



# ARROYO GRANDE POLICE DEPARTMENT

## 2024 MILITARY EQUIPMENT INVENTORY



1. **Unmanned Aircraft System (UAS):** An unmanned aircraft along with the associated equipment necessary to control it remotely.

**Agency cost of maintaining the UAV (training and software) program in 2024: \$750**

**The Agency purchased one additional UAS DJI Air 3 at a cost of \$1,858**

a) Description, quantity, capabilities, and purchase cost of current UAS:

- i. DJI MAVIC ENTERPRISE Advanced, cost: \$6,900 each, quantity: 2. UAS that has a color and inferred camera as well as audible speaker and light. Capable of video recording, weighs 909 grams, and has approx. 30 minutes of flight time.
- ii. DJI Air 3, cost \$1,549, quantity: 1. UAS has a dual-primary camera system, embedding a 1/1.3-inch-CMOS wide-angle camera and a 1/1.3-inch-CMOS 3x medium tele camera.
- iii. DJI Air 3, cost \$1,858, quantity: 1. UAS has a dual-primary camera system, embedding a 1/1.3-inch-CMOS wide-angle camera and a 1/1.3-inch-CMOS 3x medium tele camera.

b) Purpose

To be deployed when its view would assist officers or incident commanders with the following situations, which include but are not limited to:

- i. Major collision investigations.
- ii. Search for missing persons.
- iii. Natural disaster management.
- iv. Crime scene photography.
- v. SWAT, tactical, or other public safety and life preservation missions.
- vi. In response to specific requests from local, state, or federal fire authorities for fire response and/or prevention.

c) Authorized Use

Only assigned operators who have completed the required training shall be permitted to operate the DJI Mavic during approved missions.

d) Expected Life Span

All UAS equipment, 3-5 years.

e) Fiscal Impact

The annual estimated maintenance and battery replacement cost is approximately \$200.



# ARROYO GRANDE POLICE DEPARTMENT



## 2024 MILITARY EQUIPMENT INVENTORY

f) Training

All Department UAS operators are licensed by the Federal Aviation Administration for UAS operation and are certified under the FAA Part 107 as remote pilots. In addition, each operator must attend department training and ongoing quarterly training.

g) Legal and Procedural Rules

Use is established under FAA Regulation 14 CFR Part 107, and the City of Arroyo Grande UAS policy. It is the policy of the AGPD to utilize UAS only for official law enforcement purposes and in a manner that respects the privacy of our community, pursuant to State and Federal law.

2. **40 MM Launchers and Rounds:** 40MM Launchers are utilized by department personnel as a less lethal tool to launch impact rounds.

**Agency cost of maintaining the 40 MM launchers and Rounds in 2024: \$1,361**

a) Description, quantity, capabilities, and purchase cost

- 1) DEFENSE (LMT) TECHNOLOGY, 40MM SINGLE SHOT LAUNCHER, cost: \$1,000, quantity: 9. The 40MM Single Launcher is a tactical single shot launcher that features an expandable ROGERS Super Stock and an adjustable Integrated Front Grip (IFG) with light rail. It will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. It will launch a 40MM less lethal round up to 131 feet. This less lethal platform replaced the Bean Bag shotgun and is authorized to be used by patrol personnel. The launcher is orange in color and has a holographic red dot sighting system.
- 2) BYRNA SDI. The 40mm BIP is a blunt impact kinetic energy round. Cost: \$22 per round, quantity: 15. The patented technology involves an internal energy absorption system, as well as a collapsible gel head. BIPs have an effective minimal optimal range of 6.6 feet (2m), though are operational at point blank. In independent party Blunt Trauma Testing of several 40mm Impact rounds, the BIP round had the lowest impact force response. The Viscous criterion (VC) was used as an indicator of injury severity, the higher (VC) value the higher the risk of injury. The BIP Peaked at (0.10) while the other rounds peaked at (.012-.097) The BIP has been designed utilizing ballistic technologies, which allow for consistent in-flight stability throughout an almost flat trajectory. These rounds have repeatedly shown effectiveness and reliability at ranges up to 150 feet (45m). The Byrna SDI is no longer available and has is being phased out.
- 3) CTS Model 4557. The 40mm is a blunt impact kinetic energy round. Cost: \$24 per round, quantity: 50. The 40mm Sponge Baton is a spin-stabilized projectile delivering blunt trauma effect. CTS does not have a minimum stand-off range, making this a safer, less lethal round. Although it is extremely accurate and consistent, accuracy is



# ARROYO GRANDE POLICE DEPARTMENT

## 2024 MILITARY EQUIPMENT INVENTORY



dependent on the launcher, using open sights vs. an improved sight, environmental conditions, and the operator.

