

Assembly Bill (AB) 481 Equipment Use Policy

706.1 PURPOSE AND SCOPE

This policy provides guidelines to comply with State law for the approval, acquisition, and reporting requirements of specific equipment (Government Code § 7070; Government Code § 7071; Government Code § 7072).

706.1.1 DEFINITIONS

Definitions related to this policy include (Government Code § 7070):

Governing body – The elected or appointed body that oversees the Department.

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.
- Area denial electroshock devices, microwave weapons, water cannons, long-range acoustic devices (LRADs), acoustic hailing devices, and sound cannons.
- Kinetic energy weapons and munitions.
- Any other equipment as determined by a governing body or a state agency to require additional oversight.

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706.2 POLICY

It is the policy of the Costa Mesa Police Department that members of this department comply with the provisions of Government Code § 7071.

706.3 AB 481 EQUIPMENT COORDINATOR

The Chief of Police should designate a member of this department to act as the coordinator of all equipment mandated by State law to be approved under this policy. The responsibilities of the coordinator include but are not limited to:

- (a) Acting as liaison to the governing body for matters related to the requirements of this policy.
- (b) Identifying department equipment that qualifies as AB 481 equipment in the current possession of the Department, or the equipment the Department intends to acquire that requires approval by the governing body.
- (c) Conducting an inventory of all AB 481 equipment at least annually.
- (d) Collaborating with any allied agency that may use AB 481 equipment within the jurisdiction of Costa Mesa Police Department (Government Code § 7071).
- (e) Preparing for, scheduling, and coordinating the annual community engagement meeting to include:
 1. Publicizing the details of the meeting.
 2. Preparing for public questions regarding the department's funding, acquisition, and use of equipment.
- (f) Preparing the annual AB 481 equipment report for submission to the Chief of Police and ensuring that the report is made available on the department website (Government Code § 7072).
- (g) Establishing the procedure for a person to register a complaint or concern, or how that person may submit a question about the use of a type of military equipment, and how the Department will respond.

706.4 AB 481 EQUIPMENT CONSIDERATIONS

- (a) The AB 481 equipment acquired and authorized by the Department is:
 1. Necessary because there is no reasonable alternative that can achieve the same objective of officer and civilian safety.
 2. Reasonably cost-effective compared to available alternatives that can achieve the same objective of officer and civilian safety.
- (b) AB 481 equipment shall be used by a Department employee only after applicable training, including any course required by the Commission on Peace Officer Standards and Training, has been completed unless exigent circumstances arise.

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706.5 MILITARY EQUIPMENT INVENTORY

The following constitutes a list of qualifying equipment for the Department:

[See attachment: AB 481 Inventory List 2024.pdf](#)

706.6 APPROVAL

The Chief of Police or the authorized designee shall obtain approval from the governing body by way of an ordinance adopting the AB 481 equipment policy. As part of the approval process, the Chief of Police or the authorized designee shall ensure the proposed AB 481 equipment policy is submitted to the governing body and is available on the department website at least 30 days prior to any public hearing concerning the AB 481 equipment at issue (Government Code § 7071). The AB 481 equipment policy must be approved by the governing body prior to engaging in any of the following (Government Code § 7071):

- (a) Requesting AB 481 equipment made available pursuant to 10 USC § 2576a.
- (b) Seeking funds for AB 481 equipment, including but not limited to applying for a grant, soliciting or accepting private, local, state, or federal funds, in-kind donations, or other donations or transfers.
- (c) Acquiring AB 481 equipment either permanently or temporarily, including by borrowing or leasing.
- (d) Collaborating with another law enforcement agency in the deployment or other use of AB 481 equipment within the jurisdiction of this department.
- (e) Using any new or existing AB 481 equipment for a purpose, in a manner, or by a person not previously approved by the governing body.
- (f) Soliciting or responding to a proposal for, or entering into an agreement with, any other person or entity to seek funds for, apply to receive, acquire, use, or collaborate in the use of AB 481 equipment.
- (g) Acquiring AB 481 equipment through any means not provided above.

706.7 COORDINATION WITH OTHER JURISDICTIONS

AB 481 equipment "military equipment" used by any member of this department shall be in accordance with this policy and all applicable department policies. AB 481 equipment used by other jurisdictions that are providing mutual aid to this jurisdiction shall comply with their respective policies in rendering mutual aid. Situations may arise where Costa Mesa Police Department may deploy or use equipment owned by other law enforcement agencies.

The Costa Mesa Police Department hereby adopts the AB 481 equipment use policy as is approved, and may be amended from time to time, under Government Code section 7070, et seq., for jurisdictions that the Costa Mesa Police Department may engage with to provide mutual aid. This section is in no way a limitation to the ability of the Costa Mesa Police Department to deploy or use the equipment identified in AB 481 of another jurisdiction.

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706.8 ANNUAL REPORT

Upon approval of an AB 481 equipment use policy, the Chief of Police or the authorized designee should submit an AB 481 equipment report to the governing body for each type of AB 481 equipment acquired within one year of approval, and annually thereafter for as long as the AB 481 equipment is available for use (Government Code § 7072).

