

# AB 481

Military Equipment

## Annual Report

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Santa Monica Police Department



September 2023

# AB 481 Annual Report

Assembly Bill 481 requires the police department to report annually on the inventory, procurement, use and misuse of covered military equipment items. The annual report also includes a description of new military equipment the police department seeks City Council approval for acquisition and funding.

Per AB 481, the annual report must include the following:

1. A summary of how the military equipment was used and the purpose of its use.
2. A summary of any complaints or concerns received concerning the military equipment.
3. The results of any internal audits, any information about violations of the military equipment use policy, and any actions taken in response.
4. The total annual cost for each type of military equipment, including acquisition, personnel, training, transportation, maintenance, storage, upgrade, and other ongoing costs, and from what source funds will be provided for the military equipment in the calendar year following submission of the annual military equipment report.
5. The quantity possessed for each type of military equipment.
6. If the police department intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment.

Policy 707 – Military Equipment Definitions related to this policy include (Government Code § 7070):

Governing body – The City Council.

Military equipment – Includes but is not limited to the following:

- 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 of 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.
- Any other equipment as determined by a governing body or a state agency to require additional oversight.

Military Equipment Use AB 481 Compliance Requirements:

1. Approval of the Military Use Policy (Completed 2022, Policy 707)
2. Publishing of the Policy (Completed 2022)
3. Annual Report (see below)

The following constitutes the Santa Monica Police Department's 2022 Annual Report:

Unmanned, remotely piloted, powered aerial or ground vehicles:

1. DJI Matrice 300 RTK (Quantity: 2)

Fly, hover, broadcast video, record video, photography, FLIR

Expected Lifespan: Approximately 4 years.

Manufacturer Description: "The Matrice 300 RTK is DJI's latest commercial drone platform that takes inspiration from modern aviation systems. Offering up to 55 minutes of flight time, advanced AI capabilities, 6 Directional Sensing & Positioning and more, the M300 RTK sets a whole new standard by combining intelligence with high-performance and unrivaled reliability." (<https://www.dji.com/matrice-300>)

Purpose: Provide aerial support for law enforcement operations.

Authorized Use: Only assigned operators who have completed the required training shall be permitted to operate the Unmanned Aircraft Systems (UAS).

Use of Equipment: The DJI Matrice 300 RTK was used five times (training scenarios).

Fiscal Impact: \$14,599 each.

Annual Maintenance Cost: Approximately \$1,500 each.

Training: All Department UAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must qualify at quarterly training.

Legal and Procedural Rules: Use is established under FAA Regulation 14 CFR Part 107, Certificate of Waiver or Authorization (COA), and the Santa Monica Police Department UAS policy. It is the policy of the SMPD to utilize UAS only for official law enforcement purposes, and in a manner that respects the reasonable expectation of privacy, pursuant to state and federal law.

Concerns and Complaints Received: None.

Internal Audit Results and Response: N/A

Future Acquisition Plans: As needed.

## 2. DJI Matrice 210 (Quantity: 1)

Fly, hover, broadcast video, record video, photography, FLIR

Expected Lifespan: Approximately 4 years (Device no longer in production).

Manufacturer Description: "M200 Series includes a robust Flight Autonomy system with a total of 7 sensors. Its Forward Vision System is capable of detecting obstacles up to 30 meters ahead, while the upward facing infrared sensors can sense obstacles within a 5-meter range. A downward facing vision positioning system enables precision hovering and landing."

The main difference between the M200 Series and the rest of the Matrice line of drones is its closed-shell body, which brings added portability, ease-of-use and ruggedness. Additionally, the M210 models can easily accommodate multiple payload configurations, something not previously seen on any drone." (<https://www.dji.com/matrice-200-series/info#faq>)

Purpose: Provide aerial support for law enforcement operations.

Authorized Use: Only assigned operators who have completed the required training shall be permitted to operate the UAS.

Use of Equipment: The DJI Matrice 210 was not used in 2022.

Fiscal Impact: \$15,000

Annual Maintenance Cost: \$400

Training: All Department UAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must qualify at quarterly training.

Legal and Procedural Rules: Use is established under FAA Regulation 14 CFR Part 107, Certificate of Waiver or Authorization (COA), and the Santa Monica Police Department UAS policy. It is the policy of the SMPD to utilize UAS only for official law enforcement purposes, and in a manner that respects the reasonable expectation of privacy, pursuant to state and federal law.

Concerns and Complaints Received: None.

Internal Audit Results: N/A

Future Acquisition Plans: As needed.

### 3. DJI Phantom 4 Pro (Quantity:1)

Fly, hover, broadcast video, record video, photography, FLIR

Expected Lifespan: Approximately 4 years.

Manufacturer Description: "The Phantom 4 Pro redefines the iconic Phantom series, bringing imaging and intelligence to new heights. Its uprated camera shoots 4K/60fps at a bitrate of 100Mbps and stills up to 20-megapixels, creating dramatically better images. The Flight Autonomy system adds dual rear vision sensors and two Time of Flight range imaging cameras for a total of 5 directions of obstacle sensing with a range of up to 30m in all directions. The upgraded Lightbridge HD video transmission system offers an extended maximum transmission range of 4.3mi (7km) and also enables you to switch between 2.4GHz and 5.8GHz. It can also be used with an optional integrated monitor for even more

reliable transmission. Operators are also further empowered with a new suite of ActiveTrack and TapFly functions. The aircraft's Intelligent Flight Battery also have increased capacity by 520mAh to enable an extended flight time of 30 minutes." (<https://www.dji.com/phantom-4-pro/info>)

Purpose: Provide aerial support for law enforcement operations.

Authorized Use: Only assigned operators who have completed the required training shall be permitted to operate the UAS.

Use of Equipment: The DJI Phantom Pro was used twice (training scenarios).