- 4) DEFENSE TECHNOLOGY, FERRETT 40MM LIQUID BARRICADE PENETRATOR ROUND, cost: \$23, quantity: 15. A 40MM round used 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 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 incapacitation of potentially violent or dangerous subjects. This is for use by SWAT team members only.

b) Purpose

To limit the escalation of conflict and preserve life where the employment of lethal force is prohibited or undesirable.

c) Authorized Use

Situations for use of the less lethal weapon systems may include, but are not limited to:

- i. Self-destructive, dangerous, and/or combative individuals.
- ii. Riot/crowd control and civil unrest incidents.
- iii. Circumstances where a tactical advantage can be obtained.
- iv. Potentially vicious animals.
- v. Training exercises or approved demonstrations.

d) Training

Sworn members utilizing 40MM less lethal chemical agents or impact rounds are trained in their use by POST-certified less lethal and chemical agent instructors.

e) Lifespan

- Defense Technology LMT- 25 years.
- BYRNA SDI. The 40mm BIP- 5 years.
- CTS 4557. The 40mm Sponge Baton- 5 years.
- Model 2262 Liquid Barricade Penetrator round- 5 years.

f) Fiscal Impact

Annual maintenance is approximately \$25 for each launcher.

g) Legal and Procedural Rules



# ARROYO GRANDE POLICE DEPARTMENT

## 2024 MILITARY EQUIPMENT INVENTORY



Use is established under AGPD policy 308.8. It is the policy of the AGPD to utilize the 40mm only for official law enforcement purposes and pursuant to State and Federal law, including those regarding the use of force.

3. **Distraction Devices:** A distraction device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry, or other high-risk arrest situations.

**There was no cost to the agency to maintain this device during the 2024 calendar year.**

a) Description, quantity, capabilities, and purchase cost

- 1) Defense Technology #8901, Cost \$50 Quantity: 6. The Distraction Device® Reload utilizes a standard military-style M201A1 type fuze and produces 175 dB of sound output at 5 feet and 6-8 million candelas for ten milliseconds. This reload is for use in the Distraction Device low roll body.

b) Purpose

To produce atmospheric overpressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.

c) Authorized Use

- i. Diversionary Devices shall only be used:
- ii. By officers who have been trained in their proper use.
- iii. In hostage and barricaded subject situations.
- iv. In high risk warrant (search/arrest) services where there may be extreme hazards to officers.
- v. During other high-risk situations where their use would enhance officer safety.
- vi. During training exercises.

d) Lifespan

Until used.

e) Fiscal Impact

There is no annual maintenance.

f) Training

Prior to use, officers must attend diversionary device training that is conducted by post-certified instructors.

g) Legal and Procedural Rules

Use is established under AGPD policy 408. It is the policy of the AGPD to utilize diversion devices only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.



# ARROYO GRANDE POLICE DEPARTMENT

## 2024 MILITARY EQUIPMENT INVENTORY



4. **Rifles:** Guns that are fired from shoulder level, having a long spirally grooved barrel intended to make bullets spin and thereby have greater accuracy over a long distance.

\* Government Code 7070 (10) Specialized firearms and ammunition of less than .50 caliber, including assault weapons as defined in Sections 30510 and 30515 of the Penal Code, with the exception of standard issue service weapons and ammunition of less than .50 caliber that are issued to officers, agents, or employees of a law enforcement agency or a state agency.

Patrol Rifles are standard-issue service weapons for all officers and, therefore, do not require reporting per Gov. Code 7070 (10) as outlined in AGPD policy 709, adopted in City Ordinance NO.714.

**There was no cost to the agency to maintain this device during the 2024 calendar year.**

**Agency cost of maintaining Rifle ammunition inventory in 2024: \$6,410**

a) Description, quantity, capabilities, and purchase cost

- 1) Colt Defense, 5.56mm Patrol Semi-Automatic Rifle. Cost \$0, quantity 27, officially designated Rifle, Caliber 5.56 NATO. Standard-issued service weapon.
- 2) Federal 5.56mm CALIBER 55 GRAIN RIFLE ROUND, quantity 8,500 rounds. cost: \$0.46 per round made by Federal. These full metal jacket rounds are used for training and a CA POST required qualification.
- 3) Hornady Black 5.56 Nato 75 GRAIN HD SBR RIFLE ROUND, quantity 4,000 rounds. Cost \$0.85 per round. 5.56 Nato 75 gr InterLock HD SBR Hornady Black is designed specifically for 10.5"-11.5" SBRs by using proprietary propellant technology and a bullet designed with technology from industry-leading Critical Duty FlexLock bullets. This round provides exceptional ammunition performance in SBR's suppressed or unsuppressed, with virtually no flash or residue, dramatically reduced sound signature, will not foul or overheat suppressors, uniform velocity and accuracy, and provides a controllable rate of fire in automatic platforms. Designed to meet the requirements of the FBI protocol, this round is the optimum choice for 10.5"-11.5" barreled 5.56 rifles. This is the Duty round for standard-issue patrol rifles.