The Chief of Police or the authorized designee should also make each annual AB 481 equipment report publicly available on the department website for as long as the AB 481 equipment is available for use. The report shall include all of the following information:

- (a) A summary of how the equipment was used and the purpose of its use.
- (b) A summary of any complaints or concerns received concerning the equipment.
- (c) The results of any internal audits, any information about violations of the AB 481 equipment use policy, and any actions taken in response.
- (d) The total annual cost for each type of equipment in the policy, including acquisition, personnel, training, transportation, maintenance, storage, upgrade, and other ongoing costs, and from what source funds will be provided for the AB 481 equipment in the calendar year following submission of the annual report.
- (e) The quantity possessed for each type of AB 481 equipment.
- (f) If the Department intends to acquire additional equipment mandated by the State for approval in the next year, the quantity sought for each type of equipment.

706.9 COMMUNITY ENGAGEMENT

Within 30 days of submitting and publicly releasing the annual report, the Department shall hold at least one well-publicized and conveniently located community engagement meeting, at which the Department should discuss the report and respond to public questions regarding the funding, acquisition, or use of AB 481 equipment.

706.10 COMPLAINT PROCEDURE

This procedure is to ensure compliance with the military equipment use policy. All complaints, concerns, or questions regarding this policy will be handled pursuant to the Department's normal complaint process.

Attachments

AB 481 Inventory List 2024.pdf

**706.5 AB 481 EQUIPMENT INVENTORY
VEHICLES**

- (A) **Mobile Command Vehicle (MCV):** A vehicle used during critical incidents as a field- based command post, providing Incident Commanders with access to Department computer systems and dispatch center.
1. **Description, cost, quantity, and capabilities:** 2021 Freightliner MT-55 chassis (custom built) vehicle, approximate cost: \$1.2 Million, quantity: not to exceed 1. The MCV can also be utilized for SWAT/CNT and other critical incidents, significant, preplanned events, searching for missing persons, natural disasters, and community events. The MCV has redundant and supplemental communications capabilities increasing public safety interoperability during complex incidents or those requiring supplemental communications capabilities for coordination.
 2. **Purpose:** Used for critical incidents based on the circumstances of a specific event, large event, or natural disaster to effectively and efficiently serve the community.
 3. **Authorized Use:** Only officers trained in the use and deployment of the MCV shall drive the vehicle under the direction of the Chief of Police, Field Operations Captain, Support Services Captain, SWAT Commander, Watch Commander, or their designee. Situations where the MCV may be deployed include but are not limited to critical incidents, natural disasters, special events, training, and emergencies.
 4. **Lifespan:** The MCV has an estimated lifespan of approximately 20-years; however, upgrades are required annually to maintain communications and IT systems.
 5. **Fiscal Impact:** The MCV was authorized in 2021 and purchased in 2022. Annual maintenance costs are estimated to be approximately: \$6,000. Annual communication licensing, subscriptions, and required upgrades are estimated to be approximately: \$6,000
 6. **Training:** Drivers/Operators shall receive safe handling and maneuvering training on a closed training course. Once the operator has shown competence in vehicle handling, the driver/operator will drive the vehicle with an experienced driver throughout the city.
 7. **Legal and Procedural Rules:** It is the policy of the Department to use the MCV in accordance with State and Federal law and department policy.
- (B) **Armored Rescue Vehicles (ARVs):** Commercially-produced, ballistic protected, wheeled vehicles designed for law enforcement purposes.

1. **Description, cost, quantity, and capabilities:**
 - (a) Lenco BearCat, cost approximately: \$318, 000, quantity: not to exceed 1. The Lenco BearCat is an armored rescue vehicle that provides its occupants with ballistic protection beyond ballistic shields or personal body armor. It offers greater safety to community members and officers during high-risk incidents. It is capable of seating a driver and approximately 7 passengers.
2. Purpose: Used in response to critical incidents to enhance officers and community safety, improve scene containment and stabilization, and assist in resolving critical incidents. Additionally, ARVs may be deployed as displays for community outreach events.
3. **Authorized Use:** ARV use shall be authorized by the Chief of Police, Division Commander, Watch Commander or SWAT Commander based on the specific circumstances of a given critical incident. ARVs shall only be used by personnel trained in their deployment and in a manner consistent with Department policies/procedures. Situations where the ARVs may be deployed include but are not limited to critical incidents, natural disasters, special events, training, and emergencies.
4. **Lifespan:** The ARV has an estimated lifespan of approximately 20 years.
5. **Fiscal Impact:**
 - (a) Lenco BearCat: Annual maintenance cost approximately: \$4,000
6. **Training:** All drivers/operators shall attend formalized instruction in vehicle operations, practical driving instruction, and deployment procedures.
7. **Legal and Procedural Rules:** It is the policy of the department to use the ARV in accordance with State and Federal law and department policy.

SPECIALIZED TACTICAL EQUIPMENT

(A) **Tactical Robot:** A remotely controlled, tracked, robot equipped with cameras and two-way audio communication capabilities.

1. **Description, cost, quantity, and capabilities:** IROBOT FASTPAC PACKBOT TACTICAL ROBOT, cost: on loan from US military, quantity: not to exceed 2. A remotely operated tactical robot providing officers with the ability to observe the interior of a structure without entering. This capability increases the safety of community members, officers, and suspects by providing the operator with the ability to observe and locate subjects without the risk of a face-to-face confrontation. Additionally, the remote, two- way, communication capability allows operators to de-escalate situations by negotiating the surrender of barricaded subjects.
2. **Purpose:** To be used during tactical incidents to safely search a structure without exposing officers and/or community members to the risk of a face-to-face confrontation.
3. **Authorized Use:** The tactical robot shall only be deployed by Department personnel trained in its use, and with the approval of the SWAT Commander,

Watch Commander, or their designee. Situations where the robots may be deployed include but are not limited to critical incidents, natural disasters, special events, training, and emergencies.

