

**Alameda Police Department 2025 Military Equipment Annual Report**

Inventory of Military Equipment (as of January 21, 2026)

<i>Item</i>	<i>Quantity</i>
<b>Crewless, Remotely Piloted, Powered Ground Vehicle and Aerial Systems</b>	
Ground Vehicle	
Robot	1
Battery	2
Charger	2
Hinge Attachment	1
Manipulator Arm	1
Remote Controller	1
Trailer	1
Aerial System	
Uncrewed Aerial System	2
Battery	6
Battery Charger	2
Infrared Camera	2
Remote Controller	2
Remote Controller Charger	2
Speaker/Microphone	0
Spotlight	2
<b>Armored Personnel Carrier, Vehicle with Entry Apparatus</b>	
Emergency Response Vehicle	1
<b>Specialized Firearms and Ammunition</b>	
Semi-Automatic Rifle	80
Bolt Action Rifle	2
.223 caliber Ammunition	7,088
.308 caliber Ammunition	1,500
<b>Noise-Flash Diversionary Devices</b>	
SAF-Smoke White Grenade (handheld)	2
Large SAF-Smoke White Grenade (handheld)	19
Training Grenade (handheld)	8
Diversionary Device (projectile)	20

<i>Item</i>	<i>Quantity</i>
<b>Munition Containing Tear Gas</b>	
Aerosol OC-V (handheld)	14
Aerosol OC/CS (handheld)	4
Pocket Tactical CS (handheld)	9
Riot Control CS (handheld)	41
Riot Control OC (handheld)	10
40mm Barricade OC/Powder (projectile)	13
40mm Ferret CS/Powder (projectile)	14
40mm Ferret CS/Liquid (projectile)	33
40mm Ferret OC/Powder (projectile)	20
40mm Ferret OC/Liquid (projectile)	38
40mm Muzzle Blast CS (projectile)	43
40mm Muzzle Blast OC (projectile)	25
<b>Kinetic Energy Weapons and Munitions</b>	
FN 303 Launcher	6
FN 303 Munition	1,500
Defense Technology 40mm Multi-Shot Launcher	1
Defense Technology 40mm Single-Shot Launcher	3
40mm Direct Impact Marking Round	65
Remington Model 870 Shotgun	6
Ballistic Fiber Bag	45

Description of Equipment and Maintenance Costs

Crewless, Remotely Piloted, Powered Ground Vehicle and Aerial Systems:

- *Description:*
  - o The Robotex Avatar robot is a remote-controlled, crewless machine that operates on the ground. The robot has stair climbing ability and an arm capable of lifting 65 pounds. The robot features multiple communication options and a chassis that allows for accessories and tool combinations.
  - o The Axon Air Skydio X10 is a remote-controlled, crewless drone that can operate in the air. The drone has an array of attachment options, which greatly enhance mission capabilities. The spotlight payload and the thermal camera give unparalleled situational awareness to the person performing the inspection, both for the safety of flight and the capture of high-quality actionable data to make real-time decisions.
- *Purpose:*
  - o The robot is used to remotely gain visual/audio data, deliver portable phones, open doors, move suspicious packages, and search buildings. The device improves scene intelligence, allowing officers to monitor dangerous areas from a safe place.
  - o The drone is to assist our law enforcement personnel by providing real-time visual intelligence from an aerial perspective. Uncrewed Aerial Systems (UAS) technology will assist in mitigating the use of force, bringing resolution to critical incidents, enhancing public safety, and mitigating overall risk.