Fiscal Impact: \$2,000

Annual Maintenance Cost: \$500

Training: All Department UAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must qualify at quarterly training.

Legal and Procedural Rules: Use is established under FAA Regulation 14 CFR Part 107, Certificate of Waiver or Authorization (COA), and the Santa Monica Police Department UAS policy. It is the policy of the SMPD to utilize UAS only for official law enforcement purposes, and in a manner that respects the reasonable expectation of privacy, pursuant to state and federal law.

Concerns and Complaints Received: None.

Internal Audit Results and Response: N/A

Future Acquisition Plans: As needed.

#### 4. DJI Mavic 2 Enterprise (Quantity: 1)

Fly, hover, broadcast video, record video, photography, FLIR

Expected Lifespan: Approximately 4 years.

Manufacturer Description: "Designed to empower a new generation of workers, the Mavic 2 Enterprise is the ultimate expression of a tool that delivers beyond expectation to meet current workplace challenges and future demands." (<https://www.dji.com/mavic-2-enterprise?site=brandsite&from=nav>)

Purpose: Provide aerial support for law enforcement operations.

Authorized Use: Only assigned operators who have completed the required training shall be permitted to operate the UAS.

Use of Equipment: The DJI Mavic 2 Enterprise was used thirty-two times (20 live and 12 training scenarios).

Fiscal Impact: \$2995

Annual Maintenance Cost: Approximately \$500

Training: All Department UAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must qualify at quarterly training.

Legal and Procedural Rules: Use is established under FAA Regulation 14 CFR Part 107, Certificate of Waiver or Authorization (COA), and the Santa Monica Police Department UAS policy. It is the policy of the SMPD to utilize UAS only for official law enforcement purposes, and in a manner that respects the reasonable expectation of privacy, pursuant to state and federal law.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 5. Transcend Vantage Robot (Quantity: 1)

The robot design allows for two-way communication, remote viewing, and remotely deploy gas or smoke in a target area to promote de-escalation or a tactical advantage for approaching operators. It also has a payload/tow capability which can drag a skid-type stretcher for a citizen/officer rescue or transport up to a 100-pound payload. The robot's design allows it to ascend and descend stairs, climb walls to look over obstacles, or hang over ledges to look over those obstacles.

Expected Lifespan: 5 years. Dependent on operational usage and wear.

Manufacturer Description: "Transcends Vantage robot is the world's only double-patented automatic stair and obstacle climbing robot for First Responders. It's the only option for First Responders that want their robot to just figure it out on the first attempt to climb stairs, clothes and junk without the burden of tedious manual controls associated with flippers and other limb systems. This means the Vantage can be used without prior training to enter a house or building to see, hear and learn what's happening before sending officers inside." (<https://www.transcendrobotics.com>)

Purpose: Provide support for law enforcement operations.

Authorized Use: The robot is to be used exclusively by the SWAT unit.

Use of Equipment: The Transcend Vantage Robot was used fifteen times (3 live and 12 training scenarios).

Fiscal Impact: \$12,421.31

Annual Maintenance Cost: As needed dependent on use and wear.

Training: Although there is no official training required, department personnel that operate the device regularly train with the SWAT Unit.

Legal and Procedural Rules: It is the policy of the SMPD to utilize the robot for official law enforcement purposes, and in a manner that respects the reasonable expectation of privacy, pursuant to state and federal law.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 6. Transcend Mini Vantage Robot (Quantity 1)

The Mini Vantage was given to the Santa Monica Police Department by Transcend in 2021. Due to the COVID-19 pandemic, delays were caused in the manufacturing/shipment of the device. The Santa Monica Police Department is still awaiting shipment of the device.

The robot design allows for two-way communication, remote viewing to promote de-escalation or a tactical advantage for approaching operators. The robot's design allows it to ascend and descend stairs and climb over obstacles.

Expected Lifespan: 5 years. Dependent on operational usage and wear.

Manufacturer Description: "Transcends Mini Vantage robot is the world's only double-patented automatic obstacle climbing robot for First Responders. It's the only option for First Responders that want their robot to "just figure it out" on the first attempt run over clothes and junk without the burden of tedious manual controls or worrying about getting stopped by a shoe. This means the Mini Vantage can be used without prior training to enter a house or building to see and learn what's happening before sending officers inside.

This robot is perfect for SWAT operators and patrol officers that need to see what's around the next two walls before physically going there. The Mini Vantage robot comes fully loaded." (<https://www.transcendrobotics.com/transcendproduct/mini-vantage/>)

Purpose: Provide support for law enforcement operations.

Authorized Use: The robot is to be used exclusively by the SWAT unit.

Use of Equipment: The Transcend Mini Vantage Robot has not been used yet.

Fiscal Impact: No charge.

Annual Maintenance Cost: As needed dependent on use and wear.

Training: Although there is no official training required, department personnel that operate the device regularly train with the SWAT Unit.

Legal and Procedural Rules: It is the policy of the SMPD to utilize the robot for official law enforcement purposes, and in a manner that respects the reasonable expectation of privacy, pursuant to state and federal law.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

## 7. Robot X Avatar Robot (Quantity 2)

The robot design allows for two-way audio and remote viewing in a target area to promote de-escalation or a tactical advantage for approaching operators. The robot's design allows it to navigate various terrain including stairs, sand, clothing and grass.

Expected Lifespan: 5 years. Dependent on operational usage and wear.

Manufacturer Description: "The AVATAR® enhances the capabilities of SWAT and tactical response teams by allowing them to quickly and safely inspect dangerous situations, there is no longer a need to send personnel in before you've had a chance to assess the situation. The AVATAR® saves lives by keeping first responders out of harm's way, and it does so at a fraction of the price of other robots. The AVATAR® Robots are regarded by tactical teams as a standard operational tool, like a firearm, vehicle, or piece of body armor. Departments across the United States and internationally are using the AVATAR® Robots. With the AVATAR®'s market beating affordability and ease-of-use, so can you."  
(<https://robotex.com/products/avatar-tactical-robot/>)

Purpose: Provide support for law enforcement operations.