4. **Lifespan:** The robot's lifespan is approximately 10 years.
 5. **Fiscal Impact:** The iRobot FASTPAC Packbot was loaned to the Department in 2021. The Department paid approximately \$500 in shipping costs. Annual maintenance cost of approximately: \$200.
 6. **Training:** All operators shall receive initial training before deploying the robot in the field.
 7. **Legal and Procedural Rules:** The Department shall only use the robot pursuant to State and Federal Law and department policy.
- (B) **Unmanned Aerial System (UAS):** An unmanned aircraft and the associated equipment necessary to control it remotely.
1. **Description, cost, quantity, and capabilities:**
 - (a) DJI Mini 2-6, approximate cost: \$909 each, quantity: not to exceed 15. Utilizing DJI's OcuSync 2.0 2.4/5.8 GHz wireless transmission technology, the Mini 2 can be operated from up to 6.2 miles distance from the operator while still providing video of what the drone records. The Mini 2 can also be flown as high as 2.5 miles and withstand 19 to 24 mph winds. The DJI Mini 3 is an upgrade from the DJI Mini 2. It features a Tri-Directional Obstacle Sensing (Forward/Backward/Downward), Record Up to 4K/60fps Video and 4K/30fps HDR Video, 34-min Max Flight Time, True Vertical Shooting, FocusTrack (ActiveTrack, Spotlight, and Point of Interest). This UAS is able to fly indoors unlike other UAS systems.
 - (b) Autel EVO II 640T, approximate cost: \$5,400, quantity: not to exceed 4. The EVO II 640T features a high-resolution thermal camera, which enables the ability to capture incredible detail in dark environments, not previously possible on an aerial drone of this size. Thermal vision capabilities can be combined with the 8K/49MP visual camera for visual intelligence. 12 visual sensors provide omnidirectional obstacle avoidance.
 - (c) Autel EVO II Pro, approximate cost: \$3,300 each, quantity: not to exceed 5. The EVO II Pro features a high resolution camera with the ability to capture incredible video and photo details. Twelve visual sensors provide omnidirectional obstacle avoidance.
 - (d) LOKI MK2, approximate cost: \$6,500, quantity: not to exceed 3. LOKI is the world's first purpose-built tactical UAS. Designed and built in conjunction with several of the world's top counter-terror units, LOKI Mk2 solves virtually all of the problems associated with the tactical use of commercial UAS systems. LOKI is intended for close-quarter, indoor, and outdoor tactical scouting missions, and features a highly sensitive Night-Day + IR sensor camera giving it the ability to fly and see in complete darkness.

- (e) DJI Mavic 3T, approximate cost: \$3,889 quantity: not to exceed 4. The DJI Mavic 3T features a high-resolution thermal camera, which enables the ability to capture incredible detail in dark environments, not previously possible on an aerial drone of this size. Thermal vision capabilities can be combined with the 4K/60MP visual camera for visual intelligence. 12 visual sensors provide omnidirectional obstacle avoidance and dual tele cameras.
 - (f) DJI Avata Pro, approximate cost: \$1,428, quantity: not to exceed 2. DJI Avata Pro Immersive Flight Experience, Intuitive Motion Control, 4K/60fps 155° Super-Wide FOV Videos, Powerful Video Stabilization, Enhanced Safety with Built-in Propeller Guard, 1080p/100fps video transmission quality: the lowest latency of 30 ms, Dual 1080p Micro-OLED Screens. Great for interior flying for high-risk situations.
 - (g) DJI Matrice 300 RTK, approximate cost \$20,000, quantity: not to exceed 2. DJI Matrice 300 RTK, would be used for Drone as a First Responder (DFR). DJI Matrice has a flight time of 55 minutes, 6-directional sensing and positing, night-vision FPV camera, max horizontal speed 51 MPH, Forward/Backward/Downward FOV, operating frequency 2.4/5.8GHz, 12-mile radius. Great for day-to-day operation and able to fly in harsh environments.
 - (h) Skydio X10, approximate cost \$30,000, quantity: not to exceed 2. Skydio X10, would be used for Drone as a First Responder (DFR). Skydio X10 has a flight time of 40 minutes, max horizontal speed 45 MPH, Forward/Backward/Downward FOV, 7.5 mile radius, integrated with FLOCK safety cameras and AXON, controlled by remote or browser, and onboard AI capability. Great for day to day operation and able to fly in harsh environments.
 - (i)
2. **Purpose:** To be deployed when its capabilities would assist officers or incident commanders with the following situations, which include but are not limited to:
 - (a) Major collision investigations.
 - (b) Search for missing persons.
 - (c) Natural disaster management.
 - (d) Crime scene photography.
 - (e) SWAT, tactical, or other public safety and life preservation missions.
 - (f) In response to specific requests from local, State, or Federal fire authorities for fire response and/or prevention.
 3. **Authorized Use:** Only assigned operators who have completed the required training shall be permitted to operate any UAS during approved missions. Situations where UASs may be deployed include but are not limited to critical incidents, natural disasters, special events, training, and emergencies.
 4. **Lifespan:** All UAS equipment has an estimated lifespan of approximately 3-5 years.

