



SACRAMENTO POLICE DEPARTMENT GENERAL ORDERS



410.06 MILITARY EQUIPMENT USE 08-16-2023

PURPOSE

The purpose of this policy is to establish guidelines for the funding, acquisition, and use of “military equipment,” as the term is defined in Government Code § 7070. This policy is provided to fulfill the obligations set forth in Chapter 12.8 (commencing with § 7070) to Division 7 of Title 1 of the Government Code, relating to military equipment. These obligations include, but are not limited to, obtaining approval to seek funding for, acquire, or use specific items deemed to be military equipment, as well as requirements related to compliance, annual reporting, cataloging, and complaints regarding these items.

POLICY

It shall be the policy of the Sacramento Police Department (SPD) to observe legally enforceable safeguards, including transparency, oversight, and accountability measures in place to protect the public’s welfare, safety, civil rights, and civil liberties before military equipment is funded, acquired, or used. All equipment in this order shall only be used within the parameters established in the respective order that governs each particular item.

PHILOSOPHY

The acquisition of military equipment and its deployment in our communities may impact the public’s safety and welfare. The public has a right to know about any funding, acquisition, or use of military equipment by local government officials, as well as a right to participate in any government agency’s decision to fund, acquire, or use such equipment. Decisions regarding whether and how military equipment is funded, acquired, or used should give strong consideration to the public’s welfare, safety, civil rights, and civil liberties, and should be based on meaningful public input.

PROCEDURE

A. DEFINITIONS

1. Governing Body – For SPD the elected entity would be City Council of the City of Sacramento.
2. Military Equipment – Any of the items specified in Government Code § 7070 (c)(1) through (c)(16).

B. GENERAL

1. The SPD shall obtain approval of the governing body, on an annual basis, prior to engaging in any of the following actions:
 - a. Requesting military equipment made available pursuant to United States Code § Title 10, 2576a.
 - b. Seeking funds for military 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 military equipment either permanently or temporarily, including by borrowing or leasing.
 - d. Collaborating with another law enforcement agency in the deployment or other use of military equipment within the territorial jurisdiction of the governing body.
 - e. Using any new or existing military equipment for a purpose, in a manner, or by a person, not previously approved in this general order 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, military



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equipment.

- g. Acquiring military equipment through any other means not specified in this general order.
2. In seeking the approval of the governing body, the department shall submit a proposed military equipment use policy, or subsequent amendments, to the city council and the public via the law enforcement agency's internet website at least 30 days prior to any public hearing concerning the military equipment at issue.

C. MILITARY EQUIPMENT USE CONSIDERATIONS

1. The military equipment acquired and authorized by the department is:
 - a. Necessary because there is no reasonable alternatives that can achieve the same objective of officer and civilian safety.
 - b. Reasonably cost effective compared to available alternatives that can achieve the same objective of officer and civilian safety.
2. Military 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 (POST), has been completed. In the event that circumstances arise where there is a risk of serious bodily injury or death, it may be used unless prohibited by law.
3. SPD will not acquire any equipment, the possession of which by law enforcement agencies is prohibited by federal law.
4. Any SPD request for mutual aid or assistance from outside agencies shall conform to this policy.
 - a. Where SPD has requested assistance and retains operational control of an incident while outside agency members relieve or supplement SPD personnel, any command decisions made by the incident commander shall conform to this policy.
 - b. Outside agency members are expected to conform their conduct to their employing agency's Military Equipment Use Policy, which may differ from this policy.
 - c. Any SPD employee who observes conduct by a member of an outside agency that does not conform to this policy shall immediately report it to the SPD incident commander through their chain of command and to the Professional Standards Lieutenant.

D. MILITARY EQUIPMENT REPORTING CONSIDERATIONS

1. The SPD shall submit an annual military equipment report to city council that addresses each type of military equipment authorized and available for use by the department.
2. The department shall also make each annual military equipment use report publicly available on its internet website for as long as the military equipment is available for use.
3. The annual military equipment use report shall, at a minimum, include the following information for the immediately preceding calendar year for each type of military equipment:
 - a. A summary of how the military equipment was used and the purpose of its use.
 - b. A summary of any complaints or concerns received concerning the military equipment.
 - c. The results of any internal audits, any information about violations of the military equipment use policy, and any actions taken in response.
 - d. 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.
 - e. The quantity possessed for each type of military equipment.
 - f. If SPD intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment.



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- (1) Within 30 days of submitting and publicly releasing an annual military equipment report, SPD shall hold at least one well-publicized and conveniently located community engagement meeting, at which the general public may discuss and ask questions regarding the annual military equipment report and SPD's funding, acquisition, or use of military equipment. This shall occur as a part of SPD's presentation to the governing body.

E. CATALOGING OF MILITARY EQUIPMENT

1. All military equipment kept and maintained by SPD shall be cataloged in a way which addresses each of the following requirements:
 - a. The manufacturer's description of the equipment.
 - b. The capabilities of the equipment.
 - c. The purposes and authorized uses for which the department proposes to use the equipment.
 - d. The expected lifespan of the equipment.
 - e. The fiscal impact of the equipment, both initially and for on-going cost.
 - f. The quantity of the equipment, whether maintained or sought.

F. COMPLIANCE AND INDEPENDENT ENTITIES

1. SPD's Inspections and Standards Team (IST) will ensure that all department members comply with this policy.
 - a. The IST will conduct an annual audit with the assistance of the Professional Standards Unit. The chief of police or designee will be notified of any policy violations and, if needed, the violations will be referred to the Internal Affairs Division and handled in accordance with Reference Manual 220.01 (Internal Affairs Investigations). All instances of non-compliance will be reported to city council via the annual military equipment report.
 - b. The IST will conduct an annual inventory inspection of military equipment in accordance with the provisions and authority set forth in General Order 340.02 (Internal Inspections).
2. Any member of the public can register a question, concern, or complaint regarding military use equipment. For an urgent issue, an on-duty supervisor may be contacted by calling SPD's non-emergency line: 916-808-5471.
 - a. Any member of the public may also register a non-urgent question or concern regarding military use equipment by contacting SPD's Professional Standards Unit via email at SPDPSU@pd.cityofsacramento.org.
 - b. Any member of the public may also submit a complaint to any member of the department and in any form (i.e., in person, telephone, email, etc.). Once the complaint is received, it should be routed to the Internal Affairs Division in accordance with General Order 220.01 (Personnel Complaints).
3. Independent entities:
 - a. The Governing Body: City Council of the City of Sacramento
 - b. The Office of Public Safety Accountability: See Sacramento City Code, Chapter 2.22 Office of Public Safety Accountability
 - c. The Sacramento Community Police Review Commission: See Sacramento City Code, Chapter 2.110 Sacramento Community Police Review Commission.

G. FUNDING

1. The department shall seek council approval for military equipment, including, but not limited to, applying for a grant, entering contracts, soliciting or accepting private, local, state, or federal funds, in-kind donations, or other donations or transfers of military equipment.
 - a. The department has authority to apply for funding prior to obtaining council approval in the case of exigent circumstances. The department shall obtain council approval as soon as practicable, and



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before the equipment is purchased, acquired, or received.

