In a tactical deployment situation, the 40mm Ferret is primarily used to dislodge barricaded subjects from confined areas. Its purpose is to minimize the risks to all parties through pain compliance, temporary discomfort and/or submission of potentially violent or dangerous subjects.

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- DefTech 2262- Ferrett 40mm CS- Qty: 125. \$19.65 per unit. The Ferret 40mm Round is non-burning and suitable for indoor use. It is designed to penetrate barriers, such as windows, hollow core doors, wallboard and thin plywood. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside of a structure or vehicle. In a tactical deployment situation, the 40mm Ferret is primarily used to dislodge barricaded subjects from confined areas. Its purpose is to minimize the risks to all parties through pain compliance, temporary discomfort and/or submission of potentially violent or dangerous subjects.
- CTS 5230B- CS Baffled Grenade- Qty: 22. \$45.20 per unit. Pyrotechnic grenade designed for indoor use delivering a maximum amount of irritant smoke throughout multiple rooms with minimal risk of fire.

**b. Purpose:**

Chemical agents are a minimal force option used to generate compliance and aid in the de-escalation of high-risk incidents. Depending upon the delivery method, this equipment can be introduced in close proximity or from a distance. Based on the unique characteristics of each situation, trained/authorized officers will select the munition and deployment method which will be most effective and pose the least risk to all involved with the highest chance of success. Chemical agents can be used to saturate suspects, violent crowds, and/or areas of varied size, indoor and outdoor.

**c. Authorized Use:**

Used exclusively by CPD SWAT officers who have received specialized California POST-certified training in the use of chemical agents and as outlined within CPD Policy 45- SWAT and Negotiations Management and CPD Policy 39- Authorized Duty Firearms, Off Duty Firearms, and Accessory Equipment. Chemical agents can dislodge a suspect from a stronghold location with the least possible danger to community members, officers and the suspect. Chemical agents can also be used to prevent an armed suspect from accurately firing at community members and officers, and during limited situations of civil unrest. CPD SWAT officers that have been certified as Chemical Agent Instructors after attending a 40 hour POST/CATO Chemical Agent Instructor Course give a minimum of 10 hours of annual training to CPD SWAT officers.

**d. Expected Lifespan:**

No shelf life limitations provided by the manufacturer. Dependent upon operational usage and wear.

**e. Fiscal Impact:**

No annual maintenance cost for chemical agents. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of chemical agents may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

#### 14. **PepperBall Launcher and Projectiles**

**a. Description, Quantity, Capabilities, and Purchase Cost:**

PepperBall Live and LiveX contains pelargonic acid vanillyl amide (PAVA), also referred to as Nonivamide, a capsaicinoid found in chili peppers that creates an unpleasant burning sensation.

- PepperBall VKS Launcher. Qty: 8. Cost \$1300.00 per unit. The Variable Kinetic System (VKS) is a compressed-air powered launcher designed to fire non-lethal PepperBall projectiles. Operates from an HPA tank air source and must be regularly refilled prior to use.
- PepperBall Inert Projectile – Qty: 500. Cost \$0.80 per round. Containing a harmless, scented powder, this projectile is best suited for training, qualifications, and direct impact when chemical exposure is not desired. Maximum effective range is 60 feet.
- PepperBall Live Projectile – Qty: 500. Cost \$2.58 per round. The basic PepperBall projectile contains 2% PAVA pepper powder, and is excellent for direct impact and area saturation, especially in confined, interior spaces. Maximum effective range is 60 feet.
- PepperBall Glass Break – Qty: 20. Cost \$2.45 per round. A solid polymer projectile used for breaking out residential windows and side-glass of automobiles. Not for use on humans or animals. Maximum effective range 60 feet.
- PepperBall VXR Inert – Qty: 20. Cost \$3.10 per round. Containing a harmless, scented powder, this projectile is best suited for training, qualifications, and direct impact when chemical exposure is not desired. Maximum effective range is 150 feet.
- PepperBall VXR LiveX – Qty: 200 – Cost \$4 per round. A more concentrated formula, containing approximately 10x the PAVA pepper powder of the LIVE projectile. Excellent for direct impact or area saturation. Maximum effective range is 150 feet.
- PepperBall PPC Launcher. Planned acquisition in 2024. Qty: 9. Cost of \$800.00 per unit totaling \$7200.00. The PPC is a compressed-air powered launcher designed to fire non-lethal PepperBall projectiles. Operates from a CO2 cartridge which allows it to be stored in the back of a patrol vehicle for rapid deployment.