5. **Fiscal Impact:** The Department is in the process of identifying a funding source for the UAS program, including an application for grant funding. The estimated annual cost of the UAS program maintenance is approximately \$10,000.
 6. **Training:** All Department UAS operators will be licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must attend ongoing monthly training.
 7. **Legal and Procedural Rules:** The Department will only deploy the UAS for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to State and Federal law and department policy.
- (C) **NIGHT VISION (NVGs):** Optical device to increase an officer's ability to see at night or in low-light conditions.
1. **Description, cost, quantity, and capabilities:** MUM-14XR-5 night vision monocular, cost: on loan from US military, quantity: not to exceed 40. The MUM-14XR-5 is a high performance modular, hand-held passive night vision monocular device that utilizes a single Generation III intensifier tube to provide crisp, clear images under the darkest conditions. The monocular "single tube / single eyepiece" approach to night vision missions is based upon the proven concept that independent use of each eye maximizes the ability of the user to operate under a wide range of low light conditions and maintain maximum situational awareness.
 2. **Purpose:** To be deployed when its view would assist officers or incident commanders with the following situations, which include but are not limited to:
 - (a) Search for missing persons.
 - (b) Natural disaster management.
 - (c) SWAT, tactical, or other public safety and life preservation missions.
 3. **Authorized Use:** NVGs shall only be used by trained members of the Department's SWAT Team during situations that include but are not limited to the following:
 - (a) By officers who have been trained in their proper use
 - (b) In hostage and barricaded subject situations
 - (c) In high-risk warrant (search/arrest) services where there may be extreme hazards to officers
 - (d) During other high-risk situations where their use would enhance officer safety and the safety of community members
 - (e) During training exercises
 4. **Lifespan:** Is approximately 10 years
 5. **Fiscal Impact:** Loaned from US military. No annual maintenance costs.
 6. **Training:** All Department members who have been issued NVG's will train

with them on an annual basis.

7. **Legal and Procedural Rules:** The Department will only utilize NVGs for official law enforcement purposes and pursuant to State and Federal law and department policy.

(D) **Long Range Acoustic Device (LRAD):** The LRAD is a high-intensity directional acoustical array for long-range, crystal clear hailing, notification, and an unmistakable warning tone. The LRAD is primarily used as a communication device.

1. **Description, cost, quantity, and capabilities:** LRAD 100x, approximate cost: \$10,703.56, quantity: not to exceed 1. Self-contained, portable, and featuring an extended voice broadcast range out to 600 meters, the LRAD 100X ensures voice messages are clearly heard and understood. LRAD's optimized driver, waveguide, and power efficiency technologies enable the LRAD 100X to provide several hours of clear, continuous communication from a single battery charge.
2. **Purpose:** To be used to issue dispersal orders during crowd and riot control situations or to address the public in the event of civil emergencies, natural disasters, evacuations, and police incidents (e.g., missing persons, perimeters for wanted suspects/K9 deployments, etc.). The LRAD may also be used to issue a warning tone.
3. **Authorized Use:** LRADs shall only be used by personnel trained in its deployment and used in a manner consistent with State and Federal law and training.
4. **Lifespan:** LRADs have an estimated lifespan of approximately 25 years.
5. **Fiscal Impact:** Annual maintenance cost of approximately \$300.
6. **Training:** All operators receive training before operating any LRADs in the field.
7. **Legal and Procedural Rules:** The Department shall only utilize the LRAD for official law enforcement purposes and pursuant to State and Federal law and department policy.

LESS-LETHAL DEVICES

(A) **40MM Launchers and Munitions:** 40MM launchers are utilized by Department personnel as a less-lethal tool to deploy less-lethal impact munitions and chemical agents.

1. **Description, cost, quantity, and capabilities:**
 - (a) DEFENSE TECHNOLOGY Single Shot 40MM Launcher, #1300, approximate cost: \$1,000, quantity: not to exceed 100. The 40MM Single Launcher is a tactical single-shot launcher that has an Integrated Front Grip (IFG), equipped with an EOTech holographic sight system. It will

fire standard 40mm less-lethal ammunition, up to 4.8 inches in cartridge length. It will launch a 40MM less-lethal round up to 131 feet.