- *Authorized Use:*
  - The robot is only used in incidents where officers have the legal authority to search. The use requires approval from the Watch Commander.
  - The drone is only used in incidents for:
    - Public safety and life preservation missions, including barricaded suspects, hostage situations, active shooters, apprehension of armed and dangerous fleeing suspects, and high-risk search warrants,
    - All felony crimes that present a risk to public safety or the safety of officers,
    - Violent misdemeanors,
    - Operational planning (search/arrest warrant service),
    - Sideshow activity, as defined in Vehicle Code Section 23109,
    - Riots,
    - Mass casualty events,
    - Lost or missing persons,
    - Rescue events,
    - Disaster response and recovery,
    - Suspected explosive devices,
    - Fire suppression or investigation,
    - Hazardous material releases,
    - Post-incident crime scene preservation and documentation,
    - Pursuant to a search warrant,
    - Special events where there is intelligence that there is risk to public safety,
    - When there is probable cause to believe that the UAS will record images of a place, thing, condition, or event and that those images tend to show a felony has been committed or tends to show that a particular person has committed a felony,
    - Anti-UAV operations when a person is operating a UAV in a manner that impedes emergency personnel who, in the course of their duties, are coping with an emergency (refer to Penal Code § 402(a)1),
    - Training missions.
    - In support of the Alameda Fire Department when the underlying mission meets the uses outlined in the policy,
    - Mutual Aid support when the underlying mission meets the uses outlined in the policy, or
    - Exigent circumstances, only with supervisory and/or command approval.
- *Lifespan:*
  - Robot: 10+ years.
  - Drone: Until no longer serviceable.
- *Fiscal Impact:*
  - The robot was purchased in 2013 for \$25,000 using grant funds. The annual cost varies depending on the serviceability of the battery.
  - The Drone package was purchased in 2024 for \$124,562.74 using the general fund. The annual cost of licenses is \$4,810.32.
- *Training:*
  - Robot: Operators must complete the Basic SWAT Operator Course.

- Drone: Operators must complete Skydio's training course, an in-person live flight training, and demonstration of foundational knowledge about the Skydio aircraft, preflight, launch, flight skills, landing, postflight, maintenance, and troubleshooting.
- *Legal and Policy Rules:*
  - Robot: Use is established under Policy 408. The robot is to be used for official law enforcement purposes in accordance with state and federal laws.
  - Drone: Use is established under Policy 710. The drone is to be used for official law enforcement purposes in accordance with state and federal laws.

Armored Personnel Carrier, Vehicle with Entry Apparatus Attached:

- *Description:* The Ballistic Armored Tactical Transport Emergency Response Vehicle (ERV) is built on a 2012 Ford F-550 chassis. The ERV provides ballistic protection by withstanding bullet strikes from small arms fire. The ERV is equipped with emergency lights, siren, and a public address system.
- *Purpose:* The ERV is used during critical incidents to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical incidents. The main uses are resident and officer rescues, evacuations, and the deployment of officers and approved equipment. The ERV can be used as a de-escalation apparatus that allows close and safe contact with armed persons. The vehicle has a detachable breaching apparatus, which can be affixed to the front bumper. The apparatus can assist in entry where handheld tools are inadequate or ineffective against barricaded individuals.
- *Authorized Use:* The use of the ERV requires approval from the Watch Commander. Approval is granted only under specific circumstances.
- *Lifespan:* 25 years
- *Fiscal Impact:* The ERV was purchased using the general fund in 2013 for \$158,520.94. The annual maintenance costs vary. In 2024, the cost of an emissions test and service maintenance was \$526.14.
- *Training:* All officers are required to undergo training every other year in emergency vehicle operations per POST regulations.
- *Legal and Policy Rules:* Use is established under Policy 409. The ERV is to be used for official law enforcement purposes in accordance with state and federal laws.

Specialized Firearms and Ammunition:

- *Description:*
  - (73) Colt AR-15 semi-automatic rifles are capable of accurately stopping an armed person at various distances. The rifle is outfitted with lighting devices to improve safety and electronic sighting devices to enhance accuracy. The rifle is chambered with .223 caliber ammunition.
  - (2) Bushmaster AR-15 semi-automatic rifles are similar to the Colt AR-15 rifles but come with shorter barrels. The shorter barrel allows SWAT tactical team members to increase their maneuverability during SWAT operations. The rifle is chambered with .223 caliber ammunition.

