

# REDLANDS POLICE DEPARTMENT

REDLANDS, CALIFORNIA.



Annual  
Military  
Equipment  
Audit

# CURRENT MILITARY EQUIPMENT

Per California Government Code 7070 (AB 481), the following information is an inventory of qualifying specialized equipment deemed “military equipment,” currently available for use by the Redlands Police Department.

It is understood that manufacturers, models, model numbers, and equipment pricing are constantly subject to change without notice. While efforts have been made to produce an accurate accounting for the fiscal impact of RPD equipment which is identified under Govt Code 7072, these details are subject to change and this list may not be updated accordingly throughout the year. Additionally, maintenance and replacement costs are estimated, and may be higher or lower than actual cost.

## I. Unmanned Aerial Systems (Govt Code 7070(c)(1)):

### A. Description:

**1. Small Unmanned Aircraft Systems (sUAS):** An unmanned aircraft of any type, that is capable of sustaining directed flight, whether pre-programmed or remotely controlled, to include supporting or attached systems designed for gathering information through imaging, recording or by any other means.

### 2. Current inventory.

- a. DJI Phantom 4 Pro drone, quantity: 6 (out of service).
- b. DJI Mavic drone, quantity: 3 (out of service).
- c. DJI mini drone, quantity: 1.
- d. Autel Robotics Evo II drone, quantity: 7.
- e. DJI Avata 2 drone, quantity: 4.

**B. Capability:** sUAS are currently utilized to assist with various types of calls for service, to document traffic collision/crime scenes, search and rescue, barricaded subjects or high-risk tactical situations, and to act as a force multiplier for SWAT to mitigate safety concerns in building/open-area searches.

**C. Usage:** sUAS are to be used by trained pilots during high-risk operations, tactical operations, disaster response, search and rescue, and video and photographic documentation of crime scenes.

**D. Training requirements:** All department sUAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must attend a 40-hour department training and ongoing quarterly training.

**E. Complaints or concerns received:** None.

**F. Cost:** \$1,399 to \$1,600 each.

**G. Maintenance:** Annual maintenance and battery replacement costs \$700.

**H. Lifespan:** Approximately 3-5 years.

## II. Robot (Govt Code 7070(c)(1)):

### A. Description:

**1. Aardvark Robotex Avatar 3 tactical robot (out of service):** An unmanned tracked robot is a battery powered, remote operated device, equipped with a camera and two-way radio capability.

**B. Capability:** Unmanned tracked robots can support first responders in any hazardous incident which would benefit from a ground level perspective. UTRs aid in situations including but not limited to barricaded subjects, high-risk tactical situations, hostage rescue, disaster response, and searches of small or confined areas.

**C. Usage:** UTRs are to be used exclusively by SWAT during high-risk operations, disaster response, or searches of confined areas for suspects, hostages, or evidence.

**D. Training Requirements:** SWAT operators regularly train on safe robot deployment in a variety of operational settings.

**E. Complaints or concerns received:** None.

**F. Cost:** \$12,500.

**G. Maintenance:** \$0.

**H. Lifespan:** Varies with operational use and wear, currently out of service.

### III. Armored Vehicles (Govt Code 7070(c)(2)):

#### A. Description:

1. **Lenco Bearcat G3 ballistic rescue vehicle** equipped with breaching apparatus. This is an armored vehicle which seats 10-12 personnel with an open floor plan. The Bearcat G3 has increased ground clearance and a robust suspension which allows for an emergency response to almost any situation. It can stop various projectiles, which provides greater safety to citizens and officers beyond the protection level of a shield or personal body armor.
2. **Navistar Maxxpro Mine-resistant ambush-protected (MRAP)** vehicle (out of service). The MRAP vehicle seats 8 personnel. It can stop various projectiles, which provides greater safety to citizens and officers beyond the protection level of shield or personal body armor.

**B. Capability:** Armored vehicles can support first responders in any hazardous, high-risk, or critical incident which would benefit from having a vehicle which provides a high level of ballistic protection.

**C. Usage:** Armored vehicle use includes but is not limited to active shooter situations, armed barricaded subjects, hostage situations, high-risk tactical operations, disaster response, and officer/citizen rescues.

**D. Training Requirements:** Officers authorized to operate the Bearcat G3 are required to successfully complete in-house training on its capabilities and maintain a valid class "C" driver's license. Officers authorized to operate the MRAP shall attend formalized instruction and be trained in vehicle operations and driving instruction. Drivers of the MRAP must maintain a valid class "A" drivers license.

**E. Complaints or concerns received:** None.

**F. Cost:** Bearcat G3 approximately \$350,000. Navistar Maxxpro MRAP, free.

**G. Maintenance:** Bearcat G3 approximately \$5,000 annually. MRAP is zero annually as it is out of service.

**H. Lifespan:** Bearcat G3 and MRAP, approximately 25 years, depending on operational usage and wear.

#### IV. Command and Control Vehicle (Govt Code 7070(c)(5)):

##### A. Description:

1. **Command and control vehicle or mobile command unit (MCU).** The Mobile Command Unit is a converted, self-contained, 5<sup>th</sup> wheel recreational vehicle outfitted for mobile command which includes a dispatch/communications center, a briefing room, surveillance capabilities, a lavatory, and break room area.