- (b) DEFENSE TECHNOLOGY Tactical 4-Shot 40MM Launcher, #1440. Cost approximately \$1,800. Quantity: not to exceed 6. Designed for riot and tactical situations, the Defense Technology 1440 40mm Tactical 4-Shot Launcher is low-profile and lightweight, providing multi-shot capability in an easy to carry launcher. It features the Rogers Super Stoc expandable gun stock, an adjustable Picatinny mounted front grip, and a unique direct-drive system to advance the magazine cylinder. It is equipped with a EOTech holographic sight system.
- (c) B&T GL06 BT-31000-A Single Shot 40MM Launcher approximate cost: \$1,400 each, quantity: not to exceed 4. Designed from the ground up for lightweight, accurate, and rapid deployment, the B&T GL06 launcher and SIR (Safe Impact Round) ammunition family is the state of the art in a point-of-aim/point-of-impact "less lethal" system created specifically for public order, law enforcement and peacekeeping operations. Rifled Barrel for Precision Accuracy, Folding Stock, Familiar Ergonomic Controls, Multiple Picatinny Accessory Rails. Color: Black, material: Polymer / Aluminum. Caliber: 40mm, Barrel Length: 11", Twist Rate: 1:47, Length: 15.2-23.5 ", Weight 4.6 Lbs, Action: Single Shot.
- (d) DEFENSE TECHNOLOGY, 40MM EXACT IMPACT SPONGE, #6325, cost approximately: \$20, quantity: not to exceed 500. A less lethal 40mm lightweight plastic and foam projectile fired from a single or multi-round purpose-built 40mm launcher with a rifled barrel at 325 FPS. The 30-gram foam projectile delivers 120 ft/ lbs. of energy on impact. The 40mm Exact Impact Sponge Round provides accurate and effective performance when fired from the approved distance of not less than ten (10) feet and as far as 131 feet from the target.
- (e) DEFENSE TECHNOLOGY, 40MM DIRECT IMPACT CS CRUSHABLE FOAM ROUND, #6320, cost approximately: \$18, quantity: not to exceed 60. A less lethal 40MM lightweight plastic and crushable foam projectile fired from a single or multi-round purpose-built 40mm launcher with a rifled barrel at 295 FPS. The 39-gram crushable foam projectile delivers 120 ft./lbs. of energy upon impact in addition to the dispersion of 5 grams of CS irritant. The 40mm Direct Impact CS Round provides accurate and effective performance when fired from the approved distance of not less than ten (10) feet and as far as 120 feet from the target. Only trained members of the Department's SWAT Team are authorized to deploy the 40mm Direct Impact CS round.
- (f) DEFENSE TECHNOLOGY, DIRECT IMPACT MARKING CRUSHABLE FOAM ROUND, # 6326, cost approximately: \$21, quantity: not to exceed 50. A less lethal 40MM lightweight plastic and foam projectile with a green marking agent, fired from a single or multi-round purpose built 40MM launcher with a rifled barrel at 325 FPS. The 30-gram foam projectile delivers up to 120 ft./lbs. of energy upon impact. The 40MM Direct Impact Marking Crushable Foam Round

provides accurate and effective performance when fired from the approved distance of not less than then (10) feet and as far as 131 feet from the target. Only trained members of the Department's SWAT Team are authorized to deploy the 40mm Marking Round.

- (g) DEFENSE TECHNOLOGY, EXACT IMPACT LE 40MM EXTENDED RANGE SPONGE ROUND, #6325LE, cost approximately: \$25, quantity: not to exceed 50. A less lethal 40mm lightweight plastic and foam projectile fired from a single or multi-round purpose-built 40mm launcher with a rifled barrel at 400 FPS. The 40mm Exact Impact Extended Range Sponge Round provides accurate and effective performance when fired from the approved distance of not less than 33 feet, and as far as 230 feet from the target. Only trained members of the Department's SWAT Team are authorized to deploy the 40mm Extended Range Sponge Round.
- (h) DEFENSE TECHNOLOGY, 40MM FERRET POWDER BARRICADE ROUND, CS, #1292, cost approximately: \$25, quantity: not to exceed 50. The Ferret 40 mm Barricade Penetrating Round is filled with a CS powder chemical agent. It is a frangible projectile that is spin-stabilized, utilizing fins and barrel rifling. It is non-burning and used by tactical teams to penetrate barriers and deliver a chemical agent. Only trained members of the Department's SWAT Team are authorized to deploy the 40mm Ferret Powder Barricade Round.
- (i) DEFENSE TECHNOLOGY, 40MM FERRET LIQUID BARRICADE ROUND, CS, #1262, cost approximately: \$25, quantity: not to exceed 20. The Ferret 40 mm Barricade Penetrating Round is filled with a CS liquid chemical agent. It is a frangible projectile that is spin-stabilized, utilizing fins and barrel rifling. It is non-burning and used by tactical teams to penetrate barriers and deliver a chemical agent. Only trained members of the Department's SWAT Team are authorized to deploy the 40mm Ferret Liquid Barricade Round.
- (j) DEFENSE TECHNOLOGY Single Shot 40MM Launcher, #1425, cost approximately: \$1,000, quantity: not to exceed 100. The 40MM Single Launcher is a tactical single-shot launcher that features an expandable Rogers Super Stoc and adjustable Integrated Front Grip (IFG), equipped with an EOTech holographic sight system. It will fire standard 40mm less-lethal ammunition, up to 4.8 inches in cartridge length. It will launch a 40MM less-lethal round up to 131 feet.

- 8. **Purpose:** To limit the escalation of conflict where the employment of lethal force is prohibited or undesirable.
- 9. **Authorized Use:** Situations where the deployment of less-lethal impact or chemical munitions are authorized include but are not limited to:
 - (a) Self-destructive, dangerous, and/or combative individuals
 - (b) Riot/crowd control and civil unrest incidents where the criminal behavior involved exceeds a failure to disburse or curfew violation.
 - (c) Circumstances where a tactical advantage can be obtained

- (d) Vicious animals
- (e) Training exercises or approved demonstrations
- (f) Tactical situations involving the deployment of the Department's SWAT Team including, but not limited to barricaded subjects.