- (1) The department is authorized to solicit proposals for the acquisition of military equipment to accurately identify its fiscal impact herein notwithstanding the section annotated as "FUNDING" in this order. However, the department shall not respond to a proposal for the acquisition of military equipment or enter into an agreement with any other person or entity to seek funds for, apply to receive, acquire, use or collaborate in the use of, military equipment, without the prior approval of the city council except as authorized in the case of exigent circumstances as stated above.

2. Proposed annual procurement costs under each item is the individual item costs only, and does not include tax, shipping, or increased vendor costs.

H. MILITARY EQUIPMENT

1. Uncrewed Aerial System (UAS) - An uncrewed aircraft along with the associated equipment necessary to control it remotely.

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

- (1) DJI MAVIC MINI - Featuring a Downward Vision System and Infrared Sensing System, DJI Mavic Mini can hover and fly indoors as well as outdoors and Return to Home automatically. With a fully stabilized 3-axis gimbal and 1/2.3" sensor camera, Mavic Mini shoots 2.7K video and 12 MP photos. Mavic Mini has a maximum flight speed of 29 mph (46.8 kph) and a maximum flight time of 30 minutes. This particular model is no longer manufactured.
 - (a) (Description Source: <https://www.dji.com/mavic-mini>)
 - (b) Previous quantity: 6
 - (c) Current quantity: 6
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$400.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (2) DJI INSPIRE 2 - The image processing system CineCore2.0 has been upgraded to CineCore2.1, recording video at up to 6K in CinemaDNG/RAW and 5.2K in Apple ProRes when used with Zenmuse X7 camera. It goes from 0 to 50 mph (80 kph) in just 5 seconds and hits a maximum speed of 58 mph (94 kph) and has a max descent speed of 9m/s for unheard of speed and agility in an aircraft this size. A dual battery system prolongs the flight time to a maximum of 27 minutes (with an X4S), while self-heating technology allows it to fly even in low temperatures.
 - (a) (Description Source: <https://www.dji.com/inspire-2>)
 - (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$1,200.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (3) DJI MAVIC 2 ENTERPRISE DUAL - 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. The DJI Mavic 2 Enterprise Dual features; visible & thermal imagery, integrated radiometric FLIR thermal sensor, adjustable parameters for emissivity & reflective surfaces, and multiple display modes (FLIR MSX, Infrared & Visibility). The Mavic 2 Enterprise series boasts a maximum flight speed of 44.7 mph (72 kph)



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and a maximum flight time of 31 minutes.

- (a) (Description Source: <https://www.dji.com/mavic-2-enterprise/specs>)
 - (b) Previous quantity: 35
 - (c) Current quantity: 35
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$5,500.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (4) DJI MAVIC 2 ENTERPRISE ADVANCED - Designed to capture accurate details, the Mavic 2 Enterprise Advanced is a highly versatile yet compact tool that features; high-resolution visual & thermal camera, 32x digital zoom, centimeter-level positioning, and RTK omnidirectional obstacle sensing.

The Mavic 2 Enterprise Advanced boasts a maximum flight speed of 44.7 mph (72 kph) and a maximum flight time of 31 minutes.

- (a) (Description Source: <https://www.dji.com/mavic-2-enterprise-advanced>)
 - (b) Previous quantity: 2
 - (c) Current quantity: 4
 - (d) Proposed annual procurement quantity: 4
 - (e) Previous cost: \$6,500.00 each
 - (f) Current cost: \$4,000.00 each
 - (g) Proposed annual procurement costs: \$16,000.00
- (5) DJI M300 RTK with H20T - The Matrice 300 RTK is DJI's latest commercial aircraft 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. The Matrice 300 RTK features; 15 km max transmission, 55-min max flight time, 6 directional sensing & positioning, primary flight display, IP45 rating, -20c to 50c operating temperature, hot-swappable battery, and UAV health management.
- (a) (Description Source: <https://www.dji.com/matrice-300>)
 - (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$14,000.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (6) DJI MAVIC PRO - DJI Mavic Pro is DJI's smallest flying camera, featuring a fully stabilized camera, Intelligent Flight Modes and Obstacle Avoidance inside a revolutionary folding design. It captures 4K videos and 12 megapixel photos, and is capable of both ActiveTrack™ and TapFly™ making complex shots effortless. Mavic Pro boasts a maximum flight speed of 40 mph (65 kph) and maximum flight time of 27 minutes*. In addition, the Mavic Pro Platinum has an extended max flight time of 30 mins, as well as a 60% noise reduction. (This user manual is taking Mavic Pro's figure for example.)

*Maximum flight time was tested in 0 wind at a consistent 15.5 mph (25 kph). This value should be taken for reference only.



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- (a) (Description Source: <https://www.dji.com/mavic>)
 - (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$1,500.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (7) HAPPYMODEL MOBULA 7 - The Happymodel Mobula7 1S Micro FPV Whoop Aircraft has a AIO flight controller and the new third-generation RS0802 brushless motor. The Mobula7 features a Runcam Nano 3 camera and the flight time is approximately 2 minutes.
- (a) (Description Source: <http://www.happymodel.cn/index.php/2022/01/20/happymodel-mobula7-1s-micro-fpv-whoop-drone/>)
 - (b) Previous quantity: 18
 - (c) Current quantity: 13
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$250.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (8) HOLYBRO KOPIS - KOPIS is a high-performance ready-to-fly FPV drone from Holybro, Low-deck design means centralized mass and excellent handling. The FPV antenna is in a unique location behind the quad, to protect against damage. Kakute F7 flight controller and Atlatl HV V2 video transmitter give perfectly integrated control of all quadcopter systems. This particular model is no longer manufactured.
- (a) (Description Source: <https://170693844-files.gitbook.io/~files/v0/b/gitbook-x-prod.appspot.com/o/spaces%2FLigtGDAvVGkCKGOJb1bR%2Fuploads%2Fhoach5YRAxXNf0zvY1YB%2FHolybro%20Kopis%20Manual.pdf?alt=media&token=7876e66d-74cf-4a81-a948-2aaa3b67c48d>)
 - (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$375.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (9) IFLIGHT A75 - The iFlight Alpha A75 weights approximately 66.9 grams (without battery), and the following features; 66.9 grams (without battery), butter smooth XING 1103 8000KV, more torque and efficiency, ducts to protect the sensitive environment or yourself, pre-tuned with smooth cinematic settings, iFlight Albatross 5.8G light antenna upgrade (included), and iFlight Albatross 900mhz light micro antenna upgrade (included with every Crossfire Nano RX).
- (a) (Description Source: <https://pyrodrone.com/products/alpha-a75-hd-whoop-w-caddx-polar-nano-vista-digital-hd-system-choose-receiver>)
 - (b) Previous quantity: 2
 - (c) Current quantity: 8
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$300.00 each
 - (f) Current cost: N/A



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- (g) Proposed annual procurement costs: \$0
- (10) IFLIGHT A85 - The iFlight Alpha series tries to find the optimal ration between weight and power. The iFlight Alpha A75 weights approximately 66.9 grams (without battery), and the following features; 84.5 grams (without battery), butter smooth XING1303 5000KV, more torque and efficiency with longer flight times compared to 1105 motors, ducts to protect the sensitive environment or yourself, pre-tuned with smooth cinematic settings, iFlight Albatross 5.8G light antenna upgrade (included), and iFlight Albatross 900mhz light micro antenna upgrade (included with every Crossfire Nano RX).
- (a) (Description Source: <https://www.getfpv.com/iflight-alpha-a85-whoop-hd-w-caddx-polar-nano.html>)
- (b) Previous quantity: 12
- (c) Current quantity: 16
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$300.00 each
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0
- (11) DJI M30T - The DJI™ MATRICE™ 30 Series (M30/M30T) is a powerful industrial drone platform with a multi-redundancy flight controller system, 6 directional sensing and positioning system, precise three-axis gimbal, high-performance multi-camera load, and a new FPV camera with night vision. The DJI Pilot 2 app can be used to observe the real-time view from the cameras and take photos and videos. The Aerial boasts a flight time of up to 41 minutes thanks to the advanced power management system along with the dual batteries that ensure power supply and enhance flight safety.