**b. Purpose:**

To provide officers with a non-lethal force option to engage non-compliant or actively aggressive persons or animals at a distance. It may be used as a kinetic impact weapon with or without PAVA pepper powder projectiles, or to dispense PAVA without impacting an individual or animal. Use of this non-lethal force option would be in compliance with CPD Policy 300- Use of Force. The department is currently undergoing training with this new equipment item.

## Concord Police Department Military Equipment Report for 2022

**c. Authorized Use:**

CPD officers who have been trained by the manufacturer to be Department Instructors will lead CPD officers through the 4 hour training and certification process prior to use. Any officer who has been trained and approved on the equipment may use the equipment when such use is supported by CPD Policy 300- Use of Force. Training on the equipment will be in accordance with CPD's less-lethal yearly training calendar.

**d. Expected Lifespan:**

Estimated to be 15 years for the launchers, 5 years for training projectiles and an estimated 3 years for non-training projectiles.

**e. Fiscal Impact:**

No anticipated annual maintenance cost for the launchers. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of launchers and projectiles may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

**15. Kinetic Impact Launchers**

**a. Description, Quantity, Capabilities, and Purchase Cost:**

- Sage Ordnance Deuce 37mm launcher (two round capacity). Qty: 13. Cost per unit \$800.00. **To be traded-in upon receipt for DefTech 1425.**
- Sage Ordnance BML-37 37mm multi launcher (six round capacity). Qty: 8. Cost per unit \$1500.00. **To be traded-in upon receipt for DefTech 1440.**
- DefTech 1425 40mm launcher (one round capacity) with optic and flashlight attached. Qty: 2. Cost per unit \$1550.00. **CPD ordered 14 additional launchers in June 2022 for a total cost of \$21,959. Still awaiting delivery.**
- DefTech 1440 40mm launcher (four round capacity) with optic and flashlight attached. Cost per unit \$3350.00. Qty: 0. **CPD ordered 2 units in June 2022 for a total cost of \$6,695. Still awaiting delivery.**
- Penn Arms P540-1 40mm launcher (six round capacity) with optic and light attached. Qty: 1. Cost per unit \$2000.00
- Remington 870 12 gauge shotgun equipped with orange stock. Qty: 5. Used to launch DefTech 3027 Drag Stabilized Less-Lethal Bean Bag rounds. Cost per unit \$300.00.

**b. Purpose:**

To launch 40mm direct impact less lethal munitions by CPD officers or to launch 40mm chemical agent rounds by certified CPD SWAT officers in compliance with CPD Policy 300- Use of Force, and/or CPD Policy 45- SWAT and Negotiations Management, and/or CPD Policy 39- Authorized Duty Firearms, Off Duty Firearms, and Accessory Equipment.

**c. Authorized Use:**

Officers who are properly trained and certified through CPD in-service training in compliance with California POST training standards (2 hours every 2 years), may use the 37mm or 40mm launcher to launch kinetic impact less lethal projectiles as a force option in accordance with CPD Policy 300- Use of Force. Situations in which this equipment may be used include but are not limited to temporarily incapacitate or discourage an aggressive, armed, and/or non-compliant individual or animal at a distance safer to the officer which provides the opportunity to de-escalate the situation and potentially avoid the use of lethal force.

CPD SWAT officers may use the launchers to launch either kinetic impact rounds or, if trained, launch chemical agents in accordance with CPD Policy 300- Use of Force, and/or CPD Policy 45- SWAT and Negotiations Management, and/or CPD Policy 39- Authorized Duty Firearms, Off Duty Firearms, and Accessory Equipment.