10. **Lifespan:**

- (a) DEFENSE TECHNOLOGY Single Shot Launcher is approximately 20 years
- (b) DEFENSE TECHNOLOGY Tactical 4-Shot Launcher is approximately 20 years
- (c) All munitions listed above are approximately 5 years

11. **Fiscal Impact:** Annual maintenance for the 40MM launchers is approximately \$50 each.

12. **Training:** Personnel deploying less-lethal or chemical agents will be trained in their use and deployment before using them in the field. All training will be conducted by a POST-certified less-lethal or chemical agent instructor.

13. **Legal and Procedural Rules:** It is the department's policy to use all less-lethal devices and associated munitions in accordance with State and Federal law and department policy.

(E) **PepperBall Launcher and Munitions:** A less-lethal device that discharges projectiles designed to breach glass or projectiles containing chemical agents

1. **Description, cost, quantity, and capabilities:**

- (a) PepperBall FTC Launcher, cost approximately: \$510 each, quantity: not to exceed 10. Semi- automatic launcher system with a firing rate of 10-12 RPS. Compact lightweight modular design. Ambidextrous rotational safety switch. 30 cubic inch high capacity high-pressure air system. Designed for use with high-pressure air.
- (b) PepperBall INERT Powder Projectiles, cost approximately: \$300 for a case of 375, quantity: not to exceed 6 cases. Inert projectiles used for training purposes.
- (c) PepperBall LIVE-X PAVA / Oleoresin Capsicum (OC), cost approximately: \$1,100 for a case of 375, quantity: not to exceed 4 cases. Contains a powerful concentration of PAVA pepper powder. One round of LIVE-X™ contains the equivalent to 10 regular PepperBall rounds.

2. **Purpose:** To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for the use of PepperBall may include, but are not limited to:

- (a) Tactical situations involving the deployment of the Department's SWAT Team
 - (b) Training exercises or approved demonstrations
 - (c) Potentially vicious animals
 - (d) Circumstances where a tactical advantage can be obtained
 - (e) Riot/crowd control and civil unrest incidents
 - (f) Self-destructive, dangerous, and/or combative individuals
3. **Authorized Use:** Only officers who have received certification in the use of PepperBall are authorized to use PepperBall. Situations where the Pepperball may be deployed include but are not limited to critical incidents, emergencies, and training.
4. **Lifespan:**
- (a) PepperBall FTC Launcher approximately 20 years
 - (b) All PepperBall projectiles have a lifespan of approximately 3 years.
5. **Fiscal Impact:** Annual maintenance for the PepperBall launchers is approximately \$50.
6. **Training:** Only officers who have been properly trained will be permitted to deploy and use Pepperball.
7. **Legal and Procedural Rules:** The Department will only deploy PepperBall for law enforcement purposes and in accordance with State and Federal law and department policy.
- (F) **Chemical Agent and Smoke Canisters:** Canisters that disburse chemical agents and/or smoke when deployed.
1. **Description, cost, quantity, and capabilities:**
- (a) DEFENSE TECHNOLOGY, RIOT CONTROL CS gas, #1082, cost approximately: \$41, quantity: not to exceed 100. The Riot Control CS is a continuous discharge canister. This canister can be hand thrown or launched from a fired delivery system. The canister is 6.0in. by 2.35 in. and holds an approximately 2.7 oz. of active agent payload. It has an approximate burn time of 20-40 seconds.
 - (b) DEFENSE TECHNOLOGY, FLAMELESS TRI-CHAMBER CS CANISTER, #1032, cost approximately; \$32, quantity: not to exceed 10. The Tri-Chamber Flameless CS canister design allows the contents to burn within an internal can and disperse the agent safely with reduced risk of fire. The canister is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. This canister will deliver approximately .70 ounces of agent during its 20-25 seconds burn time. The Tri-Chamber Flameless canister can be used in crowd control and 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

canister 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 canister 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.

- (c) DEFENSE TECHNOLOGY, POCKET TACTICAL CANISTER, CS, #1016, cost approximately: \$23, quantity: not to exceed 100. The Pocket Tactical CS Canister 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. 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 canister.
 - (d) DEFENSE TECHNOLOGY, MAXIMUM SMOKE CANISTER, #1073, cost approximately: \$35, quantity: not to exceed 25. The Maximum Smoke canister is specifically designed for outdoor use in a crowd control capacity with a high volume of continuous burn that expels its payload in approximately 1.5 minutes through four gas ports located on top of the canister. This can be used to conceal tactical movement or re-route a crowd.
2. **Purpose:** To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for the use of the less-lethal canisters may include, but are not limited to:
- (a) Self-destructive, dangerous, and/or combative individuals
 - (b) Riot/crowd control and civil unrest incidents
 - (c) Circumstances where a tactical advantage can be obtained
 - (d) Potentially vicious animals
 - (e) Training exercises or approved demonstrations
 - (f) Tactical situations involving the deployment of the Department's SWAT Team
3. **Authorized Use:** Only SWAT officers who have received POST certification in the use of chemical agents are authorized to use chemical agents. Situations where the chemical agents may be deployed include but are not limited to critical incidents, emergencies, and training.
4. **Lifespan:** Approximately 5 years from manufacturing date.
5. **Fiscal Impact:** No annual maintenance costs
6. **Training:** SWAT Team members utilizing chemical agent canisters are certified by POST less lethal and chemical agents instructors.
7. **Legal and Procedural Rules:** The Department will only deploy chemical agents for law enforcement purposes and in accordance with State and Federal law and department policy.