The remote controller has a protection rating of IP54 (IEC 60529). The build-in 7.02 inch high brightness 1200 cd/m2 screen boasts a resolution of 1920x1200 pixels. The Android operating system comes with a variety of functions such as GNSS, Wi-Fi, and Bluetooth. The remote controller supports 65W fast charging and has a maximum operating time of 3 hours 18 minutes with the internal battery and up to 6 hours when used with an external WB37 intelligent battery.

- (a) (Description Source: <https://enterprise.dji.com/matrice-30>)
- (b) Previous quantity: 0
- (c) Current quantity: 0 (1 approved)
- (d) Proposed annual procurement quantity: 1
- (e) Previous cost: N/A
- (f) Current cost: \$13,341.00 each
- (g) Proposed annual procurement costs: \$13,341.00
- (12) DJI MAVIC 3 ENTERPRISE - DJI Mavic 3E/3T features both an infrared sensing system and upward, downward, and horizontal omnidirectional vision systems, allowing for hovering and flying indoors as well as outdoors and for automatic Return to Home while avoiding obstacles in all directions. The aircraft has a maximum flight speed of 47 mph (75.6 kph) and a maximum flight time of 45 minutes. The built-in DJI AirSense system detects nearby aircraft in the surrounding airspace, providing alerts in the DJI Pilot 2 app to ensure safety. Safety during flight is improved with the beacon that helps to identify the aircraft and the auxiliary bottom light allows the vision positioning system to achieve an even greater performance during takeoff



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and landing at night or when there is low light. The DJI RC Pro Enterprise comes with a wide range of aircraft and gimbal controls as well as customizable buttons and has a maximum operating time of 3 hours.

- (a) (Description Source: <https://enterprise.dji.com/mavic-3-enterprise>)
 - (b) Previous quantity: 0
 - (c) Current quantity: 0
 - (d) Proposed annual procurement quantity: 3
 - (e) Previous cost: N/A
 - (f) Current cost: \$6,300.00 each
 - (g) Proposed annual procurement costs: \$18,900.00
- (13) DJI AVATA - DJI Avata features a compact and portable aircraft body, which is equipped with a propeller guard. With both a Vision System and an Infrared Sensing System, it can hover stably and fly flexibly indoors as well as outdoors, and automatically initiate Return to Home (RTH). With a gimbal and 1/1.7" sensor camera, the aircraft stably shoots 4K 60fps ultra-HD video and 4K photos. The aircraft has a maximum hover time of approximately 18 minutes. DJI Avata uses DJI O3+ technology, when used with compatible goggles and remote-control devices, it provides video transmission with a maximum range of 6 mi (10 km), and a bit rate of up to 50 Mbps, bringing an immersive flight experience. The goggles are equipped with a high-performance display. By receiving the video signal from the aircraft, users can enjoy a first-person view of their aerial experience in real time. The remote-control devices are equipped with a range of function buttons, which can be used to control the aircraft and operate the camera. DJI Goggles 2 and DJI Motion Controller can easily control the flight of the aircraft by tracking your head or hand movements, bringing a new and convenient flight control experience.
- (a) (Description Source: <https://www.dji.com/avata>)
 - (b) Previous quantity: 0
 - (c) Current quantity: 0
 - (d) Proposed annual procurement quantity: 1
 - (e) Previous cost: N/A
 - (f) Current cost: \$1,428.00 each
 - (g) Proposed annual procurement costs: \$1,428.00
- (14) DJI MAVIC 3 CINE PREMIUM COMBO - DJI Mavic 3 features both an Infrared Sensing System and Forward, Backward, Upward, Lateral, and Downward Vision Systems, allowing for hovering and flying indoors as well as outdoors and for automatic Return to Home while avoiding obstacles in all directions. The aircraft has a maximum flight speed of 47 mph (75.6 kph) and a maximum flight time of 46 minutes. DJI Mavic 3 Cine comes with the DJI RC Pro remote controller that has a built-in 5.5-in high brightness 1000cd/m² screen with a resolution of 1920x1080 pixels.
- (a) (Description Source: <https://www.dji.com/mavic-3-pro>)
 - (b) Previous quantity: 0
 - (c) Current quantity: 0
 - (d) Proposed annual procurement quantity: 1
 - (e) Previous cost: N/A
 - (f) Current cost: \$4,999.00 each
 - (g) Proposed annual procurement costs: \$4,999



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- b. Purpose
 - (1) Approved situations for UAS are:
 - (a) Major collision investigations.
 - (b) Search for missing persons.
 - (c) Natural disaster management.
 - (d) Crime scene photography.
 - (e) Special Weapons and Tactics (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 or prevention.
 - (2) There are other potential uses not defined here, however those uses shall be in compliance with "Legal and Procedural Rules" detailed below.
 - c. Authorized Use
 - (1) Only assigned operators who have completed the required training shall be permitted to operate any UAS during approved missions.
 - d. Lifespan
 - (1) All UAS equipment - 3-5 years.
 - e. Fiscal Impact
 - (1) Annual ongoing cost and projected acquisitions is \$86,200.
 - f. Training
 - (1) All department UAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must attend a 40-hour department training and ongoing quarterly training.
 - g. Legal and Procedural Rules
 - (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Order 525.09 (Unmanned Aerial Systems) and FAA Regulation 14 CFR Part 107. It is the policy of SPD to utilize UAS only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to State and Federal law.
2. Robots - A remote-controlled uncrewed machine that operates on the ground, which is utilized to enhance the safety of the community and officers.
- a. Description, quantity, capabilities, and purchase cost
 - (1) REMOTEC ANDROS F6A The Remotec Andros F6A is the most versatile, heavy-duty robot on the market. Speed and agility unite to make it the first choice for a wide range of missions, and its proven stair climbing ability, rugged and dependable chassis, and an arm capable of lifting 65 lbs. mean that the F6A is more than strong enough to handle any task. The F6A also offers multiple communications options, a chassis and manipulator that allow for unlimited accessories and tool combinations, and quick-release pneumatic wheels for rapid width reduction.
 - (a) (Description Source: <https://www.army-technology.com/contractors/mines/northrop-remotec/>)
 - (b) Previous quantity: 2
 - (c) Current quantity: 2
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$250,000.00 each
 - (f) Current cost: N/A