**d. Expected Lifespan:**

Estimated to be 20 years for the DefTech launchers and unlimited for the Remington 870 Less Lethal impact weapons, both dependent upon operational usage and wear.

## Concord Police Department Military Equipment Report for 2022

e. **Fiscal Impact:**

No known recurring cost for launchers and an estimated \$0.00 - \$500.00 annual maintenance cost for the Remington 870 less lethal impact weapons. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of launchers and projectiles may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

**16. Kinetic Impact Munitions**

**a. Description, Quantity, Capabilities, and Purchase Cost:**

Less-lethal rubber and sponge batons are capable of assisting officers with overcoming resistance from violent persons and aiding in the de-escalation of high-risk situations.

- 37mm Sage Ordinance K01 Direct Impact Rubber Baton. Qty: 250. Cost per unit \$21.00.
- 40mm CTS 4557 Direct Impact Spin Stabilized Sponge Baton. Qty: 130. Cost per unit \$25.00.
- 40mm DefTech 3625 Direct Impact Spin Stabilized Sponge Baton. Qty: 8. Cost per unit \$25.00. In 2022, CPD plans to purchase an additional 250 sponge baton munitions with the estimated cost of \$6250.00.
- 12 gauge DefTech 3027 Drag Stabilized Less-Lethal Bean Bag rounds. Qty: 50. Cost per unit \$5.

**c. Purpose:**

CPD is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. Kinetic impact munitions may be used to compel an individual to cease his/her actions when such munitions present a reasonable option.

**d. Authorized Use:**

Officers who are properly trained may use the 37mm or 40mm launcher to launch kinetic impact less lethal projectiles as a use of force option and in accordance with CPD Policy 300- Use of Force.

**e. Expected Lifespan:**

No shelf life limitations provided by the manufacturer. Dependent upon operational usage and wear.

**f. Fiscal Impact:**

No known maintenance cost for the munitions. Due to operational readiness and capabilities in support of first responder missions the periodic purchase of launchers and projectiles may be required during the year. Any such purchase would be through existing CPD budget and/or grant/donation and in compliance with established City purchasing rules.

**17. Long Range Acoustic Device**

**a. Description, Quantity, Capabilities, and Purchase Cost:**

Genasys LRAD-100X. Qty: 1. Cost per unit \$15,000. The LRAD 100X is a self-contained, hand portable loud hailer that is 20-30 decibels (dB) louder than most megaphones. It provides clear communication at up to 1000 meters, 136dB maximum continuous output at 1 meter, and the ability to overcome 88 dB of background noise at 250 meters.

**b. Purpose:**

The CPD Crisis Negotiations Team uses the LRAD to establish communication with individuals who may be barricaded or are otherwise unable to be reached with a conventional public address system. This equipment is also used during high-risk situations such as search warrants where communications and notifications to the occupants of a structure are paramount.

**c. Authorized Use:**

CPD Crisis Negotiations team members take part in monthly department training ranging between an estimated 60-120 hours per calendar year. The use of the LRAD is reserved for these team members and training on the use of the LRAD is led and managed internally by team supervisors. The use of the LRAD is approved in training and during high-risk situations where the use of the LRAD for communications and notifications is appropriate as determined by the high-risk incident being managed by the Tactical/Incident Commander and normally attached to SWAT Missions as outlined in CPD Policy 45- SWAT and Negotiations Management.

**d. Expected Lifespan:**

Estimated to be 20 years, however dependent upon operational usage and wear.

**e. Fiscal Impact:**

There are no anticipated recurring costs associated with this equipment item.



## Community Concerns and Complaints

In some instances, the possession and use of military equipment may cause questions and/or concerns for members of the community. It is vitally important that community members' questions and/or complaints regarding the Concord Police Department's possession and use of military equipment are addressed.

The Concord Police Department is committed to full and fair investigations of community complaints. As such, the Department has sound internal procedures for thorough and impartial investigations of community complaints. Resolving complaints in a fair, impartial, and expeditious manner will ensure the consistent high level of integrity and efficiency maintained by the Department.