**B. Capability:** Mobile unit which can be deployed into the field.

**C. Usage:** The MCU is utilized as an Incident Command Post for planned or unplanned events to include critical incidents, large events, natural disasters, crime scenes, and community events.

**D. Training requirements:** The driver/operator shall receive training in the safe handling of the vehicle on a closed training course. Once the driver/operator has shown competence in vehicle handling, the driver/operator will maneuver the vehicle throughout the city with an experienced authorized driver/operator.

**E. Complaints and concerns:** None.

**F. Cost:** \$200,000.

**G. Maintenance:** Approximately \$2,000 annually.

**H. Lifespan:** Approximate 20-year lifespan on chassis and vehicle structure, dependent on operational usage and wear.

#### V. Breaching Tools (Govt Code 7070(c)(7)):

##### A. Description:

1. **Aardvark 3-1000 kinetic breaching tool (KBT).** The KBT was purpose-built from the ground up to solve a specific problem for tactical units: filling the gap between manual forced entry and explosive breaching. This tool employs the best of physics in the form of a self-contained impact ram with powder-actuated cartridges that go directly into a door or entryway. The KBT captures the force of the ram within the tool, ensuring that no projectile or explosive energy leaves the device.

**B. Capability:** To safely make rapid entry into any structure.

**C. Usage:** The KBT may be deployed during but not limited to the service of search warrants, rescue scenarios, or any other situation where its necessary to breach a fortified structure. The KBT may only be utilized upon authorization by the SWAT Commander or Incident Commander.

**D. Training requirements:** All officers who use the KBT shall receive instruction on the safe and proper use of the KBT and must periodically receive refresher training.

**E. Complaints and concerns:** None.

**F. Cost:** \$18,000.

**G. Maintenance:** Approximately \$500 annually.

**H. Lifespan:** Approximately 25 years, dependent on operational use and wear.

## VI. Specialized Firearms and Ammunition (Govt Code 7070(c)(10)):

### A. Description:

1. **Sig Sauer 716 DMR AR-10**, model LR-308, .308 caliber rifle.

a. Cost: \$1,500 per firearm.

b. Quantity: 1.

2. **Remington Police LTR**, .308 caliber, bolt action rifle.

a. Cost: 1,200 per firearm.

b. Quantity: 4.

**3. AR-15 rifles (Manufactured by Colt, Bushmaster, Sig Sauer, Fabrique Nationale):**

- a. Cost: Approximately \$1,200 per firearm.
- b. Quantity: 100.

**4. Surefire SOCOM556 fast attach suppressor.**

- a. Cost: \$1,300 per unit.
- b. Quantity: 18.

**5. Winchester Ranger centerfire rifle cartridges, pointed soft-point, .223 REM caliber, 55 grain.**

- a. Cost: \$474.00 per case.
- b. Quantity: 50 cases.

**6. Hornady A-Max TAP precision ammunition, .308 caliber WIN TAP, 168 grain.**

- a. Cost: \$53.12 per box.
- b. Quantity: 50 boxes.

**B. Capability:** Specialized firearms and ammunition are deployed to SWAT to maintain superior firepower in tactical situations and potential lethal encounters.

**C. Usage:** AR-15 carbines and bolt action rifles provide officers the ability to engage hostile suspects at distances generally greater than the effective distance of their handguns. Additionally, these weapon systems provide for increased accuracy and the ability to defeat soft body armor.

**D. Training requirements:** All officers attend a POST-approved rifle course and regularly qualify with their rifle/carbine. SWAT operators partake in regular rifle training and consistent firearms qualifications to maintain proficiency with the AR-15 carbine and bolt action rifle.

**E. Complaints and concerns:** None.

**F. Maintenance:** Approximately \$50 per firearm annually, dependent on wear and usage.

**G. Lifespan:** No expiration, dependent on usage and wear.

## VII. Noise-Flash Diversionary Devices (Govt Code (c)(12)):

### A. Description:

1. **Light sound diversionary device** is a non-bursting, non-fragmenting device that produces a thunderous bang with an intense bright light.

### 2. Current Inventory:

- a. Combined Tactical Systems model 7290 (single) bang, quantity: 23.
- b. Combined Tactical Systems model 7290-3 (three) bang, quantity: 11.
- c. Combined Tactical Systems model 7290-5 (five) bang, quantity: 8.

**B. Capability:** Diversionary devices can release large amounts of stored energy in the form of heat, light, pressure, and noise.

**C. Usage:** Diversionary devices are to be used exclusively by the SWAT team. Ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high risk arrest situations.

**D. Training requirements:** Prior to use, officers must attend diversionary device training conducted by POST-certified instructors.