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- (g) Proposed annual procurement costs: \$0
- (2) QINETIQ DRAGON RUNNER 20 - Small and lightweight, yet rugged and feature-packed, the Dragon Runner 20 (DR-20) is a highly specialized and mobile robot designed to provide situational awareness, safety and support for reconnaissance, security, inspection and IED missions. At 20 pounds, the DR-20 can be hand carried by one person and easily deployed.
- (a) (Description Source: <https://www.qinetiq.com/en-us/what-we-do/services-and-products/dragon-runner-small-and-compact-robot>)
- (b) Previous quantity: 1
- (c) Current quantity: 1
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$90,000.00 each
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0
- (3) ECX TEMPER GEN 2 4WD - The ECX® 1/18 Temper® Gen2 4WD Rock Crawler is built to tackle any environment. It sports a stylish and aggressive look with matching wheel rings, plus hidden compartment for the battery tray. The LED light bar keeps going even after the sun goes down. A true 4-link suspension with improved articulation and strength is a substantial upgrade, while the larger servo mount and aluminum steering links allow for bigger servos to handle a higher power output. It has a high torque 380-size 32T brushed motor and waterproof electronics.
- (a) (Description Source: <https://www.horizonhobby.com/product/1-18-temper-4wd-gen-2-brushed-rtr/ECX01015.html>)
- (b) Previous quantity: 1
- (c) Current quantity: 1
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$159.00 each
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0
- (4) LOSI NIGHT CRAWLER SE 4WD - If you love scale crawling and night driving, the Losi® Night Crawler™ SE RTR will rock your world. It's built on the proven Losi Night Crawler heritage but offers more lights and a new Exoskeleton cage. The cage and body provide impressive scale details without compromising performance or durability. Additional front and rear rock lights will make it easier to see obstacles in your path and brighter LED light strips will further light the way. This crawler feels most at home on rocky terrain-the rougher, the better-and it doesn't shy away from mud or water, either.
- (a) (Description Source: <https://www.losi.com/product/1-10-night-crawler-se-4wd-rock-crawler-brushed-rtr-blue/LOS03015T1.html>)
- (b) Previous quantity: 1
- (c) Current quantity: 1
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$350.00 each
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0
- b. Purpose
- (1) To be used to remotely gain visual and audio data, deliver CNT phone, open doors, disrupt



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packages, and clear buildings. Any use of robots must be in compliance with “Legal and Procedural Rules” detailed below.

c. Authorized Use

- (1) Only assigned operators who have completed the required training shall be permitted to operate the robots identified in the section labeled “Robots”. Use is established by the Bomb Squad commander or incident commander.

d. Lifespan

- (1) All robots - 8-10 years.

e. Fiscal Impact

- (1) Annual ongoing cost and projected acquisitions is \$5,000.

f. Training

- (1) All robot operators shall complete robot operations training prior to operating the robots identified in the section labeled “Robots”.

g. Legal and Procedural Rules

- (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in Reference Manual 532.16 (Bomb Squad Manual). It is the policy of the SPD to utilize a robot only for official law enforcement purposes pursuant to State and Federal law.

3. Armored Vehicles - Commercially produced wheeled and tracked armored personnel vehicle utilized for law enforcement purposes.

a. Description, quantity, capabilities, and purchase cost

- (1) LENCO BEARCAT, G2 - 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.
 - (a) (Description Source: <https://www.lencoarmor.com/model/bearcat-g2-police-government/>)
 - (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$315,518.65 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (2) LENCO BEARCAT, G3 - The BearCat G3 provides Lenco’s proven armor system in a ruggedized off-road platform. The G3 utilizes the same body design, interior features and tactical options as the G2, but it comes standard with a heavier duty upgraded suspension and off-road tires, rims & run flats to provide enhanced off-road performance. The increased ground clearance and robust suspension allows for emergency response in rural regions and natural disaster scenarios where standard armored SWAT vehicles would experience challenges. If your mission takes you off-road, the Lenco BearCat G3 will get you where you need to go. Available with mission-specific design features for Police and Government, Medical and Fire Response.
 - (a) (Description Source: <https://www.lencoarmor.com/model/bearcat-g3-police-government/>)



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- (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$404,521.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (3) The ROOK Modified CAT Compact Track Loader Chassis - The Rook is a tactical vehicle custom designed and fabricated by Ring Power Corporation from a Cat® chassis and contains rubber tracks, dual joystick controls, cameras, gun port holes, rear and front lights, an enclosed cab with air conditioning/heat and operator comfort seat, custom installed bullet-proof glass, and NIJ Level IV armor cab reinforcement fabrication.
- (a) (Description Source: <https://therook.ringpower.com/specs>)
 - (b) Previous quantity: 0
 - (c) Current quantity: 0 (1 approved FY23)
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$400,000.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- b. Purpose
- (1) To be used in response to critical incidents to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical incidents. Any use of armored vehicles shall be in compliance with “Legal and Procedural Rules” detailed below.
- c. Authorized Use
- (1) 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.
- d. Lifespan
- (1) All armored vehicles - 25 years.
- e. Fiscal Impact
- (1) Annual ongoing cost and projected acquisitions is \$33,000.
- f. Training
- (1) All drivers and operators shall attend formalized instruction and be trained in vehicle operations and practical driving instruction.
- g. Legal and Procedural Rules
- (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Order 580.18 (Deployment of Armored Vehicles). It is the policy of SPD to utilize armored vehicles only for official law enforcement purposes, and pursuant to State and Federal law.
4. M2 Freightliner Mobile Incident Command Vehicle (MICV) – A vehicle used as a mobile office that provides shelter, access to department computer systems, and restroom facilities, during extended events.
- a. Description, quantity, capabilities, and purchase cost
 - (1) Freightliner Chassis (custom built) vehicle - The MICV is a Freightliner M2 medium-duty vehicle with a custom-built chassis. Due to the vehicle’s custom features, an exact



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manufacturer's description is unavailable. The base of the Freightliner M2 is described by the manufacturer as follows:

The Freightliner M2 106 is designed to get any job done. With a GVWR of up to 66,000 pounds, this versatile medium-duty truck supports a wide range of bodies and chassis-mounted equipment, from dry vans to a concrete pump. Our multiplex wiring system, clear frame rails, and a variety of exhaust packages help you get the configuration you need for the job at hand. In addition to being easy to upfit, the M2 106 maximizes uptime, safety, quality, and productivity to lower your Real Cost of OwnershipSM (RCO). Your RCO is the comprehensive evaluation of the hard and soft costs over the lifetime of your vehicle, which reflects the true value of your truck to your business. Everyone's business is different, so you can spec your M2 106 based on the factors that impact your bottom line the most. Improve your productivity with your choice of manual, automatic, or automated transmissions from Eaton[®] and Allison[®]. And keep drivers safe with the sloped aerodynamic hood, low-profile dash and best-in-class visibility of the ergonomic M2 106. Plus, the M2 106 provides up to a 55-degree wheel cut, set-back front axle and swept-back bumper for superior maneuverability in tight situations. The M2 106 is also available with the Detroit[™] DD8[™] engine and the Detroit[™] DD5[™] engine,* both available with the Detroit[™] Connect suite of connected vehicle services to maximize uptime. All the more reason to choose this leading medium-duty truck for your hard-working fleet.