- (2) ArmaLite 10 semi-automatic rifles are similar to the Colt rifles but have greater stopping power for use in an overwatch capacity. The rifle is chambered with .308 caliber ammunition.
- (2) Sig Sauer SSG 3000 bolt action rifles allow for the acquisition of targets at greater distances.
- (1) Rock River LAR-15 semi-automatic rifles are used only for training. The rifle is chambered in 9mm ammunition.
- (2) Colt AR-15 semi-automatic rifles are used only for training. The rifles are chambered in 9mm ammunition.
- .223 caliber ammunition is used for the Colt and Bushmaster rifles.
- .308 caliber ammunition is used for the ArmaLite and Sig Sauer rifles.
- *Purpose:* All weapons are used to stop a threat with more accuracy and at greater distances than a handgun. They are also used to stop threats posed by people wearing body armor who engage in violence.
- *Authorized Use:*
  - Colt AR-15 rifles can be deployed in any circumstance where an officer can articulate a reasonable expectation that the rifle may be needed. Examples of guidelines for deploying rifles include:
    - Situations where the member reasonably anticipates an armed encounter,
    - When a member is faced with a situation that may require accurate and effective fire at long range,
    - Situations where a member reasonably expects the need to meet or exceed the suspect's firepower,
    - When a member reasonably believes that there may be a need to fire on a barricaded person or a person with a hostage,
    - When a member reasonably believes that a suspect may be wearing body armor,
    - When authorized or requested by a supervisor, or
    - When needed to euthanize an animal.
  - Bushmaster AR-15 rifles can be deployed only by members of the tactical team when the officer can articulate a reasonable expectation that the rifle may be needed.
  - ArmaLite 10 rifles can be deployed only by members of the tactical team. They can be used to protect the community and officers during large events and in tactical situations where it might be necessary to incapacitate vehicles intentionally being used as weapons are outfitted with scoped optics designed for precision.
- *Lifespan:* Until no longer serviceable.
- *Fiscal Impact:*
  - Colt semi-automatic rifles were first purchased in 2002 using the general fund. The approximate cost was \$1,200 per rifle. An additional purchase was made in 2023 using the general fund. The approximate cost was \$1,118 per rifle. The annual cost varies depending on serviceability of the equipment.
  - Bushmaster semi-automatic rifles were purchased in 2010 using the general fund. The annual cost varies depending on serviceability of the equipment.

- One ArmaLite semi-automatic rifle was purchased in 2009, and another was purchased in 2012. Both purchases were made using the general fund. The approximate cost was \$1,844.38 per rifle. The annual cost varies depending on serviceability of the equipment.
- Sig Sauer bolt action rifles were purchased in 2014 using the general fund. The approximate cost was \$1,362.50 per rifle. The annual cost varies depending on serviceability of the equipment.
- .223 caliber ammunition was first purchased in 2002 using the general fund. The department has made additional purchases using the general fund to maintain 60,000 rounds of ammunition. The annual cost of maintaining this supply is \$30,000.
- .308 caliber ammunition was first purchased over 20 years ago using the general fund. The department has made additional purchases using the general fund to maintain 5,000 rounds of ammunition. The annual cost of maintaining this supply is \$7,500.
- *Training:* Officers must be certified by POST instructors in the operation of the rifle and are required to complete quarterly training and pass qualifications that are administered by a certified patrol rifle instructor. The Bushmaster and Sig Sauer rifles can only be used by officers who have successfully completed the POST-approved sniper training.
- *Legal and Policy Rules:* Use is established under Policy 432. The semi-automatic rifles are to be used for official law enforcement purposes in accordance with state and federal laws.

Noise-Flash Diversionary Devices:

- *Description:* Combined Tactical Systems model 7290 flash bangs are non-bursting, non-fragmenting devices that produce a loud noise with an intense bright light. The devices produce atmospheric pressure and a brilliant white which can cause short term physiological, psychological, and sensory deprivation.
- *Purpose:* Can serve as a distraction to dangerous suspects during assaults, hostage rescues, room entries, or other high-risk situations.
- *Authorized Use:* The devices shall only be used by officers trained in their proper use in situations such as:
  - Hostage and barricaded subject situations,
  - High-risk warrant services where there may be extreme hazards to officers,
  - During other high-risk situations where their use would enhance officer safety, or
  - During training exercises.
- *Lifespan:* Unlimited.
- *Fiscal Impact:* The devices were purchased over 20 years ago using the general fund. The annual cost of maintaining a serviceable quantity is \$101.89 per munition.
- *Training:* Officers must receive diversionary device training that is conducted by POST certified instructors.

- *Legal and Policy Rules:* Use is established in the SWAT Manual. The diversionary devices are to be used for official law enforcement purposes in accordance with state and federal laws.