In March of 2022, the Concord Department published its proposed Military Equipment Use Policy on its website along with its first annual report. It also held a community meeting on March 24, 2022, to discuss its new proposed policy and presented its inventory of equipment.

On September 27, 2022, the Concord Police Department reported to the Concord City Council and community about its use of UAV's since the program went live in March 2022.

Community concerns and complaints can be received via the Department's website, in-person at the police department or in the field during police contacts, telephone, emails and social media.

Since the adoption of Ordinance 22-6, CPD Policy 706 and 2022 Report, CPD has received **no complaints** and has had **no internal investigations** related to the use of the military equipment.

Concord Police Department Military Equipment Report for 2022

## Crisis Response Unit Usage

The Crisis Response Unit (CRU) is comprised of two specialized teams: The Special Weapons and Tactics Team (SWAT) and the Crisis Negotiation Team (CNT). The unit has been established to provide specialized support in handling critical field operations where intense negotiations and/or special tactical deployment methods beyond the capacity of patrol officers appear to be necessary. While referred to as different “teams” both SWAT and CNT are in fact components of the CRU.

The Concord Police Department SWAT team is a designated part-time unit of personnel that is specifically trained and equipped to work as a coordinated team to resolve critical incidents that are so hazardous, complex, or unusual that they may exceed the capabilities of patrol officers or investigative units. This includes, but is not limited to: hostage taking, barricaded persons, snipers, terrorist acts and other high-risk incidents. This team may be used to serve high-risk warrants, both search and arrest, where public and officer safety issues warrant the use of such a unit.

The Concord Police Department Crisis Negotiations Team provides skilled verbal communicators who may be utilized to attempt to de-escalate and effect surrender in critical situations where suspects have taken hostages, barricaded themselves, or have suicidal tendencies, or other situations where deemed appropriate.

Date	Case	Investigation Type	Equipment Used	Reason
9/8/2022	22-09434	Gang investigation related to firearms and narcotics possession	Kinetic Breaching Tool	High-risk search warrant service
9/27/2022	22-09744	Robbery	Kinetic Breaching Tool	Search warrant service
10/24/2022	22-11138	Murder – Gun	Armored Rescue Vehicle (Mamba MK1) Armored Rescue Vehicle (Ford E-350) Crisis Negotiation Van SWAT Equipment Van SWAT Transport Van Tactical Dispatch Van Unmanned Aerial Vehicle Long Range Acoustic Device (LRAD)	High-risk search and arrest warrant
12/29/2022	22-13337	Attempted Murder – Gun	Armored Rescue Vehicle Crisis Negotiation Van SWAT Equipment Van SWAT Transport Van Unmanned Aerial Vehicle Robot Long Range Acoustic Device (LRAD)	High-risk search warrant service

## Unmanned Aerial Vehicle (Drone) Flights

During 2022, the Concord Police Department operated seven UAV, which are also known as small unmanned aircraft systems (sUAS), or more commonly “drones,” on active calls for service. These flights fall under CPD’s Policy 606.

All CPD officers piloting UAVs are licensed and fly under the authority of FAA 14 CFR Part 107 (Commercial Operators). During 2022, CPD had 13 UAV operators.

During 2022, the following UAV were in CPD’s inventory:

Qty	Brand	Model	Use
3	Autel	EVO 2	Exterior Search
2	Brinc	Lemur	Interior Search with 2-way Communication
2	Sky Hero	Loki MkII	Interior Search
2	Emax	TinyHawk III	Interior Training

The different types of UAVs fulfill specific requirements based upon the type of flight. For instance, the Autel EVO 2 is an exterior search drone that can operate outside and complies with FAA guidelines and is able to navigate with wind and other obstacles encountered outdoors.

The Brinc Lemur is designed to fly indoors and allows for 2-way communication between officers and persons inside a structure, while the Loki MkII is much smaller and can fly in tight quarters such as underneath a sofa or bed.

UAVs are rapidly evolving in design with the technology and features changing and being updated regularly. In order for CPD to maintain a current and robust program, it will need to adopt new technology as it becomes available and cycle out the old, with obsolete units either being traded-in to the manufacturer or relegated to a training platform.