(a) (Description Source: <https://freightliner.com/trucks/m2-106/configurator/basic/>)

(b) Previous quantity: 1

(c) Current quantity: 1

(d) Proposed annual procurement quantity: 0

(e) Previous cost: \$996,000.00 each

(f) Current cost: N/A

(g) Proposed annual procurement costs: \$0

b. Purpose

(1) To be used based on the specific circumstances of a given critical incident, large event, natural disaster or community event that is taking place. Any use of the MICV shall be in compliance with "Legal and Procedural Rules" detailed below.

c. Authorized Use

(1) Only officers trained in the deployment and operations of the MICV, and in a manner consistent with department policy and training, are authorized to operate it. Furthermore, only officers who have completed the California State Class B Commercial driving school and become properly licensed will be allowed to drive the MICV. Examples of situations in which the MICV is authorized for use are critical incidents, emergencies, natural disasters, and special events.

d. Lifespan

(1) The MICV, 20-year lifespan on chassis and vehicle structure. Upgrades needed in seven years to maintain IT systems.

e. Fiscal Impact

(1) Annual ongoing cost and projected acquisitions is \$11,000.

f. Training

(1) Drivers and operators shall receive training in the safe handling of the vehicle on a closed



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training course. Once the operator has shown competence in vehicle handling, the operator will drive the vehicle throughout the city with an experienced driver.

- (2) Operators shall also undergo California Department of Motor Vehicles commercial vehicle testing.

g. Legal and Procedural Rules

- (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Order 420.01 (Use of Police Vehicles). It is the policy of the department to use the MICV only for official law enforcement purposes, and in accordance with California state law regarding the operation of motor vehicles.

5. MT-55 Freightliner Crisis Negotiation Team (CNT) Vehicle - A vehicle used as a mobile office that provides shelter, access to the police department computer systems, and restroom facilities on extended events.

a. Description, quantity, capabilities, and purchase cost

- (1) Freightliner Chassis (custom built) vehicle – The CNT Vehicle was custom built for the SPD from a Freightliner Chassis.
 - (a) (Description Source unavailable due to customization)
 - (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$293,707.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0

b. Purpose

- (1) To be utilized for critical incident callouts. Any use of the CNT vehicle shall be in compliance with “Legal and Procedural Rules” detailed below.

c. Authorized Use

- (1) The CNT vehicle shall only be used by officers and staff who have been properly trained in the safe handling of the vehicle. The driver of the vehicle shall have a valid California driver license.

d. Lifespan

- (1) The CNT vehicle has a 30-year lifespan.

e. Fiscal Impact

- (1) Annual ongoing cost and projected acquisitions is \$4,000.

f. Training

- (1) After completing a closed training course, the operator will drive the vehicle throughout the city with an experienced driver.

g. Legal Procedural Rules

- (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Order 420.01 (Use of Police Vehicles) and shall be in accordance with California State law regarding the operation of motor vehicles as well as the provisions of Penal Code § 13652.

6. Long Range Acoustic Device (LRAD) - Long Range Acoustic Device (LRAD) is a high intensity directional acoustical array for long-range, crystal-clear hailing, and notification. The LRAD is only authorized for use as a communication device.

a. Description, quantity, capabilities, and purchase cost

- (1) GENASYS INC. LRAD 100X Mag-HS Wireless Kit – The LRAD 100X MAG-HS Kit consists of



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an LRAD 100X, a mount with four high strength magnets that clamp to, and unclamp from, magnetic surfaces with a turn of a knob, an LRAD Wireless Kit for remote operation, an AC-powered battery charger, an MP3 player with an all-weather record-on-the-fly mic, a watertight, dust proof hard case, and other accessories. With unparalleled vocal clarity and up to 30db louder than bullhorns, megaphones, and vehicle P.A. systems, the LRAD 100X is also four to six times louder than other acoustic hailers of comparable size and weight. LRAD's optimized driver and waveguide technology ensures every message is clearly broadcast, heard and understood, even above engine, crowd, siren, and background noise.

- (a) (Description Source: https://genasys.com/wp-content/uploads/Datasheet_LRAD_100X-MAG-HS_2021_QR.pdf)
 - (b) Previous quantity: 2
 - (c) Current quantity: 2
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$16,455.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (2) GENASYS INC. LRAD 300X-RE – LRAD 300X-RE is low profile, lightweight and designed for use on a tripod mount configuration or mounted on small vessels, security and defense vehicles and Remote Weapon Stations (RWS). Easily transported, the LRAD 300X-RE provides a highly effective long range communication
- (a) (Description Source: https://genasys.com/wp-content/uploads/2015/03/LRAD_Datasheet_300X-RE.pdf)
 - (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$16,455.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (3) GENASYS INC. LRAD 500X-RE – The LRAD 500X-RE is compact, lightweight, and designed for applications ranging from fixed security installations to small/mid-sized vehicles and vessels. It can be easily transported to provide security and defense personnel a highly effective communication, hailing and warning capability. The LRAD 500X has been selected as the US Navy and US Army's AHD (acoustic hailing device) for small vessels and vehicles. LRAD 500X operators have the capability to issue clear, authoritative verbal commands, enhance response capabilities, and provide more time to scale the use of force if required. The extended frequency range of the LRAD 500X-RE ensures voice commands will be clearly heard and understood.
- (a) (Description Source: https://genasys.com/wp-content/uploads/Datasheet_500X-RE_2020.pdf)
 - (b) Previous quantity: 1
 - (c) Current quantity: 1
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$16,455.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0



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- b. Purpose
 - (1) 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 or K9 deployments). Any use of the LRAD shall be in compliance with “Legal and Procedural Rules” detailed below.
 - c. Authorized Use
 - (1) The LRAD shall only be used by officers trained in its deployment and used in a manner consistent with department policy and training.
 - d. Lifespan
 - (1) All LRADs - 25 years.
 - e. Fiscal Impact
 - (1) Annual ongoing cost and projected acquisitions is \$400.
 - f. Training
 - (1) All operators receive training prior to operating any of the LRADs in the field.
 - g. Legal and Procedural Rules
 - (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Order 580.17 (Use of Long Range Acoustic Device (LRAD)). It is the policy of the SPD to utilize the LRAD only for official law enforcement purposes, and pursuant to State and Federal law.
7. 40mm Launchers and Munitions - 40mm Launchers are utilized by department personnel as a less lethal tool to launch impact rounds.
- a. Description, quantity, capabilities, and purchase cost
 - (1) DEFENSE TECHNOLOGY, 40MM SINGLE SHOT LAUNCHER, #1425 - Manufactured exclusively for Defense Technology®, the 1425 40LMTS is a tactical single shot launcher that features the Rogers Super Stoc™ expandable gun stock and an adjustable Integrated Front Grip (IFG) with light rail. The ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single- and two-point sling attachment. Users have the option of customizing the 40LMTS with an array of enhanced optics and sighting systems through the launchers Picatinny rail mounting system. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8” in cartridge length, but it is NOT designed to fire 40mm high velocity HE ammunition.
 - (a) (Description Source: https://www.defense-technology.com/wp-content/uploads/2020/06/DT_40MM_Single_Launcher_Sell_Sheet.pdf)
 - (b) Previous quantity: 100
 - (c) Current quantity: 98
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$1,000.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
 - (2) DEFENSE TECHNOLOGY, 40MM TACTICAL 4-SHOT LAUNCHER, #1440 - The Defense Technology® #1440 is a Tactical 40mm 4-Shot Launcher that features an expandable ROGERS Super Stoc™ and an adjustable Picatinny mounted front grip. The Tactical 4-Shot will fire standard 40mm Less Lethal ammunition, up to 4.8 inches in cartridge length. Lightweight and tactical, this weapon is NOT designed to fire 40mm High Velocity HE ammunition. The Picatinny Rail Mounting System will accept a wide array of enhanced



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optics/sighting systems.