#### Munition Containing Tear Gas:

- *Description:*
  - Aerosol OC-V (Oleoresin Capsicum): OC is an agent that causes respiratory inflammation and involuntary closure of the eyes. OC has been endorsed by the Federal Bureau of Investigation and was deregulated in California in 1996 for civilian use and possession. OC vapor aerosol grenades deliver a high concentration of OC in a powerful mist. The device is designed for confined spaces.
  - Aerosol OC/CS: OC/CS vapor aerosol grenades deliver a combination of OC and CS at high concentrations in a powerful mist. The device is designed for confined spaces.
  - Pocket Tactical CS & Riot Control CS: CS (2-Chlorobenzylidenemalononitrile) is an irritant that involuntarily causes the tear ducts to activate. CS has been tested in the United States and is not known to cause allergic reactions. CS grenades emit CS smoke for 20 to 40 seconds through gas ports located on the top of the device.
  - 40mm Barricade OC/Powder: Barricade-penetrating projectiles contain powder OC in a frangible round. The projectile can penetrate windows, hollow core interior doors, and thin plywood. Once fragmented, the projectile emits powdered OC.
  - 40mm Ferret CS Powder: Barricade-penetrating projectiles contain powder CS in a frangible round. The projectile can penetrate windows, hollow core interior doors, and thin plywood. Once fragmented, the projectile emits powdered OC.
  - 40mm Ferret CS/Liquid: Barricade-penetrating projectiles contain liquid CS in a frangible round. The projectile can penetrate windows, hollow core interior doors, and thin plywood. Once fragmented, the projectile emits liquid CS.
  - 40mm Ferret OC Powder: Barricade-penetrating projectiles contain powder OC in a frangible round. The projectile can penetrate windows, hollow core interior doors, and thin plywood. Once fragmented, the projectile emits powder OC.
  - 40mm Ferret OC Liquid: Barricade-penetrating projectiles contain liquid OC in a frangible round. The projectile can penetrate windows, hollow core interior doors, and thin plywood. Once fragmented, the projectile emits liquid OC.
  - 40mm Muzzle Blast CS: Powder dispersion rounds propel powdered CS at short ranges to not exceed 30 feet.
  - 40mm Muzzle Blast OC: Powder dispersion rounds propel powdered OC at short ranges to not exceed 30 feet.
- *Purpose:* Munitions are used as a non-lethal tool to limit the escalation of conflict where the use of lethal force is prohibited or unreasonable.
- *Authorized Use:* Munitions containing tear gas can be used when addressing the following situations:
  - Dangers and/or combative individuals,
  - Barricaded and wanted suspects,

- Riot control,
- Circumstances where a tactical advantage can be achieved,
- Potentially vicious animals, or
- Training exercises or approved demonstrations.
- *Lifespan:*
  - Aerosol OC-V: Five years
  - Aerosol OC/CS: Five years
  - Pocket Tactical CS: Five years
  - Riot Control CS: Five years
  - 40mm Barricade OC/Powder: Five years
  - 40mm Ferret CS Powder: Five years
  - 40mm Ferret CS/Liquid: Five years
  - 40mm Ferret OC Powder: Five years
  - 40mm Ferret OC Liquid: Six years
  - 40mm Muzzle Blast CS: Five years
  - 40mm Muzzle Blast OC: Five years
- *Fiscal Impact:* Alameda Police Department first acquired the above-listed munitions containing tear gas over 20 years ago. The annual cost of maintaining a serviceable quantity is \$25 per projectile.
- *Training:* Officers must receive POST-certified training from certified less-lethal and chemical agent instructors or manufacturer-specific training in the use of chemical agents.
- *Legal and Policy Rules:* Use is established under the SWAT manual. Policy 421 (Civil Disturbances), Policy 308 (Control Techniques and Devices), Policy 709 (Military Equipment), Policy 300 (Use of Force) and Government Code Section 7286(a). The munitions are to be used for official law enforcement purposes in accordance with state and federal laws.