Many single incidents or calls for service have multiple flights due to the device’s battery life or a mechanical issue. This list does not include training flights, test flights, or public demonstrations, but flights on actual calls for service.

### 2022 Concord Police Department UAV Flights on Calls for Service (Exhaustive List):

Date/Time	Description of Flight	Take-Off Location
Mar 18th, 2022 07:13PM	Locating individual who is missing or a danger to themselves or others	Center Ave, Pacheco
Mar 26th, 2022 07:01PM	Locating individuals who are missing or a danger to themselves or others	Robin Ln, Concord
Apr 5th, 2022 04:31PM	Locating individuals who are missing or a danger to themselves or others	Treat Blvd, Concord
Apr 6th, 2022 04:22AM	Search and rescue	Overhill Rd, Concord
Apr 6th, 2022 04:48AM	Search and rescue	Overhill Rd, Concord
Apr 7th, 2022 01:23PM	Locating individuals actively fleeing or hiding in an attempt to avoid apprehension	Highland Dr, Concord,
Apr 7th, 2022 01:30PM	Locating individuals actively fleeing or hiding in an attempt to avoid apprehension	Highland Dr, Concord

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Apr 16th, 2022 09:08PM	Locating individuals actively fleeing or hiding in an attempt to avoid apprehension	Galindo St, Concord
Apr 24th, 2022 01:56PM	Locating individuals who are missing or a danger to themselves or others	Monument Blvd, Concord
Apr 26th, 2022 11:59AM	Locating individuals actively fleeing or hiding in an attempt to avoid apprehension	Monument Blvd, Concord
Apr 24th, 2022 08:56PM	Locating individuals who are missing or a danger to themselves or others	Monument Blvd, Concord
Apr 26th, 2022 03:24PM	Locating individuals actively fleeing or hiding in an attempt to avoid apprehension	Monument Blvd, Concord
Apr 26th, 2022 05:22PM	Search for barricaded persons and other high-risk tactical operations	Santa Rita Road, Concord
Apr 26th, 2022 05:40PM	Search for barricaded persons and other high-risk tactical operations	Santa Rita Road, Concord
May 11th, 2022 10:21AM	Injury collision scene photos	Willow Pass Rd, Concord
May 11th, 2022 02:35PM	Search of school for bomb threat	Wren Ave, Concord
May 11th, 2022 03:01PM	Search of school for bomb threat	Wren Ave, Concord
May 30th, 2022 09:57AM	Search for subject with a gun	Mountain View Dr, Concord
Jul 22nd, 2022 07:27PM	Search for wanted felony suspect	Willow Pass Rd, Concord
Jul 30th, 2022 04:24PM	Search & Rescue mission to locate runaway autistic child	San Miguel Rd, Concord
Jul 30th, 2022 04:26PM	Search & Rescue mission to locate runaway autistic child	San Miguel Rd, Concord
Aug 17th, 2022 11:35AM	Searching for discarded evidence	Clark Ln, Concord
Aug 17th, 2022 11:58AM	Searching for discarded evidence	Clayton Rd, Concord
Aug 17th, 2022 06:32PM	Collision scene photos/video	Lacey Ln, Concord
Aug 18th, 2022 04:09PM	Search for missing person	Scenic Ct, Concord
Aug 19th, 2022 10:09PM	Search for missing person	Pine St, Concord
Aug 22nd, 2022 02:00AM	Area check for suspect	W2RG+4W Concord
Aug 22nd, 2022 02:26AM	Area check for suspect	W2RG+4W Concord
Aug 22nd, 2022 02:28AM	Area check for wanted suspect	Pine Hollow Rd, Concord
Sep 14th, 2022 06:20AM	Serving search warrant for Internet Crimes Against Children Taskforce/DA's office	Chestnut Ave, Concord
Sep 14th, 2022 06:25AM	Serving search warrant for Internet Crimes Against Children Taskforce/DA's office	Chestnut Ave, Concord
Sep 14th, 2022 06:40AM	Serving search warrant for Internet Crimes Against Children Taskforce/DA's office	Chestnut Ave, Concord
Sep 15th, 2022 06:41PM	Perimeter/Over watch for residential burglary in progress	Fox Way, Concord
Sep 15th, 2022 07:05PM	Perimeter/Over watch for residential burglary in progress	Fox Way, Concord