- (a) (Description Source: <https://www.defense-technology.com/wp-content/uploads/2020/06/40mm-Tactical-4-Shot-Launcher.pdf>)
 - (b) Previous quantity: 2
 - (c) Current quantity: 2
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$1,975.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (3) DEFENSE TECHNOLOGY, 40MM EXACT IMPACT SPONGE ROUND #6325 - The eXact iImpact™ 40mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consisting of a plastic body and sponge nose that is spin stabilized via the incorporated rifling collar and the 40mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore have velocities that are extremely consistent. Used for Patrol, and Tactical Applications.
- (a) (Description Source: <https://www.defense-technology.com/product/exact-impact-40-mm-standard-range-sponge-round/>)
 - (b) Previous quantity: 96
 - (c) Current quantity: 665
 - (d) Proposed annual procurement quantity: 300
 - (e) Previous cost: \$18.00 each
 - (f) Current cost: \$24.00 each
 - (g) Proposed annual procurement costs: \$7,200.00
- (4) DEFENSE TECHNOLOGY, 40MM DIRECT IMPACT OC CRUSHABLE FOAM ROUND #6320 - The 40mm Direct Impact® munition is a point-of-aim, point-of-impact direct-fire round to incapacitate a single subject. When loaded with OC powder, the Direct Impact combines blunt trauma with the effects of an irritant powder, maximizing the potential for incapacitation.
- (a) (Description Source: <https://www.defense-technology.com/product/direct-impact-40-mm-oc-crushable-foam-round/>)
 - (b) Previous quantity: 96
 - (c) Current quantity: 531
 - (d) Proposed annual procurement quantity: 200
 - (e) Previous cost: \$30.00 each
 - (f) Current cost: \$24.00 each
 - (g) Proposed annual procurement costs: \$4,800.00
- (5) DEFENSE TECHNOLOGY, FERRETT 40MM LIQUID BARRICADE PENETRATOR ROUND CS #2262 - The Ferret® 40mm Round is non-burning and suitable for indoor use. Used primarily by tactical teams, it is designed to penetrate barriers, such as windows, hollow core doors, wallboard, and thin plywood. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside of a structure or vehicle. In a tactical deployment situation, the 40mm Ferret is primarily used to dislodge barricaded subjects from confined areas. Its purpose is to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.
- (a) (Description Source: <https://www.defense-technology.com/product/ferret-40-mm-liquid->



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- barricade-penetrator-round-cs/
- (b) Previous quantity: 50
 - (c) Current quantity: 176
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$23.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (6) DEFENSE TECHNOLOGY, FERRET 40mm LIQUID BARRICADE PENETRATOR ROUND OC #2260 – The 40MM Ferret® Round is a frangible projectile filled with chemical agent. It has a diameter of 1.60 inches (40mm) and a length of 4.1 inches (10.4cm). The effective range of the projectile is 54 yards (50 meters). The velocity of the projectile is 375 fps (114 mps) for powder and 325 fps (99 mps) for liquid. The total weight of the payload is 4.1 grams. Upon impact, the round will discharge instantaneously.
- (a) (Description Source: <https://www.defense-technology.com/product/ferret-40mm-liquid-barricade-penetrator-round-oc/>)
- (b) Previous quantity: 0
 - (c) Current quantity: 0
 - (d) Proposed annual procurement quantity: 50
 - (e) Previous cost: N/A
 - (f) Current cost: \$29.95
 - (g) Proposed annual procurement costs: \$1,671.43
- (7) DEFENSE TECHNOLOGY, SPEDE-HEAT 40MM LONG-RANGE, CS, #6182 – The Spede-Heat™ CS Long-Range Munitions delivers one chemical canister of CS agent from a 40mm launcher down range up to 150 yards. The Spede-Heat™ is a pyrotechnic round designed specifically for outdoor use with a high volume continuous burn that expels its payload in approximately 20-40 seconds from a single source. The Spede-Heat family may be used to conceal tactical movement.
- (a) (Description Source: <https://www.defense-technology.com/product/spede-heat-40-mm-long-range-round-cs/>)
- (b) Previous quantity: 35
 - (c) Current quantity: 35
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$30.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (8) DEFENSE TECHNOLOGY, SPEDE-HEAT 40MM LONG-RANGE ROUND, SAF SMOKE, #6183 – The Spede-Heat™ Saf-Smoke™ Long Range Munitions is designed to deliver one chemical canister of Saf-Smoke™ payload down range up to 150 yards. The Spede-Heat is a pyrotechnic round designed specifically for outdoor use in a crowd control situation with a high volume continuous burn that expels its payload in approximately 20-40 seconds from a single source. The Spede-Heat 40mm is designed for outdoor and has a maximum effective range of 150 yards.
- (a) Description Source: <https://www.defense-technology.com/product/spede-heat-40-mm-long-range-round-saf-smoke/>
- (b) Previous quantity: 35



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- (c) Current quantity: 17
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$27.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (9) DEFENSE TECHNOLOGY, 40MM ROUND MUZZLE BLAST OC #6040 – The 40mm Muzzle Blast OC Round is widely used as a crowd management tool for the immediate and close deployment of chemical agent. It can also be employed in tactical operations such as barricaded subjects for area denial, and a means of contaminating crawl spaces and attics. As a pain compliance round it is an excellent device for deploying chemical-laden OC powder at close ranges for indoor or outdoor operations. It has a maximum effective range of 30 feet/9.1 meters.
- (a) (Description Source: <https://www.defense-technology.com/product/muzzle-blast-40-mm-round-oc/>)
 - (b) Previous quantity: 47
 - (c) Current quantity: 98
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$28.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (10) DEFENSE TECHNOLOGY, 40MM WARNING/SIGNALING MUNITION WITH OC #6028OC - The 40mm Aerial Warning/Signaling Munition, 50 meters, is intended for use in situations where stand-off distance is desired, giving the operator the ability to engage crowds, vehicles, or vessels. Launched from a 40mm platform, the munitions deflagrate at a set distance of 50 meters to deliver 170 dB of sound and 5 million candelas of light, noticeable in day or night conditions. A tactile feature on the nose of the cone indicates the designated distance.
- (a) (Description Source: <https://www.defense-technology.com/product/40-mm-warning-signaling-munition-with-oc-50-meter/>)
 - (b) Previous quantity: 44
 - (c) Current quantity: 47
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$41.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (11) DEFENSE TECHNOLOGY, 40MM WARNING/SIGNALING MUNTITION WITH CS #6028CS – The 40mm Aerial Warning/Signaling Munition, 50 meters, is intended for use in situations where stand-off distance is desired, giving the operator the ability to engage vehicles, or vessels. Launched from a 40mm platform, the munitions deflagrate at a set distance of 50 meters to deliver 170 dB of sound and 5 million candelas of light, noticeable in day or night conditions. A tactile feature on the nose of the cone indicates the designated distance.
- (a) (Description Source: <https://www.defense-technology.com/product/40-mm-warning-signaling-munition-with-cs-50-meter/>)
 - (b) Previous quantity: 50
 - (c) Current quantity: 46
 - (d) Proposed annual procurement quantity: 0