Authorized Use: The robot is to be used exclusively by the SWAT unit.

Use of Equipment: The Robot X Avatar Robot has not been used yet.

Fiscal Impact: \$32,400 – Paid for by Urban Areas Security Initiative (UASI) Grant

Annual Maintenance Cost: As needed dependent on use and wear.

Training: Although there is no official training required, department personnel that operate the device train with the SWAT Unit on a bi-weekly basis.

Legal and Procedural Rules: It is the policy of the SMPD to utilize the robot for official law enforcement purposes, and in a manner that respects the reasonable expectation of privacy, pursuant to state and federal law.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

### Armored Personnel Carriers

#### 1. 2017 Ford F550 - Lenco Bearcat (Quantity 1)

The BearCat is a large mobile armored vehicle used to conduct rescues, transport personnel and equipment, and provide security to the public.

Expected Lifespan: 10 years. Dependent on operational usage and wear.

Manufacturer Description: "The Lenco BearCat G2 is the standard tactical armored vehicle for special operations units within the US Law Enforcement community. Since the early 2000s, agencies such as LAPD, LASD SEB, NYPD ESU, Boston PD and hundreds of Federal, State and Local Law Enforcement agencies have made the BearCat G2 part of their standard operating procedure. The G2 has excellent on-road driving characteristics and maneuverability in tight urban settings. The large floor plan seats 10 - 12 fully equipped officers with a long list of tactical features only found on the Lenco BearCat line of armored SWAT vehicles for Police and Government. "

(<https://www.lencoarmor.com/model/bearcat-g2-police-government/>)

Purpose: Provides armored vehicle response to critical incidents and support for various law enforcement operations.

Authorized Use: The use of armored vehicles shall only be authorized by a watch commander or SWAT commander, based on the specific circumstances of a given critical incident. Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training.

Use of Equipment: The Lenco Bearcat has been used 5 times (1 live and 4 training scenarios).

Fiscal Impact: \$289,224

Annual Maintenance Cost: Approximately \$3,000

Training: In-house department training on proper operation.

Legal and Procedural Rules: It is the policy of the SMPD to utilize the Lenco Bearcat for official law enforcement purposes.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

### Command and Control Vehicles

#### 1. 2016 Freightliner M2 – Custom Design by LDV Custom Specialty Vehicles (Quantity)

This vehicle can be utilized for a variety of law enforcement needs to include managing a critical incident or special event, conducting DUI Checkpoints and community outreach events, a mobile sub-station for Officers to complete reports, and recently a backup dispatch center when power to the Public Safety Facility had to be turned off for building maintenance.

Expected Lifespan: 10+ years. Dependent on operational usage and wear.

Manufacturer Description: "Santa Monica Police Department chose a Freightliner M2 conventional cab chassis with three slide out rooms as the platform for their mobile command unit. It features a 350HP engine and Allison 3000 EVS automatic transmission with PTO provision. The police department chose to incorporate three flat-floor slide-out rooms to increase the interior space of their mobile command center. A large conference room is located in the front with seating for six or more with a Smart overlay that can be easily cordoned off. The access door to the unit is in front of the galley which is home to an electronics racking and cafe style check station. The mobile command center's rear features four large communication workstations. Solid surface countertops have been installed for added durability.

The exterior of the vehicle features a weatherproof exterior workstation with A heavy-duty non-locking telescoping pneumatic mast is located on the rear of the vehicle with camera system. HVAC is handled by three low-profile air conditioners and three wall-mount electric heaters. A heavy-duty fully automatic one-touch leveling system ensures

the vehicle sits level while at a scene. To provide coverage to those working outside at the exterior workstation or accessing storage compartments, an electric lateral arm awning has been installed." <https://www.ldvusa.com/truck/santa-monica-police-department-mobile-command-unit/>

Purpose: To be used based in the specific circumstances of a given critical incident, large event, natural disaster, or community events.

Authorized Use: As directed by a supervisor or other command post operator.

Use of Equipment: The Freightliner M2 has been used 10 times (4 live + community events and 6 traffic division operations).

Fiscal Impact: \$623,485

Annual Maintenance Cost: \$15,000

Training: California Class B Commercial Driver's License (CDL) to operate which all candidates must apply for through the Department of Motor Vehicles prior to being scheduled for training. Upon completion of the application, written test, and required medical exam, candidates are assigned to complete a driver training program with certified CDL Instructors at the Big Blue Bus facility. After completing their CDL instruction for a Class B CDL, Air Brakes, and Passenger endorsement, candidates are scheduled to complete their driving test with certified DMV Examiners operating a Big Blue Bus. Upon successful completion on the Big Blue Bus, Licensees then complete a vehicle specific driver's training and certification on the Mobile Command Post Vehicle as well as the deployment and operation of the onboard equipment. Refresher training on operational equipment is completed with Operators at least once a year or as needed and Operators must complete periodic test drives or deployments to maintain their active status on the Cadre. In addition to training and certification, Operators are mandated as CDL holders to submit to random drug screening tests which are generated by Human Resources on a quarterly basis.

Legal and Procedural Rules: It is the policy of the Santa Monica Police Department to use the Mobile Command Post (MCP) vehicle only for official law enforcement purposes, and in accordance with California law regarding the operation of motor vehicles.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

## Breaching apparatuses that are explosive in nature

### 1. Remington 870 Pump Action Shotgun with Royal Arms Breaching Barrel (Quantity 4)

This weapon allows for breachers to safely utilize shotgun breaching rounds in order to defeat deadbolts, locks, and hinges.