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Sep 16th, 2022 05:13AM	Search for subject reported trespassing on roof of apartment complex	Galindo St, Concord
Sep 22nd, 2022 03:07AM	Checked scene of house fire for hot spots (Thermal)	Orange St, Concord
Sep 22nd, 2022 07:04AM	Search Warrant for robbery investigation	Sequoia Dr, Antioch
Sep 22nd, 2022 07:12AM	Search Warrant for robbery investigation	Sequoia Dr, Antioch
Sep 23rd, 2022 06:14PM	Aerial check for armed suspect downtown	Pacheco St, Concord
Sep 23rd, 2022 06:26PM	Aerial search and over watch for armed suspect downtown	Mt Diablo St, Concord
Sep 23rd, 2022 06:39PM	Aerial search and over watch for armed suspect downtown	Mt Diablo St, Concord
Sep 23rd, 2022 06:44PM	Aerial search and over watch for armed suspect downtown	Mt Diablo St, Concord
Sep 23rd, 2022 07:04PM	Aerial search and over watch for armed suspect downtown	Mt Diablo St, Concord
Sep 26th, 2022 09:52PM	Requested to fly over Lime Ridge open space to search for a missing person	Ridgestone Ct, Walnut Creek
Sep 26th, 2022 10:03PM	Requested to fly over Lime Ridge open space to search for a missing person	Ridgestone Ct, Walnut Creek
Sep 26th, 2022 10:50PM	Requested to fly over Lime Ridge open space to search for a missing person	Rosehedge Ct, Concord
Sep 27th, 2022 06:45PM	Searching for wanted sexual assault suspect	Contra Costa Blvd, Pleasant Hill
Sep 27th, 2022 07:06PM	Searching for wanted sexual assault suspect	Contra Costa Blvd, Pleasant Hill
Sep 27th, 2022 07:16PM	Searching for wanted sexual assault suspect	Contra Costa Blvd, Pleasant Hill
Sep 27th, 2022 07:32PM	Searching for wanted sexual assault suspect	Contra Costa Blvd, Pleasant Hill
Sep 27th, 2022 07:42PM	Searching for wanted sexual assault suspect	Contra Costa Blvd, Pleasant Hill
Sep 27th, 2022 08:06PM	Searching for wanted sexual assault suspect	Contra Costa Blvd, Pleasant Hill
Sep 30th, 2022 02:09AM	Collision investigation photos	Tilley Cir, Concord
Sep 30th, 2022 02:11AM	Collision Investigation photos	Tilley Cir, Concord
Sep 30th, 2022 02:14AM	Collision investigation photos	Tilley Cir, Concord
Oct 1st, 2022 07:10AM	Sunshine Drive shooting	Sunshine Dr, Concord
Oct 1st, 2022 07:15AM	Sunshine Drive shooting	Sunshine Dr, Concord
Oct 1st, 2022 07:24AM	Sunshine Drive shooting	Sunshine Dr, Concord
Oct 5th, 2022 03:45PM	Subject in mental health crisis entered the SV Mall claiming he had a gun and would shoot people. UAV used to establish visual and allow a CNT officer to communicate with him. Subject subsequently surrendered.	Sun Valley Mall, Concord
Oct 7th, 2022 03:06PM	Missing subject with disability - did not locate	Erie Dr, Concord