b) Purpose

To be used as precision weapons to address a threat with more precision and/or greater distances than a handgun, if present and feasible.

c) Authorized Use

Only members who are POST certified are authorized to use a rifle.

d) Lifespan

- 1) Colt Defense, 5.56mm Patrol Semi-Automatic Rifle - no expiration.
- 2) Remington .223 CALIBER 55 GRAIN RIFLE ROUND - no expiration.
- 3) Hornady Black 5.56 Nato 75 GRAIN HD SBR RIFLE ROUND - no expiration.



# ARROYO GRANDE POLICE DEPARTMENT

## 2024 MILITARY EQUIPMENT INVENTORY



e) Fiscal Impact

Annual maintenance is approximately \$50 for each rifle. Annual Ammunition cost is accounted for in the current department budget. Rifle ammunition accounts for approximately \$3,000 annually.

f) Training

Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members who operate any rifle are required to pass a range qualification 4 times a year.

g) Legal and Procedural Rules

Use is established under AGPD policies 312 and 432. It is the policy of the AGPD to utilize rifles only for official law enforcement purposes and pursuant to State and Federal law regarding the use of force. All Rifles deployed by the Arroyo Grande Police Department are owned by the Police Department.

5. **Pepper-Ball Launcher:** A device that discharges irritant projectiles.

**There was no cost to the agency to maintain this device during the 2024 calendar year.**

**Agency cost of maintaining Pepper-Ball ammunition inventory in 2024: \$821**

a) Description, quantity, capabilities, and purchase cost

- 1) Pepper-Ball FTC CARBINE, cost: \$590, quantity 4. The FTC is a high-capacity, semi-automatic launcher that is reliable and accurate; it features a hopper that can hold up to 180 rounds and a flexible air source configuration. Pepper-Ball® is the most versatile non-lethal system available, allowing officers to deploy it in a wide range of situations. Pepper-Ball's many uses include:
  - i. Anti-riot
  - ii. Combative suspects
  - iii. Vehicle interdiction
  - iv. Non-compliant individuals
- 2) Pepper-Ball LIVE-X PROJECTILE, cost: \$3 per projectile. The Live Projectile contains a concentrated amount of PAVA pepper powder. Discharged from a Pepper-Ball Launcher, the projectile has a velocity of 280-350 FPS. The projectile has a direct impact of 60ft and an area of saturation of 150+ ft. The projectile contains 5% PAVA Powder.
- 3) Pepper-Ball Glass Breaker cost \$2.50 per Projectile, Quantity 60. A solid polymer projectile used for breaking out residential windows and side-glass of automobiles. Not for use on humans or animals.



# ARROYO GRANDE POLICE DEPARTMENT

## 2024 MILITARY EQUIPMENT INVENTORY



- 4) Pepper-Ball INERT round. Cost: \$1 per projectile. Containing a harmless, scented powder, this projectile is best suited for training, qualifications, and direct impact when chemical exposure is not desired.

b) Purpose

To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of the less lethal weapon systems may include but, are not limited to:

- 1) Self-destructive, dangerous and/or combative individuals.
- 2) Riot/crowd control and civil unrest incidents.
- 3) Circumstances where a tactical advantage can be obtained.
- 4) Potentially vicious animals.
- 5) Training exercises or approved demonstrations.

c) Authorized Use

Only those officers who have been trained in the use of Pepper-Ball launchers are authorized to use the Pepper-Ball launchers.

d) Training

Sworn members utilizing Pepper-Ball launchers and projectiles are trained in their use by Pepper-Ball certified less lethal and chemical agent instructors.

e) Lifespan

- 1) Pepper-Ball FTC Carbine- 20 years
- 2) Pepper-Ball Live-X Projectile- 3 years
- 3) Pepper-Ball Glass Breaker- 20 years
- 4) Pepper-Ball INERT Projectile- 3 years

f) Fiscal impact

Annual maintenance is approximately \$25 for each Pepper-Ball launcher.

g) Legal and Procedural Rules

Use is established under AGPD policy 308.6.1. It is the policy of the AGPD to utilize Pepper-Ball only for official law enforcement purposes and pursuant to State and Federal law, including those regarding the use of force.

### MAINTENANCE OF MILITARY USE SUPPLY LEVELS

When munitions stock for "military equipment" has reached significantly low levels or has been exhausted, the Department may order replacement stock based upon the current approved city operational budget in a calendar year without city council approval to maintain essential availability for the Department's needs. The purchase of this would be included in the annual report.