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- (e) Previous cost: \$41.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (12) DEFENSE TECHNOLOGY, 40MM WARNING/SIGNALING MUNITION #6028WS - The 40mm Aerial Warning/Signaling Munition, 50 meters, is intended for use in situations where stand-off distance is desired, giving the operator the ability to engage crowds, vehicles, or vessels. Launched from a 40mm platform, the munitions deflagrate at a set distance of 50 meters to deliver 170 dB of sound and 5 million candelas of light, noticeable in day or night conditions.
- (a) (Description Source: This particular munition is no longer listed on the manufacturer's website.)
 - (b) Previous quantity: 50
 - (c) Current quantity: 88
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$41.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- b. Purpose
- (1) To limit the escalation of conflict where employment of lethal force is prohibited or undesirable.
- c. Authorized Use
- (1) Approved situations for these less lethal weapon systems are:
 - (a) Self-destructive, dangerous, or combative, individuals.
 - (b) Riot and 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.
 - (2) There are other potential uses not defined here, however those uses shall be in compliance with "Legal and Procedural Rules" detailed below.
- d. Lifespan
- (1) Defense Technology #1425 - 25 years.
 - (2) Defense Technology #1440 - 15 years.
 - (3) Model 6325 Exact Impact Sponge - 5 years.
 - (4) Model 6320 Direct Impact OC - 5 years.
 - (5) Model 2262 Liquid Barricade Penetrator round, CS - 5 years.
 - (6) Model 2260 Liquid Barricade Penetrator round, OC - 5 years.
 - (7) Model 6182 Defense Technology Spede-Heat 40mm long-range, CS - 5 years.
 - (8) Model 6183 Spede-Heat 40mm Long-range Round, Saf Smoke - 5 years.
 - (9) Model 6040 40mm Round Muzzle Blast, OC - 5 years.
 - (10) Model 6028OC 40mm warning/signaling munition with OC, 50 meter - 5 years.
 - (11) Model 6028WS 40mm warning/signaling munition - 5 years.
 - (12) Model 6028CS 40mm warning/signaling munition - 5 years.
- e. Fiscal Impact
- (1) Annual ongoing cost and projected acquisitions is \$17,200.
- f. Training
- (1) Sworn members utilizing 40mm less lethal chemical agents or impact rounds are trained in



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their use by POST certified less lethal and chemical agents instructors. SWAT operators who utilize these munitions have successfully completed a POST approved gas school or trained in-house by POST certified chemical agent instructors for muzzle blast training. Marksmanship qualifications with less lethal munitions are held annually for all sworn members.

g. Legal and Procedural Rules

- (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force) and 580.12 (Less Lethal Weapons Systems), and Reference Manual 532.11 (First Amendment Assemblies Manual). It is the policy of the SPD to utilize the 40mm only for official law enforcement purposes, and pursuant to State and Federal law, including the provisions of Penal Code § 13652.

8. Less Lethal Shotgun and Munitions – The Less Lethal Shotgun is used to deploy the less lethal 12 Gauge Super-Sock Beanbag Round.

a. Description, quantity, capabilities, and purchase cost

- (1) REMINGTON FIREARMS MODEL 870, 12 Gauge SHOTGUN – An ideal 12-gauge utility gun featuring an 18 1/2" fixed Cylinder choke barrel, single front bead sight, non-glare matte finish, and choice of 5-shot or 7-shot capacities. The Model 870 Synthetic Tactical is an excellent choice as a permanent camp shotgun or as the foundation for your own personalized design.

- (a) (Description Source: <https://www.remarms.com/shotguns/tactical/model-870-synthetic-tactical>)
- (b) Previous quantity: 619
- (c) Current quantity: 552
- (d) Proposed annual procurement quantity: -2 (Proposed conversion to Breaching Shotgun from existing inventory.)
- (e) Previous cost: \$946 each
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0

- (2) COMBINED TACTICAL SYSTEMS SUPER-SOCK BEAN BAG – 12 GAUGE 2 3/4" – The Model 2581 Super-Sock® is in its deployed state immediately upon exiting the barrel. It does not require a minimum range to “unfold” or “stabilize.” The Super-Sock® is an aerodynamic projectile, and its accuracy is relative to the shotgun, barrel length, environmental conditions, and the operator. The Super-Sock® is first in its class providing the point control accuracy and consistent energy to momentarily incapacitate violent, non-compliant subjects. Effective range is 75ft.

- (a) (Description Source: <https://www.combinedsystems.com/product/2581-12ga-super-sock-bean-bag-priced-individually-per-cartridge-must-order-in-quantities-of-5/>)
- (b) Previous quantity: 2,525
- (c) Current quantity: 10,126 (approximate)
- (d) Proposed annual procurement quantity: 6,000
- (e) Previous cost: \$5.00 each
- (f) Current cost: \$5.90 each
- (g) Proposed annual procurement costs: \$35,400.00

b. Purpose

- (1) To limit the escalation of conflict where employment of lethal force is prohibited or undesirable.

c. Authorized Use

- (1) Approved situations for these less lethal weapon systems are:



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- (a) Self-destructive, dangerous or combative, individuals.
 - (b) Riot and 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.
 - (2) There are other potential uses not defined here, however those uses shall be in compliance with "Legal and Procedural Rules" detailed below.
- d. Lifespan
- (1) Remington 870 Less Lethal Shotgun - 25 years.
 - (2) Super Sock Round - 5 years.
- e. Fiscal Impact
- (1) Annual ongoing cost and projected acquisitions is \$46,650.
- f. Training
- (1) All sworn members are trained in the 12 gauge less lethal shotgun as a less lethal option through in-service training. Marksmanship qualifications with less lethal munitions are held annually for all sworn members.
- g. Legal and Procedural Rules
- (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force) and 580.12 (Less Lethal Weapons Systems), and Reference Manual 532.11 (First Amendment Assemblies Manual). It is the policy of the SPD to utilize the less lethal shotgun only for official law enforcement purposes, and pursuant to State and Federal law.
9. Combined Systems LC5 Launching Cup - Device that attaches to 12 gauge less lethal shotguns which allow officers to launch canisters of chemical agents or smoke.
- a. Description, quantity, capabilities, and purchase cost
- (1) COMBINED TACTICAL SYSTEMS LC5 LAUNCHING CUP – The LC5 Launching Cups are designed for the 5200 series grenades. The cups can be attached to virtually any 12ga shotgun, and the munition launched with our model 2600 launching cartridge. These can be fired from most 12ga smooth bore shotguns.
 - (a) (Description Source: <https://www.combinedsystems.com/product/lc5-and-lc6-launching-cups/>)
 - (b) Previous quantity: 2
 - (c) Current quantity: 2
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$302 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- b. Purpose
- (1) To limit the escalation of conflict where employment of lethal force is prohibited or undesirable.
- c. Authorized Use
- (1) Approved situations for use of these less lethal weapon systems are:
 - (a) Self-destructive, dangerous, or combative, individuals.
 - (b) Riot and crowd control and civil unrest incidents.
 - (c) Circumstances where a tactical advantage can be obtained.
 - (d) Potentially vicious animals.