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Oct 12th, 2022 06:56AM	Serving search warrant for Internet Crimes Against Children Taskforce/DA's office	Morgan Dr, San Ramon
Oct 13th, 2022 02:47PM	Safe Streets Task Force	Welcome Ave, Concord
Oct 15th, 2022 11:14PM	Search for missing person at risk	La Vista Ave, Concord
Oct 16th, 2022 12:23PM	Aerial pictures and video for collision investigation	Court Ln, Concord
Oct 16th, 2022 07:55PM	Search for missing person at risk	Willow Pass Rd, Concord
Oct 17th, 2022 12:13AM	Outside assist Antioch robbery suspects had open line from stolen cellphone pinging to the area of the golf course. Unable to access golf course and drone used to check area	Arnold Industrial Way, Concord
Oct 21st, 2022 04:16AM	Assisted CFD during a structure fire using FLIR capable drone to spot hotspots on the affected building and surrounding structures	Willow Pass Rd, Concord
Oct 21st, 2022 04:37AM	Assisted CFD during a structure fire using FLIR capable drone to spot hotspots on the affected building and surrounding structures	Willow Pass Rd, Concord
Oct 21st, 2022 05:01AM	Assisted CFD during a structure fire using FLIR capable drone to spot hotspots on the affected building and surrounding structures	Willow Pass Rd, Concord
Oct 21st, 2022 05:22AM	Assisted CFD during a structure fire using FLIR capable drone to spot hotspots on the affected building and surrounding structures	Willow Pass Rd, Concord
Oct 21st, 2022 05:49AM	Assisted CFD during a structure fire using FLIR capable drone to spot hotspots on the affected building and surrounding structures	Willow Pass Rd, Concord
Oct 23rd, 2022 11:07PM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 12:04AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 12:30AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 12:53AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 01:22AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 01:51AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 02:15AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 02:33AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 02:58AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 03:21AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 03:43AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 04:07AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 04:27AM	Attempt murder investigation	Chestnut Ave, Concord

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Oct 24th, 2022 04:49AM	Attempt murder investigation	Chestnut Ave, Concord
Oct 24th, 2022 08:01AM	Searching canal for report of male armed with a rifle	Stanwell Dr, Concord
Oct 24th, 2022 08:16AM	Searching canal for report of male armed with a rifle	Stanwell Dr, Concord
Oct 25th, 2022 05:12PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 25th, 2022 05:29PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 25th, 2022 05:46PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 25th, 2022 06:09PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 26th, 2022 04:31PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 26th, 2022 04:41PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 26th, 2022 06:01PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 27th, 2022 04:55PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 27th, 2022 05:06PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 27th, 2022 05:28PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 27th, 2022 05:46PM	Child sexual assault suspect apprehension over watch	Brandywine Way, Walnut Creek
Oct 31st, 2022 10:02PM	Outside assist stolen vehicle investigation	22 Teal Ct, Pittsburg
Nov 1st, 2022 04:28PM	Brandishing of a gun involving a neighbor dispute	2 G St, Concord
Nov 1st, 2022 04:42PM	Brandishing of a gun involving a neighbor dispute	2 G St, Concord
Nov 1st, 2022 08:59PM	Fatal collision investigation	Treat Blvd, Concord
Nov 1st, 2022 09:03PM	Fatal collision investigation	Treat Blvd, Concord
Nov 1st, 2022 09:06PM	Fatal collision investigation	McKean Pl, Concord
Nov 1st, 2022 09:08PM	Fatal collision investigation	McKean Pl, Concord
Nov 5th, 2022 11:35AM	Provided aerial coverage over the house of a felony warrant child sexual assault suspect. Maintained visual of the house until subject was spotted by drone entering his vehicle. Information was then relayed to other officers who made the arrest	Olivera Ct, Concord
Nov 5th, 2022 11:59AM	Provided aerial coverage over the house of a felony warrant child sexual assault suspect. Maintained visual of the house until subject was spotted by drone entering his vehicle. Information was then relayed to other officers who made the arrest	Olivera Ct, Concord
Nov 5th, 2022 12:23PM	Provided aerial coverage over the house of a felony warrant child sexual assault suspect. Maintained visual of the house until subject was spotted by	Olivera Ct, Concord, CA