SPECIALTY MUNITIONS

- (A) **Breaching Shotguns and Munitions:** Shotguns and specialty munitions utilized to access secured structures when no other means have proven successful.
1. **Description, cost, quantity, and capabilities:**
 - (a) REMINGTON 870 BREACHING SHOTGUN, cost approximately: \$500, quantity 2: not to exceed 2. The breaching shotgun is a standard patrol issue shotgun that is shortened to improve maneuverability in a tactical environment.
 - (b) DEFENSE TECHNOLOGY, TKO 12-GAUGE BREACHING ROUND, cost approximately: \$7, quantity: not to exceed 100. The 12-Gauge TKO Breaching Round is a 12-Gauge shell loaded with a compressed zinc slug, utilizing smokeless powder as a propellant. It is a widely used method to breach door locks or hinges for entry during tactical operations. When properly deployed, the TKO can defeat door lock mechanisms, doorknobs, hinges, deadbolts, safety chains, and padlocks on both wooden and hollow core doors. Upon impact with the target, the zinc slug disintegrates into a fine powder eliminating fragmentation.
 2. **Purpose:** Used to defeat locking mechanisms on doors or gates when mechanical breaching is ineffective or not feasible due to environmental factors.
 3. **Authorized Use:** Breaching shotguns and munitions shall only be utilized by trained members of the Department's SWAT Team and only with the approval of the Incident Commander, SWAT Commander, or their designee during tactical incidents or training exercises.
 4. **Lifespan:**
 - (a) Remington Breaching Shotguns approximately 25 years
 - (b) TKO 12-Gauge Breaching Round approximately 5 years
 5. **Fiscal Impact:** Annual maintenance of shotguns, approximately \$100
 6. **Training:** All SWAT Team members deploying breaching shotguns and munitions shall receive initial training before utilizing them in the field.
 7. **Legal and Procedural Rules:** The Department will only utilize breaching shotguns and munitions for official law enforcement purposes in accordance with State and Federal law and department policy.
- (B) **Noise Flash Diversionary Devices (NFDD):** A device used to distract or divert a person's attention.
1. **Description, cost, quantity, and capabilities:** DEFENSE TECHNOLOGY LOW-ROLL NON-RELOADABLE DISTRACTION DEVICE, #8902NR cost approximately: \$42, quantity: not to exceed 100. A non-bursting, non-fragmenting single-bang device that produces a thunderous bang with intense bright light. Ideal for distracting dangerous suspects during assaults,

hostage rescue, room entry, or other high-risk arrest situations.

2. **Purpose:** A diversionary device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry, or other high-risk arrest situations. To produce atmospheric overpressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological, sensory deprivation to give officers a tactical advantage.
3. **Authorized Use:** Diversionary Devices shall only be used by trained members of the Department's SWAT Team during situations that include but are not limited to the following:
 - (a) By officers who have been trained in their proper use
 - (b) In hostage and barricaded subject situations
 - (c) In high-risk warrant (search/arrest) services where there may be extreme hazards to officers
 - (d) During other high-risk situations where their use would enhance officer safety
 - (e) During training exercises
4. **Lifespan:** Until deployed
5. **Fiscal Impact:** No annual maintenance
6. **Training:** Prior to use, officers must attend diversionary device training conducted by Post certified instructors.
7. **Legal and Procedural Rules:** The Department will only utilize NFDDs for official law enforcement purposes and pursuant to State and Federal law and department policy.

FIREARMS AND AMMUNITION

- (A) **Rifles:** Shoulder-fired firearms, with long spirally grooved barrels, intended to cause projectiles to spin, improving accuracy over a long distance.

1. **Description, cost, quantity, and capabilities:**
 - (a) COLT LAW ENFORCEMENT CARBINE 5.56mm (.223 Rem) PATROL RIFLE (6920) equipped with an EO-Tech Holographic sight, tactical light, and sling, cost approximately: \$1,588, quantity: not to exceed 100. Action: Gas Operated Semi-Auto, Caliber: 223 Remington/5.56 NATO, Barrel Length: 16.1", Capacity: 30+1, Trigger: Standard, Safety: Reversible Safety Selector, Weight: 6.95 lbs, Stock: Black 4-Position Collapsible, Metal Finish: Black, Muzzle: A2 Flash Hider, Receiver Material: 7075-T6 Aluminum, Sights: A2 Front, Barrel Description: Chrome-Lined, Twist: 1:7" Purpose: Duty \ Range, Finish: Black, Overall Length: 32" to 35" Features: Front Barrel Lug/ Ejection Port Cover, Effective Range: 400m
 - (b) COLT M4 CARBINE COMMANDO (R0933) / CQB (LE6946) 5.56mm (.223 Rem) SWAT RIFLE equipped with an EO-Tech holographic sight,

tactical light, and sling, cost approximately: \$1,300, quantity: not to exceed 30. Action: Gas Operated Full-Auto, Caliber: 223 Remington /5.56 NATO, Barrel Length: 10.3" or 11.5", Capacity: 30+1, Trigger: Standard, Safety: Reversible Safety Selector, Weight: 6.25 lbs, Stock: Black 4-Position Collapsible, Metal Finish: Black, Muzzle: A2 Flash Hider, Receiver Material: 7075-T6 Aluminum, Sights: A2 Front, Barrel Description: Chrome-Lined, Twist: 1:7" Purpose: Duty \ Range, Finish: Black, Overall Length: 26" to 29.5" Features: Front Barrel Lug/ Ejection Port Cover, Effective Range: 400m.