Expected Lifespan: No manufacture listed lifespan. Dependent on operation usage and wear.

Manufacturer Description: "The Royal Arms Breaching Stand off Device is purposely made to solve the need of Law Enforcement and Military to Breach Door with the ultimate speed and precision. The Breacher has large aggressive teeth in the muzzle end to bite into the door and grab hard. The Breacher CNC machined by Royal Arms from Solid Bar Stock 4140 Chromoly Steel using state of the art manufacturing techniques. We then heat treat and give it a super durable Black Nitride finish. The result is a superior product with enhanced technical capabilities. Which in turn offers Law Enforcement, Military, and discerning individuals the ultimate tactical advantage in the field for all operators and at a reasonable price. Make this you First or Last Breacher you will ever own."  
(<https://royalarms.com/shop/royal-arms-breaching-barrel-door-breacher/>)

Purpose: Used by the SWAT Unit to defeat locks, deadbolts, and hinges.

Authorized Use: Breaching shotguns are to be used exclusively by trained members of the SWAT Unit.

Use of Equipment: The Remington 870 Breaching Barrel Pump Action Shotgun has not been used yet.

Fiscal Impact: \$500k

Annual Maintenance Cost: Dependent on usage and wear.

Training: 40-hour Commission on Peace Officer Standards and Training (POST) certified breaching class in order to properly use the specialized weapon/ammunition.

Legal and Procedural Rules: It is the policy of the SMPD to utilize the breaching ammunition for official law enforcement purposes and in compliance with California Penal Code 1531.

### 2. Royal Arms 12-gauge breaching rounds (Quantity 100)

Used to defeat locks, deadbolts, and hinges.

Expected Lifespan: No manufacture listed lifespan. Dependent on operational usage.

Manufacturer Description: Ammunition is frangible and will break into a powder form upon impact with a solid object. It is designed to be fired point blank against solid objects.

<https://royalarms.com/product-category/breachingammo/>

Purpose: Used by the SWAT Unit to defeat locks, deadbolts, and hinges.

Authorized Use: Breaching ammunition are to be used exclusively by trained members of the SWAT Unit.

Use of Equipment: The Royal Arms 12-gauge breaching rounds have not been used yet.

Fiscal Impact: \$50 for 5 rounds.

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: 40-hour POST certified breaching class in order to properly use the specialized weapon/ammunition.

Legal and Procedural Rules: It is the policy of the SMPD to utilize the breaching ammunition for official law enforcement purposes and in compliance with California Penal Code 1531.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

### Flashbangs, Chemical Agents, Chemical Agent Delivery Devices, and Pepper Ball Launchers

#### 1. Combined Tactical Systems (CTS) 7290 Flash-Bang (Quantity 75)

A non-bursting, non-fragmenting multi-bang device that produces a thunderous bang with an intense bright light. Ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations.

Expected Lifespan: 5-year shelf-life.

Manufacturer Description: "7290 -The CTS 7290 is the standard for diversionary flash-bang devices. The 7290 produces an 175db and 6-8 million candela of light output. The patented design of the 7290, incorporates a porting system that eliminates movement of the body at detonation even if the top or bottom of the device should be in contact with a hard surface. In addition, internal adjustments have greatly reduced smoke output. Flash Bangs are used by special tactical units during hostage rescue and high-risk warrants. It is

an ATF-controlled Class-C explosive device that emits a bright light and thunderous noise to distract potentially dangerous individuals.”

<https://www.combinedsystems.com/product/7290-flash-bang-steel-body-priced-individually-must-order-in-quantities-of-12/>

**Purpose:** A distraction device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations. To produce atmospheric over-pressure 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.

**Authorized Use:** Flashbang devices are to be used only by the SWAT Unit.

**Use of Equipment:** The combined Tactical Systems (CTS) 7290 Flash-Bang was used five times (training scenarios).

**Fiscal Impact:** \$52 each

**Annual Maintenance Cost:** As needed to replenish rounds used for incidents and training.

**Training:** 80-hour POST approved SWAT school.

**Legal and Procedural Rules:** It is the policy of the Santa Monica Police Department to utilize flashbangs only for official law enforcement purposes, and pursuant to department policy, state and federal law.

**Concerns and Complaints Received:** None.

**Internal Audit and Response:** N/A

**Future Acquisition Plans:** As needed.

## 2. Combined Tactical Systems (CTS) 7290M Mini-Bang (Quantity 100)

A non-bursting, non-fragmenting multi-bang device that produces a thunderous bang with an intense bright light. Ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations.

**Expected Lifespan:** 5-year shelf-life.

**Manufacturer Description:** "7290M – The CTS 7290M Mini Flash-Bang is the newest generation in the evolution of the Flash-Bang. Our Model 7290M Flash-Bang exhibits all of the same attributes of its larger counterpart but in a smaller and lighter package. Weighing in at just 15 ounces the new 7290M is approximately 30% lighter than the 7290 but still has the same 175db output of the 7290 and produces 6-8 million candela of light. The patented design of the 7290M, incorporates a porting system that eliminates movement of the body at detonation even if the top or bottom of the device should be in contact with a hard

surface. In addition, internal adjustments have greatly reduced smoke output.”

<https://www.combinedsystems.com/product/7290m-mini-bang-steel-body-priced-individually-must-order-in-quantities-of-12/>

**Purpose:** A distraction device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations. To produce atmospheric over-pressure 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.

**Authorized Use:** Flashbang devices are to be used only by the SWAT Unit.

**Use of Equipment:** The Combined Tactical Systems (CTS) 7290M Mini-Bang was used five times (training scenarios).

**Fiscal Impact:** \$38 each.

**Annual Maintenance Cost:** As needed to replenish rounds used for incidents and training.

**Training:** 80 hour POST approved SWAT school.

**Legal and Procedural Rules:** It is the policy of the Santa Monica Police Department to utilize flashbangs only for official law enforcement purposes, and pursuant to department policy, state and federal law.