**E. Complaints and concerns:** None.

**F. Cost:** \$30 to \$70 per device, dependent on model.

**G. Maintenance:** No annual maintenance.

**H. Lifespan:** Until used.

## VIII. Chemical Agents and Chemical Agent Delivery Devices (Govt Code (c)(12)):

### A. Description:

1. Compounds, devices, and delivery systems utilized by SWAT, Mobile Field Force, and patrol officers. Compounds can include irritants such as Chlorobenzylidenemalononitrile (CS) or an inflammatory agent such as Oleoresin Capsicum (OC). Chemical agents can be liquid, powder, or gaseous. Delivery systems can be pyrotechnic, blast dispersion, OC fogger, or aerosol.

- a. **Chemical Agent Delivery System** consists of the following: A burn safe is a cylindrical metal container designed to contain a pyrotechnic chemical agent canister to reduce fire hazard upon deployment into a structure.

## 2. Current Inventory:

- a. Ferret 40mm CS rounds manufactured by Defense Technologies, quantity: 12.
- b. Ferret 40mm OC rounds manufactured by Defense Technologies, quantity: 15.
- c. Flameless tri-chamber CS rounds manufactured by Defense Technologies, quantity: 3.
- d. Aerosol OC/CS gas canisters manufactured by Defense Technologies, quantity: 3.
- e. 12-gauge rounds of liquid CS manufactured by Defense Technologies, quantity: 20.
- f. 12-gauge rounds of powder CS manufactured by Defense Technologies, quantity: 20.
- g. OC/CS aerosol grenade manufactured by Combined Tactical Systems, quantity: 2.
- h. OC aerosol grenades manufactured by Combined Tactical Systems, quantity: 38.

- B. Capability:** Depending on the delivery method, chemical agents are capable of being introduced in close proximity or from a distance. Depending on the type of delivery system and/or quantity, chemical agents can be used to saturate individual suspects, violent crowds, or areas of varied size.
- C. Usage:** Chemical agents are to be used by the SWAT team, Mobile Field Force, and/or patrol officers. Generally, during high-risk tactical situations, chemical agents can be used to dislodge a suspect from a stronghold location with the least possible danger to citizens, law enforcement, and the suspect. Chemical agents can also be used to prevent an armed suspect from accurately firing at citizens and/or law enforcement. They can also be used in limited instances during civil unrest to disperse violent crowds.
- D. Training requirements:** Only officers who have received POST certification in the use of chemical agents are authorized to deploy chemical agents.
- E. Complaints and concerns:** None.
- F. Cost:** \$30 to \$60 per device, dependent on model.
- G. Maintenance:** No annual maintenance.
- H. Lifespan:** 5 years from manufacture date.

## IX. Projectile Launch Platforms and Associated Munitions (Govt Code (c)(14)):

- A. Description:** Defense Technology 40LMTS is a tactical single shot launcher that features an expandable stock and an adjustable Integrated Front Grip (IFG) with light rail. The ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two-point sling attachment. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.
- 1. Defense Technology 40 mm launcher** less lethal impact weapon, quantity: 13.
  - 2. Defense Technology 40 mm sponge rounds** less lethal projectiles, quantity: 130.
- B. Capability:** 40mm launchers are capable of firing a variety of munitions with the ability to travel 305 feet per second and with a maximum effective range of five (5) feet to one hundred twenty (120) feet. 40mm launchers can deliver 40mm munitions in the form of sponge baton rounds or in the form of chemical agents (OC/Oleoresin Capsicum).
- C. Usage:** The 40mm impact weapon is authorized for use by any officer that has been trained in its use and maintains current qualifications. The 40mm launcher used with less lethal sponge rounds is a less lethal option in dealing with uncooperative, armed, and/or assaultive subjects to gain compliance, overcome resistance, or to prevent serious injury or death to suspects, bystanders, or officers.
- D. Training requirements:** Officers that have been trained in the use of the 40mm launcher undergo training in its use. Additionally, officers trained in the use of the 40mm launcher must pass annual qualifications to maintain proficiency.
- E. Complaints and concerns:** None.
- F. Cost:** \$1,000 per launcher. \$23.39 per 40mm sponge round.
- G. Maintenance:** Approximately \$200 per launcher, dependent on operational use and wear.
- H. Lifespan:** Dependent on operational use and wear.

# REQUESTS FOR ADDITIONAL EQUIPMENT

In 2025, Redlands Police Department will seek to purchase the following items reportable under CA Government Code 7070:

Frangible impact – OC powder 40mm rounds. Quantity: 50.

Sponge, smokeless direct impact 40mm rounds. Quantity: 50.

Frangible impact – orange marking powder 40mm rounds. Quantity: 15.

Launching cup for 12 gauge less lethal shotgun. Quantity: 1.

Launching cartridge for 12 gauge less lethal shotgun. Quantity: 35.

Barricade liquid OC 40mm rounds. Quantity: 25.

Barricade liquid CS 40mm rounds. Quantity: 25.

Baffled CS canister (launchable). Quantity: 25.

OC – CS vapor canister. Quantity: 25.

Mini LSDD (single). Quantity: 18.

CS canister (non-launchable). Quantity: 15.

Smoke Jet-Lite canister grenade. Quantity: 15.

FN 15 patrol carbine M-LOK 16" rifles, 5.56x45mm. Quantity 10.