- (c) SIG SAUER MPX SWAT 9mm SUBMACHINE GUN equipped with EO-Tech holographic sight, tactical light, and sling. Cost approximately: \$1,800, Quantity: not to exceed 20. Action: Short Stroke Piston, Full-Auto, Caliber: 9mm NATO (9x19mm), Barrel Length: 8", Capacity: 30+1, Trigger: Standard, Safety: Ambidextrous Safety Selector, Weight: 5.6 lbs, Stock: Folding or 5 Position telescoping, Metal Finish: Black, Muzzle: A1 Flash Hider, Receiver Material: 7075-T6 Aluminum, Sights: folding front and rear, Barrel Twist: 1:10" Purpose: Duty \ Range, Finish: Black, Overall Length: 26" Effective Range: 200m.
- (d) COLT LE6943 5.56 (.223 Rem.) TRAFFIC / PATROL RIFLE equipped with EOTech holographic sight and sling, cost approximately: \$1,700, quantity: not to exceed 20. The LE6943 displays fresh ingenuity with Mil-Spec hammer and trigger pivot pins, 11.5-inch barrel, a Magpul MBUS backup sight and a folding front sight for enhanced optical solutions, and a straight gas tube and a removable lower rail, which provides modularity for under mounting accessories. The patented one-piece monolithic upper receiver incorporates a continuous Mil-Spec rail from the rear of the upper receiver to the front sight. This feature affords unmatched repeatability for mounting optical systems, not found with separate handguard rail systems. Designed with accuracy in mind, its true free-floating barrel provides the enhanced accuracy necessary for long-range acquisition capability.
- (e) DANIEL DEFENSE DD5 V3 RIFLE 7.62x51mm (.308 WIN) equipped with a telescopic or holographic sight, tactical light, and sling, cost approximately: \$2,123, quantity: not to exceed 4. Action: Gas Operated Semi-Automatic, Caliber 7.62 x 51 mm, Barrel length 16", Overall Length: 33" – 37", Weight: 8.3 lbs, Magazine Capacity: 20 rounds, Barrel Specifications: 1:10 Twist, hammer forged and chrome lined.

2. **Purpose:** Used as precision weapons to address threats that exceed the capability of the Department's standard-issue handgun.

3. **Authorized Use:** Only members POST certified in the use of the rifle are authorized to deploy them in the field. Situations where rifles may be used include to prevent serious bodily injury or death to self or others and during training.

4. **Lifespan:**

- (a) COLT LAW ENFORCEMENT CARBINE PATROL RIFLE approximately: 15 years

- (b) COLT M4 CARBINE COMMANDO / CQB SWAT RIFLE approximately: 10 years
 - (c) SIG SAUER MPX SWATSUBMACHINE GUN approximately: 10 years
 - (d) COLT LE6943 TRAFFIC PATROL RIFLE approximately: 15 years
 - (e) DANIEL DEFENSE DD5 V3 RIFLE approximately 10 years
5. **Fiscal Impact:** Annual maintenance for each rifle is approximately \$50
 6. **Training:** Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification two times a year.
 7. **Legal and Procedural Rules:** The department will use rifles in accordance with State and Federal law and department policy. .
 8. **Description, cost, quantity, and capabilities:**
 - (a) WINCHESTER .223/5.56 55-grain RANGER SOFT-POINT RIFLE ROUND, cost approximately: \$607 per case of 1000, quantity: not to exceed 30 cases. Winchester ammunition features a lead core 55-grain non-corrosive, soft-point bullet in a reloadable brass casing.
 - (b) WINCHESTER .223/5.56 55-grain NATO M193 RIFLE ROUND, cost approximately: \$378 per case of 1000, quantity: not to exceed 30 cases. Winchester ammunition features a lead core 55-grain full metal jacket, non-corrosive boxer primer, in a reloadable brass casing.
 - (c) WINCHESTER.223/5.56 FRANGIBLE TRAINING AMMUNITION, cost approximately: \$285 per case of 200, quantity: not to exceed 30 cases. Winchester Frangible .223 Remington ammunition is loaded with a 55-grain Reduced Hazard Training (RHT) bullet. BallistiClean features frangible Reduced Hazard Training bullets that break-up immediately on contact with metal targets, significantly reducing ricochet and backlash danger. BallistiClean loads feature a copper-plated primer and a "NT" (non-toxic) headstamp to clearly identify BallistiClean as a training round at a glance, eliminating confusion with duty rounds. With this Federal ammunition range operators have no hazardous waste disposal problems and it meets or exceeds all OSHA and EPA standards.
 9. **Purpose:** To be used in Department rifles to address lethal threats to the community and Department personnel with greater accuracy, enhancing community safety.
 10. **Authorized Use:** Only members POST certified in the use of the rifle are authorized to utilize rifle ammunition.
 11. **Fiscal Impact:** The Department spends approximately \$25,000 annually for all Department firearm ammunition.
 12. **Lifespan:** The ammunition listed above does not have an expiration date.
 13. **Training:** Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle

are required to pass a range qualification two times a year.

14. **Legal and Procedural Rules:** The department will use ammunition in accordance with State and Federal law and department policy.