**Concerns and Complaints Received:** None.

**Internal Audit and Response:** N/A

**Future Acquisition Plans:** As needed.

### 3. Combined Tactical Systems (CTS) 9230 CS Sting-Ball Grenade (Quantity 150)

Designed to emit loud noise, bright light, and rubber projectiles.

**Expected Lifespan:** 5-year shelf-life.

**Manufacturer Description:** "9230 – The 9230 CS Jet-Lite Rubber Ball Grenade is one of the smaller diameter burning grenades that discharges a high volume of chemical agents through multiple emission ports. Specifically for outdoor use and should not be deployed from rooftops, in crawl spaces or indoors due to fire producing capability. Can be hand thrown or launched." <https://www.combinedsystems.com/product/9230-cs-jet-lite-rubber-ball-grenade-pyro/>

**Purpose:** Sting-Ball grenade can be used in high-risk tactical operations when confronting potentially armed, knowingly armed, or violent suspects. They can also be used during high-risk warrants, hostage rescue incidents, and in limited instances during mobile field

force incidents to provide an added degree of officer safety when being confronted by violent and/or armed subjects.

Authorized Use: Sting-Ball grenades are primarily used by the SWAT Unit and Mobile Field Force (MFF) but can also be used by department trained and qualified members at the direction of a supervisor.

Use of Equipment: The Combined Tactical Systems (CTS) 9230 CS Sting-Ball Grenade hasn't been used yet.

Fiscal Impact: \$51 each.

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sting-Ball grenades shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 4. Sage HTM66/3PCS CS and Smoke (hand-toss munitions) – Quantity 48

Designed for to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. Can be hand-thrown.

Expected Lifespan: 5-year shelf-life.

Manufacturer Description: "The SAGE 66MM Tri-Canister is a separating continuous discharge pyrotechnic munition available in white screening smoke or in CS irritant smoke. It consists of three separate canisters pressed together with internal separating charges. Upon deployment the canisters separate and land roughly 25 feet apart allowing for a greater area of coverage. This munition can be hand thrown or launched from a fired delivery system. Average burn times range between 20-30 seconds."

<http://www.sageinternationaltd.com/SCOI/HTM66-3P.html>

Purpose: To safely resolve critical situations such as violent civil unrest and high-risk tactical operations.

Authorized Use: Sage CS and Smoke canisters are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF), but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage HTM66/3PCS CS and Smoke (hand-toss munitions) hasn't been used yet.

Fiscal Impact: \$25-\$50 each

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage CS and smoke shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

## 5. Defense Technology Chemical Agent (CS) Canisters (Quantity 32)

Han-Ball, Triple Chaser, Spede-Heat, Riot Control, Pocket Tactical, Instantaneous Blast, Tri-Chamber

Capabilities: Designed for to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. Can be hand-thrown.

Expected Lifespan: 5-year shelf-life.

Manufacturer Description: The Han-Ball™ CS Grenade is an outdoor use grenade expelling its payload in approximately 15-20 seconds. The rubber ball round has an overall size of 4.8 in. tall, including the fuze head, and 3.1 in. diameter. This launchable grenade holds approximately 1.6 oz. of active agent which is expelled through three ports around the equator of the ball. Due the intense heat generated by this grenade, it should not be used inside a building or near flammable material.<https://www.defense-technology.com/product/han-ball-grenade-cs/>

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 grenade can be hand thrown or launched from a fired delivery system. The grenade is

6.5 in. by 2.7 in. and holds an approximately 3.2 oz. of active agent payload. It has an approximate burn time of 20-30 seconds. <https://www.defense-technology.com/product/triple-chaser-separating-canister-cs/>

The Spede-Heat™ CS Grenade is a high volume, continuous burn it 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. This launchable grenade is 6.12 in. by 2.62 in. and holds approximately 2.9 oz. of active agent. <https://www.defense-technology.com/product/spede-heat-continuous-discharge-chemical-grenade-cs/>

The Riot Control CS Grenade is designed specifically for outdoor use in crowd control situations with a high-volume continuous burn that expels its payload in approximately 20-40 seconds through four gas ports located on the top of the canister. This grenade can be used to conceal tactical movement or to route a crowd. The volume of smoke and agent is vast and obtrusive. This launchable grenade is 6.0 in. by 2.35 in. and holds approximately 2.7 oz. of active agent. <https://www.defense-technology.com/product/riot-control-continuous-discharge-grenade-cs/>

The Pocket Tactical CS Grenade is small, and lightweight. The 0.9 oz. of active agent will burn approximately 20-40 seconds. At 4.75 in. by 1.4 inches in size, it easily fits in most tactical pouches. This is a launchable grenade; however, it is normally used as a signaling or covering device. Though this device is slightly over four inches in length, it produces a smoke cloud so fast it appears to be an enveloping screen produced by a full-size tactical grenade. <https://www.defense-technology.com/product/pocket-tactical-grenade-cs/>

The Instantaneous Blast CS Grenade is designed for indoor or outdoor use; this grenade's powder is expelled upon initiation of a small internal detonator that has sufficient force to split the canister at six machined grooves on the outside surface. this device is well suited for affecting numerous subjects grouped within a contained portion of a prison yard or area, using wind to the advantage. This 6.12 in. by 2.62 in. grenade will deliver approximately 1.5 oz. of active agent. <https://www.defense-technology.com/product/instantaneous-blast-cs-grenade/>