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	drone entering his vehicle. Information was then relayed to other officers who made the arrest	
Nov 8th, 2022 01:11AM	Attempt to locate possible armed subject	Diamond Blvd, Concord
Nov 11th, 2022 02:00PM	Call for service about a subject with a gun at the park. Deployed drone for aerial coverage in order to safely get a visual of the subject. As drone was deployed, subject left the park and was arrested by CPD ground units. Arrest captured on drone video	Encima Dr, Concord
Nov 27th, 2022 09:17AM	Aerial search of Lime Ridge Open Space for suspect of brandishing and assault with a deadly weapon. Search of trail/open space conducted, suspect was not located. Flight had evidentiary value	Terrace Dr, Concord
Nov 28th, 2022 10:22AM	Suspicious circumstance possible man with a gun at Concord HS	Mulberry Dr, Concord
Nov 28th, 2022 06:51PM	Assault with a knife. Flew overhead with infrared to assist in clearing backyard	Detroit Ave, Concord
Nov 30th, 2022 06:56AM	Serving search warrant for Internet Crimes Against Children Taskforce/DA's office	Alhambra Drive, Antioch
Dec 18th, 2022 10:17AM	Searched for subject wanted to for narcotics sales	Meadow Ln, Concord
Dec 22nd, 2022 11:28PM	Conducted an air search for a suspect who was seen jumping over a fence into a construction zone. I did not locate anyone inside	Clayton Rd, Concord



## Projected Equipment Acquisition and Replacement in 2023

Ammunition, projectiles, cartridges, batteries, and other expendable and maintenance supplies are ordered and replaced on an as needed basis throughout the year in order to maintain an adequate supply for training and actual deployment.

### Ordered and Awaiting Receipt:

Item	Qty	Date Ordered	Cost
DefTech 1425 Single 40mm Launcher	14	6/14/22	\$21,959
DefTech 1440 Multi 40mm Launcher	2	6/14/22	\$6,695
The Armored Group (TAG) Ford T350 Armored Rescue Van	1	Week of 3/8/23	\$180,535

The ordered DefTech 40mm launchers will replace the 37mm SAGE launchers, which will be cycled out of service and traded-in to the vendor.

The TAG Ford T350 Armored Rescue Van will replace the 1993 Ford E350 currently in inventory that has reached end of life. This van has no offensive capabilities and is a standard commercial Ford T350 with the addition of ballistic armor and transparent ballistic glass.

### Planned Order:

Item	Qty	Cost
Aardvark Kinetic Breaching Tool	1	\$9,650
Brinc Lemur2 UAV Kit	1	\$21,999
Autel EVO Max 4T	1	\$8,499
SkyHero Loki MkII	2	\$10,885

The additional Aardvark KBT will supplement the one unit already in service. The additional unit will be available should the existing unit in inventory malfunction or be deployed in separate place (for instance two search warrants being executed simultaneously).

The two additional SkyHero Loki MkII UAV are needed due to the brief battery life for each unit and each unit being paired to single controller. Operationally, interior drones like the Loki MkII are much more susceptible to being taken out of service while on a call due to environmental conditions inside structures (blinds, plastic bags, hanging lights, clothing, etc.). On actual calls for service, more than one unit is often needed.

The Brinc Lemur2 is an interior search UAV with 3D mapping technology and an extended battery life. The Lemur2 also has the ability to stream footage recorded by the unit to multiple cell phones, which the Lemur does not, as well as having enhanced obstacle awareness. The interior 3D mapping technology alone will give officers the ability to create a map or plan of a structure prior to entry or when attempting to locate persons.

The Autel EVO Max 4T is an exterior search UAV and a more advanced version of the EVO 2 currently in use by CPD. It has an IP43 weather rating meaning it can fly in the rain, which our current exterior UAV, the Autel Evo 2 cannot. It has an extended flight range and time as well as enhanced obstacle avoidance.

## **Conclusion**

This Annual Military Equipment Report reaffirms the Concord Police Department's commitment to providing transparency and information to our community and elected officials in addition to ensuring compliance with California State law. The equipment, resources, and training outlined in this report allow Concord Police Officers to better serve and protect our community, enhance the safety of officers, and bring critical incidents to a safe resolution.