#### Kinetic Energy Weapons and Munitions:

- *Description:*
  - Fabrique Nationale de Herstal (FN) 303 Launchers use high-pressure air to deliver kinetic projectiles with paint-marking ability. The system can launch projectiles up to 60 feet.
  - Kinetic impact rounds are .68 caliber, 8.5 gram projectiles with non-toxic bismuth and an indelible paint plastic compartment.
  - Defense Technology 40mm single-shot launchers fire 40mm less-lethal impact ammunition. The device uses smokeless powder to deliver projectiles up to 40 yards.
  - Defense Technology 40mm multi-shot launchers fire 40mm less-lethal impact ammunition. The device uses smokeless powder to deliver projectiles up to 40 yards.
  - 40mm Direct Impact Marking rounds are crushable foam projectiles that can mark their target.
  - Remington 870 shotguns deploy a 12-gauge less-lethal ballistic fiber bag up to 75 feet.

- Ballistic fiber bags contain 40 grams of number 9 lead shot. The projectile travels at a velocity of 270 to 290 feet per second.
- *Purpose:*
  - FN 303 device: A less-lethal option to deliver kinetic energy impacts at subjects during violent encounters. The device can also be used as a de-escalation tool to avoid injuries or lethal options.
  - FN 303 kinetic impact rounds: Projectiles that can serve as a distraction and momentary pain and can mark specific individuals for identification and later arrest.
  - Defense Technology 40mm single-shot launcher: A less-lethal option to deliver kinetic energy impacts at subjects during violent encounters. The device can also be used as a de-escalation tool to avoid injuries or lethal options.
  - Defense Technology 40mm multi-shot launcher: A less-lethal option to deliver kinetic energy impacts at subjects during violent encounters. The device can also be used as a de-escalation tool to avoid injuries or lethal options.
  - 40mm Direct Impact Marking rounds are projectiles that can serve as a distraction and cause momentary pain and can mark specific individuals for identification and later arrest.
  - Remington 870 shotguns serve as a less-lethal distance impact weapon that can serve as a distraction and cause momentary pain to violent subjects.
  - Ballistic fiber bags are projectiles that can serve as a distraction and cause momentary pain to violent subjects.
- *Authorized Use:* Kinetic energy weapons and munitions can be used when addressing the following situations:
  - The suspect is armed with a weapon, and the tactical circumstances allow for the safe application of approved munitions,
  - The suspect has made credible threats to harm themselves or others,
  - The suspect is engaged in riotous behavior or is throwing rocks, bottles, or other dangerous projectiles at people and/or officers, or
  - There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.
- *Lifespan:*
  - FN 303 launcher: Until no longer serviceable
  - FN 303 projectile: Five years
  - 40mm single-shot launcher: Until no longer serviceable
  - 40mm multi-shot launcher: Until no longer serviceable
  - 40mm Direct Impact Marking round: Five years
  - Remington 870 shotgun: Until no longer serviceable
  - Fiber bag: Five years
- *Fiscal Impact:*
  - FN 303 launchers were purchased in 2018 using the general fund. The approximate cost was \$1,300 per launcher. The annual cost varies depending on serviceability of the equipment.
  - FN 303 projectiles were purchased in 2019 to replenish expired inventory. The annual cost of maintaining a serviceable quantity is \$650.

- 40mm single-shot launchers were purchased over 20 years ago using the general fund. The approximate cost was \$1000 per launcher. The estimated annual cost varies depending on serviceability of the equipment.
- 40mm multi-shot launcher was purchased in 2012 using the general fund. The approximate cost was \$1,300. The estimated annual cost varies depending on serviceability of the equipment.
- 40mm Direct Impact Marking rounds were originally purchased in 2015 using the general fund. The approximate cost was \$27 per munition. The estimated annual cost of maintaining a serviceable quantity is \$31.67 per munition.
- Remington 870 shotguns were purchased over 20 years ago as standard issued shotguns. They have since been repurposed to less-lethal shotguns. The initial cost to purchase the shotguns was approximately \$500 each and they were purchased using the general fund. The estimated annual cost varies depending on serviceability of the equipment.
- Fiber bag munitions: The estimated annual cost of maintaining a serviceable quantity is \$100.
- *Training:* Officers must be trained in less-lethal kinetic munitions by POST certified instructors. Proficiency training shall be monitored and documented by a certified, control-device weapons or tactics instructor biannually.
- *Legal and Policy Rules:* Use is established under Policy 300, 308, 312.5, 312.5.1, and the SWAT Manual. The kinetic energy weapons and munitions are to be used for official law enforcement purposes in accordance with state and federal laws.