The design of the Tri-Chamber Flameless CS Grenade allows the contents to burn within an internal can and disperse the agent safely with reduced risk of fire. The grenade is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. This grenade will deliver approximately .70 oz. of agent during its 20-25 seconds burn time. The Tri-Chamber Flameless Grenade can be used in crowd control as well as tactical deployment situations by Law Enforcement and Corrections but was designed with the barricade situation in mind. Its applications in tactical situations are primarily to detect and/or dislodge barricaded subjects. The purpose of the Tri-Chamber Flameless Grenade is to minimize the risks to all parties through pain compliance, temporary

discomfort, and/or incapacitation of potentially violent or dangerous subjects. The Tri-Chamber Flameless Grenade provides the option of delivering a pyrotechnic chemical device indoors, maximizing the chemicals' effectiveness via heat and vaporization, while minimizing or negating the chance of fire to the structure. The Tri-Chamber Flameless Grenade is NOT to be launched utilizing a launching cup. <https://www.defense-technology.com/product/flameless-tri-chamber-cs-grenade/>

Purpose: To safely resolve critical situations such as violent civil unrest and high-risk tactical operations.

Authorized Use: Defense Technology CS canisters are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Defense Technology Chemical Agent (CS) Canisters haven't been used yet.

Fiscal Impact: \$25-\$50 each.

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Defense Technology CS canisters shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

6. PepperBall VKS, FTC, TAC-700 Launchers and PepperBall Projectiles (Quantity 7 VKS 2 FTC

5 TAC-700 (No longer in production or serviceable) 2000 rounds of PepperBall projectiles)

Capabilities: Pepper ball launchers give officers the ability to address an armed and/or violent suspect(s) with a non-lethal munition that delivers both chemical agent and kinetic energy impact. This combination can be extremely effective in gaining compliance or reducing threat potential with an armed and/or violent suspect(s). Due to its design, pepper balls can be delivered from a larger standoff distance allowing for an added degree of officer safety. Its high round capability and accuracy allow for its use in a wide variety of operational environments.

Expected Lifespan: PepperBall launcher - No manufacture listed lifespan. Dependent on operational usage and wear. PepperBall projectiles - Shelf life of 3 years.

Manufacturer Description: "PepperBall launchers are designed for minimum time between launches and quick reload speed, so whether in a crowd control scenario, tactical or even Mobile Field Force situation, the PepperBall system offers flexibility, safety and security, all within one platform. Launchers range from a compact lightweight hand-held style that fits on a standard duty belt to a longer barreled shoulder-mounted launcher with greater range and projectile capacity. Each launcher is air powered, with either carbon dioxide (CO2), nitrogen, or compressed air powering the launch of projectiles. PepperBall launchers are not classified as firearms."

"The heart of the PepperBall system is the patented PepperBall projectile, a hard plastic frangible sphere that is designed to burst upon impact. The gold standard in the industry, PepperBall projectiles are more accurate, more consistent and disperse a larger cloud than competitive offerings. Over a dozen types of projectiles are available with multiple payload options, PAVA concentrations and manufacturing processes."  
<https://pepperball.com/>

Purpose: De-escalation tool to safely resolve critical situations and not likely to inflict serious injury.

Authorized Use: PepperBall launchers and PepperBall projectiles are to only be used by department trained personnel at the direction of a supervisor.

Use of Equipment: Six-hundred PepperBall VKS, FTC, TAC-700 Launchers and PepperBall Projectiles were used in training scenarios (AOT).

Fiscal Impact: VKS - \$1,300 each. FTC - \$600 each. TAC-700 - \$250 each. PepperBall projectiles - \$360 for every 90 rounds.

Annual Maintenance Cost: Based on usage and wear, and as needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: PepperBall launchers and projectiles shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

## Projectile Launch Platforms and their associated munitions

### 1. AMTEC Single Tube 40mm NATO Launcher (Quantity 4)

Capabilities: 40mm launchers can deliver 40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

Expected Lifespan: Lifespan varies on operational usage and wear.

Manufacturer Description: Produced by Lewis Machine & Tool, the 37LMTS and 40LMTS are the lightest weight single shot tactical launchers produced. The launchers feature an expandable Gen2 Stock and an adjustable Integrated Front Grip (IFG) with light rail, for added mission adaptability, and an improvement on previous models. Both systems also feature an ambidextrous Lateral Sling Mount (LSM), allowing for a single or two point sling attachment. The Picatinny rail mounting systems accept a wide variety of enhanced optics/sighting systems. The 40LMTS will fire standard less-lethal ammunition up to 4.8 inches in cartridge length, and most low and medium velocity 40mm ammunition.

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: AMTECT 40mm launchers are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The AMTEC Single Tube 40mm NATO Launcher hasn't been used yet.

Fiscal Impact: \$900 each

Annual Maintenance Cost: As needed based on operation usage and wear.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control. Continual annual department training.

Legal and Procedural Rules: AMTEC 40mm launchers shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

2. Sage Deuce 37mm and 40mm NATO Launcher (Quantity 37 (30 – 37mm and 7 – 40mm))

\*It should be noted that 5 of the 40mm launchers are awaiting shipment to the Santa Monica Police Department. These 5 devices were purchased prior to January 1, 2022.

Capabilities: 37mm/40mm launchers can deliver 37mm/40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

Expected Lifespan: Lifespan varies on operational usage and wear.

Manufacturer Description: None -

<http://www.sageinternationaltd.com/SCOI/DeuceSTD40.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage 37mm and 40mm can be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage Deuce 37mm and 40mm NATO Launcher hasn't been used yet.

Fiscal Impact: \$1,600 each

Annual Maintenance Cost: As needed based on operation usage and wear.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage 37mm/40mm launchers shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

3. Sage KO1 Impact Baton (Quantity 500)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be

used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO1 is a direct fire modular impact baton round that is designed to be used in situations where kinetic energy is preferred for the incapacitation of hostile and/or non-compliant individuals. Available in either standard energy or less-energy variations. The KO1 is reloadable and is available with smokeless or black powder blended propelling charges to provide law enforcement with affordable realistic training capabilities." <http://www.sageinternational.com/SCO1/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO1 can be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage KO1 Impact Baton hasn't been used yet.

Fiscal Impact: \$25-\$50 each

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO1 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 4. Sage KO2 CS Smoke (Quantity 60)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO2 is a pyrotechnic irritant smoke munition primarily used for crowd management situations. It is designed to be used to deny specific outdoor area occupation and to relocate or move unruly crowds. In a single source configuration, the KO2 is offered in short and long range variations. A mid-range variation is available only in the three-piece configuration. Also available in practice smoke. Average burn times range between 20-30 seconds." <http://www.sageinternationalld.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO2 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage KO2 CS Smoke hasn't been used yet.

Fiscal Impact: \$25-\$50 each

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO2 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 5. Sage KO3 Crush Nose Baton (Quantity 41)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO3 is a direct fire crush nose chemical impact baton round that is designed to be used in situations where a combination of kinetic energy and chemical agents is preferred for the incapacitation of hostile and/or non-compliant

individuals. Upon impact the KO3 projectile imparts blunt trauma and additionally releases a micro-pulverized CS or OC powder payload as the baton nose is crushed.”

<http://www.sageinternational.com/SCOI/ammunition.html>

**Purpose:** Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

**Authorized Use:** Sage KO3 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

**Use of Equipment:** The Sage K03 Crush Nose Baton hasn't been used yet.

**Fiscal Impact:** \$25-\$50 each

**Annual Maintenance Cost:** As needed to replenish rounds used for incidents and training.

**Training:** POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

**Legal and Procedural Rules:** Sage KO3 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

**Concerns and Complaints Received:** None.

**Internal Audit and Response:** N/A

**Future Acquisition Plans:** As needed.

#### 6. Sage K04 Screening Smoke (Quantity 112)

**Capabilities:** 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

**Expected Lifespan:** 10+ year shelf life.

**Manufacturer Description:** "The KO4 is a pyrotechnic colored screening smoke munition primarily used for crowd management situations. It is designed to be used for screening operations or for color signaling and marking. Offered in a short, mid, and long range variations, the KO4 allows the operator the ability to accurately place screening smoke at varying distances. Additionally, the KO4 is available in a variety of colors to provide better

screening capabilities during operations. Average burn times range between 20-30 seconds." <http://www.sageinternationaltd.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO4 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage K04 Screening Smoke hasn't been used yet.

Fiscal Impact: \$25-\$50 each

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO4 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

## 7. Sage K06 Muzzle Blast (Quantity 500)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO6 is a non-pyrotechnic chemical muzzle blast munition primarily used for tactical crowd management or close quarter situations. It is designed to deny entry into sensitive areas or relocate and disperse unruly groups or hostile intruders by delivering a cloud of chemical laden powder immediately upon firing. The KO6 is offered in CS, OC, or practice powder variations. As a non-pyrotechnic munition, the KO6 can be utilized both indoors and outdoors as a chemical compliance device."

<http://www.sageinternationaltd.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO6 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage K06 Muzzle Blast hasn't been used yet.

Fiscal Impact: \$25-\$50 each

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO6 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 8. Sage K07 Multi-Area Impact (Quantity 1,500)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO7 is a multi-area impact munition that is designed to be used in situations where kinetic energy is preferred for the dispersal of hostile and/or non-compliant crowds. Available with either .60caliber or .32 caliber synthetic balls or multiple batons, the KO7 is designed to be used to dissuade intruders at medium distances from entering sensitive areas or to relocate or disperse unruly groups by skip firing or deploying the munition in extremely low trajectories towards the general target area."

<http://www.sageinternationaltd.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO7 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage K07 Multi-Area Impact hasn't been used yet.

Fiscal Impact: \$25-\$50 each

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO7 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 9. Sage K08 Soft-Tip Impact Baton (Quantity 500)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO8 is a direct fire super soft tip impact baton round that is designed to be used in situations where kinetic energy is preferred for the incapacitation of hostile and/or non-compliant individuals. Available in either standard energy or less-energy variations. The KO8 is manufactured with smokeless or black powder blended propelling charges to provide the most accuracy, stabilization and easy clean up."

<http://www.sageinternationaltd.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO8 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage K08 Soft-Tip Impact Baton hasn't been used yet.

Fiscal Impact: \$25-\$50

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO8 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 10. Sage KO42 CS Smoke (Quantity 220)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO42 is a pyrotechnic irritant smoke munition primarily used for crowd management situations. It is designed to be used to deny specific outdoor area occupation and to relocate or move unruly crowds. In a single source configuration, the KO42 is offered in short and long range variations. A mid-range variation is available only in the three-piece configuration. Also available in practice smoke. Average burn times range between 20-30 seconds."

<http://www.sageinternationaltd.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO42 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage KO42 CS Smoke hasn't been used yet.

Fiscal Impact: \$25-\$50

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO42 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

#### 11. Sage KO47 Multi-Area Impact (Quantity 225)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO47 is a multi-projectile area impact munition that is designed to be used in situations where kinetic energy is preferred for the dispersal of hostile and/or non-compliant crowds. Available with either .60 caliber or .32 caliber hard synthetic balls or multiple batons, the KO47 is designed to be used to dissuade intruders at medium distances from entering sensitive areas or to relocate or disperse unruly groups by skip firing or deploying the munition in extremely low trajectories towards the general target area." <http://www.sageinternational.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO47 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: The Sage KO47 Multi-Area Impact hasn't been used yet.

Fiscal Impact: \$25-\$50

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO47 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

## 12. Sage KO48 Soft-Tip Impact Baton (Quantity 225)

Capabilities: 37mm/40mm munitions used in conjunction with 37mm/40mm launchers may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 37/40mm munitions used in conjunction with 37/40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The KO48 cartridge fires a highly accurate direct fire soft tip impact baton projectile that is designed to be used in situations where kinetic energy is preferred for the incapacitation of hostile and/or non-compliant individuals. Available in standard, mid-range and less-energy variations. The KO48 is manufactured with smokeless propelling charges to provide the most accurate, stabilization and easy clean up." <http://www.sageinternationaltd.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage KO48 are primarily used by the SWAT Unit and Mobile Field Force Unit (MFF) but can also be used by trained and qualified department members at the direction of a supervisor.

Use of Equipment: Sage KO48 Soft-Tip Impact Baton hasn't been used yet.

Fiscal Impact: \$25-\$50

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage KO48 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

### 13. Sage BP5 Barricade Penetrating (Quantity 208)

Capabilities: The Sage BP5 Barricade Penetrating round is capable of penetrating barriers to release a powdered chemical agent, such as OC (Oleoresin Capsicum) or CS (2-chlorobenzylidene malononitrile), in the immediate area. The chemical agent is used as a less-lethal tool by acting as an irritant to the subject(s) that are exposed to it. The effect of the chemical agent typically subsides rather quickly once the subject(s) remove themselves from the area where the chemical agent has been deployed.

Expected Lifespan: 10+ year shelf life.

Manufacturer Description: "The BP5 is a non-pyrotechnic barricade penetrating munition capable of delivering micro-pulverized chemical agents through barricades from a rifled 37mm launcher. The BP5 achieves superior accuracy and penetration through a combination of barrel rifling and projectile design. The projectile is made of frangible plastic and is filled with a micro-pulverized powdered chemical agent. The BP5 is designed to penetrate windows, doors, and other barriers. The micro-pulverized powder payload is released upon impact." <http://www.sageinternational.com/SCOI/ammunition.html>

Purpose: Designed to safely resolve critical situations such as violent civil unrest and high-risk tactical operations. De-escalation tool not likely to inflict serious injury.

Authorized Use: Sage BP5 are to be used only by the SWAT Unit.

Use of Equipment: Sage BP5 Barricade Penetrating hasn't been used yet.

Fiscal Impact: \$25-\$50

Annual Maintenance Cost: As needed to replenish rounds used for incidents and training.

Training: POST approved training on legal and practical application including but not limited to crowd management, intervention, and control.

Legal and Procedural Rules: Sage BP5 shall only be used for official law enforcement purposes pursuant to department policy and state and federal law, including, but not limited to, use of force and First Amendment assemblies.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

### Night Vision Equipment

1. Night Vision Goggles – SU-250/U Submersible Monocular and AN/PVS-14 Night Vision Pocket Scope (Quantity SU-250/U – 16, AN/PVS-14 – 9).

Capabilities: Night vision goggles (NVG) is an optoelectronic device that allows images to be produced in low levels of light approaching total darkness. The use of this equipment allows a tactical advantage for officers especially when operating in low light or dark environments.

Expected Lifespan: Devices are provided to the Santa Monica Police Department from the U.S. Navy on a re-occurring one year lease.

Manufacturer Description: Unknown

Purpose: The majority of SWAT tactical operations occur at night or are conducted in low light environments. Having NVG's allows for SWAT Officers to have a tactical advantage and an added degree of officer safety when operating in those conditions. The use of NVG's is extremely advantageous during high-risk operations, hostage rescue, active shooter, and tactical operations in a wide range of environments.

Authorized Use: NVG's are authorized for use by the SWAT Unit.

Use of Equipment: The SU-250/U Submersible Monocular and AN/PVS-14 Night Vision Pocket Scope (Quantity SU-250/U – 16, AN/PVS-14 – 9) was used 10 times (training scenarios).

Fiscal Impact: \$7,500 yearly lease from the U.S. Navy.

Annual Maintenance Cost: None – Covered by lease agreement.

Training: SWAT Officers maintain proficiency by continual training and annual weapons qualifications with NVG's.

Legal and Procedural Rules: It is the policy of the Santa Monica Police Department to utilize NVG's for official law enforcement purposes and in accordance with state and federal law.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.

## 2. Thermal Weapon Sight - AN/PAS-13D (V) 3 (Quantity 2)

Capabilities: Thermal sights on weapons see heat. This has advantages in complete darkness, or in the presence of obscurants like dust, smoke, etc. because they can still pick out humans and vehicles. Using deep infrared viewers also avoids "blooms" or whiteouts if someone flashes a bright light source like a flashlight at the operator of the device. Can be mounted on a weapon or used hand-held.

Expected Lifespan: Devices are on loan to the Santa Monica Police Department from the U.S. Military through the Federal Defense Logistics Agency (DLA).

Manufacturer Description: Unknown.

Purpose: The majority of SWAT tactical operations occur at night or are conducted in low light environments. Having thermal sights allows for SWAT Officers to have a tactical advantage and an added degree of officer safety when operating in those conditions. The use of thermal sights is extremely advantageous during high-risk operations, hostage rescue, active shooter, and tactical operations in a wide range of environments.

Authorized Use: Thermal weapon sights are authorized for use by the SWAT Unit.

Use of Equipment: The Thermal Weapon Sight - AN/PAS-13D (V) 3 was used twice (training scenarios).

Fiscal Impact: No cost - On loan.

Annual Maintenance Cost: None - Covered by loan agreement .

Training: SWAT Officers maintain proficiency by continual training and annual weapons qualifications with thermal weapon sights.

Legal and Procedural Rules: It is the policy of the Santa Monica Police Department to utilize thermal weapon sights for official law enforcement purposes and in accordance with state and federal law.

Concerns and Complaints Received: None.

Internal Audit and Response: N/A

Future Acquisition Plans: As needed.