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- (e) Training exercises or approved demonstrations.
 - (2) There are other potential uses not defined here, however those uses shall be in compliance with "Legal and Procedural Rules" detailed below.
 - d. Lifespan
 - (1) Combined Tactical Systems LC5 Launching Cup - 25 years.
 - e. Fiscal Impact
 - (1) Annual ongoing cost and projected acquisitions is \$0.
 - f. Training
 - (1) Officers utilizing the launching cups are trained by certified chemical agents instructors.
 - g. Legal and Procedural Rules
 - (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force) and 580.12 (Less Lethal Weapons Systems), and Reference Manual 532.11 (First Amendment Assemblies Manual). It is the policy of the SPD to utilize the LC5 launching cups only for official law enforcement purposes, and pursuant to State and Federal law, including the provisions of Penal Code § 13652.
10. Diversionary Devices - A device used to distract dangerous persons.
- a. Description, quantity, capabilities, and purchase cost
 - (1) COMBINED TACTICAL SYSTEMS, 7290-2 FLASH-BANG - This is 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.
 - (a) (Description Source: <https://www.combinedsystems.com/product/7290-2-flash-bang-aluminum-body-low-roll-doublebang-priced-individually-must-order-in-quantities-of-12/#:~:text=7290%2D2%20%E2%80%93%20This%20is%20a,other%20high%20risk%20arrest%20situations>)
 - (b) Previous quantity: 29
 - (c) Current quantity: 27
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$52 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
 - (2) COMBINED TACTICAL SYSTEMS, 7290M MINI BANG - The CTS 7290M Mini Flash-Bang is the newest generation in the evolution of the Flash-Bang. Our Model 7290M Flash-Bang exhibits all 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 180db output of the 7290 and produces 6-8 million candelas 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.
 - (a) (Description Source: <https://www.combinedsystems.com/product/7290m-mini-bang-steel-body-priced-individually-must-order-in-quantities-of-12/>)
 - (b) Previous quantity: 108
 - (c) Current quantity: 71
 - (d) Proposed annual procurement quantity: 36
 - (e) Previous cost: \$38 each



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- (f) Current cost: \$55.69 each
- (g) Proposed annual procurement costs: \$2004.99
- (3) COMBINED TACTICAL SYSTEMS, 7290-7 FLASH-BANG - The patented multi-bangs feature top and bottom non-fragmenting, minimal movement devices that perform with high reliability incorporating CTS Superior fuze components with the patented and US Army adopted Confidence Clip and pin shroud.
 - (a) (Description Source: <https://www.combinedsystems.com/product/7290-7-flash-bang-aluminum-body-7-bang/>)
 - (b) Previous quantity: 11
 - (c) Current quantity: 11
 - (d) Proposed annual procurement quantity:0
 - (e) Previous cost: \$169 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0

b. Purpose

- (1) A diversionary 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 and psychological sensory deprivation to give officers a tactical advantage.

c. Authorized Use

- (1) Diversionary Devices shall only be used:
 - (a) By officers who have been trained in their proper use.
 - (b) In hostage and barricaded subject situations.
 - (c) In high-risk warrant (search or 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.

d. Lifespan

- (1) N/A.

e. Fiscal Impact

- (1) Annual ongoing cost and projected acquisitions is \$2,400.

f. Training

- (1) Prior to use, officers must attend diversionary device training that is conducted by POST certified instructors.

g. Legal and Procedural Rules

- (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Order 580.16 (SWAT Diversionary Devices). It is the policy of the SPD to utilize diversion devices only for official law enforcement purposes, and pursuant to State and Federal law.

11. Rifles and Rifle Ammunition - Guns that are fired from shoulder level, having a longer, grooved barrel intended to make bullets spin and thereby have greater accuracy over a long distance.

a. Description, quantity, capabilities, and purchase cost

- (1) DPMS AR-10 .308 CALIBER RIFLE, MODEL LR-308 – The DPMS with 16" Barrel, AR-10, is an entry level AR-10 style rifle. This firearm is chambered in .308 Winchester/7.62 NATO Rifle and has a 16" barrel. The magazine holds 20 rounds of ammunition, and the rifle has a



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collapsible stock. This rifle is primarily used in an overwatch capacity to protect the community during large events. The DPMS AR-10 is no longer being produced.

- (a) (Description Source: SPD General Order 410.06)
 - (b) Previous quantity: 2
 - (c) Current quantity: 2 (1 is non-functioning and will be destroyed if approval to keep the seized LWRC Rapid Engagement Precision Rifle MKII 7.62 is approved.)
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$1,500.00
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (2) LWRCI RAPID ENGAGEMENT PRECISION RIFLE MKII 7.62MM 20" - The LWRCI™ Rapid Engagement Precision Rifle (R.E.P.R.) is a full-spectrum weapon system, chambered in 7.62 mm NATO. The REPR MKII™ improves upon the dependability, accuracy, and aesthetics that made the original R.E.P.R. a success. The REPR MKII™ is built for high performance. Available in 12.7", 16.1", and 20" barrel lengths with Rear or Side Charge configurations. The MKII comes with a Geissele trigger, a premium stock solution- Magpul PRS (20" Models) - B5 Systems Precision Stock (16.1" Models), and an LWRCI™ proprietary Ultra Brake™ 4- Port muzzle brake.
- (a) (Description Source: https://www.lwrci.com/REPR-MKII-762-NATO_p_261.html)
 - (b) Previous quantity: 2
 - (c) Current quantity: 2
 - (d) Proposed annual procurement quantity: 1 (Requesting approval to use the seized rifle.)
 - (e) Previous cost: \$3,250.00
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (3) LWRCI SWAT OPERATOR PACKAGE IC DI RIFLE 10.5" – A rifle that fires an intermediate-power cartridge (.223) which is more powerful than a standard pistol but less powerful than a standard rifle. It is a short-barreled rifle which allows a trained officer better control inside of structures with greater accuracy than a handgun. This particular model is no longer manufactured.
- (a) (Description Source: https://www.lwrci.com/LWRCI-IC-DI-LE_p_248.html)
 - (b) Previous quantity: 20
 - (c) Current quantity: 19
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$2,070.00
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (4) LOYAL 9 MANUFACTURING M4-89 LE RIFLE 11.5"– The M4-89 features a combat grade barrel made from 4150 CrMoV steel with a twist rate of 1/7 and six grooves. The barrel is threaded with a 1/2-28 threaded muzzle and has a .750" gas block journal with a gas port. The barrel has been high-pressure tested (HPT) and magnetic particle inspected (MPI). The barrel finish is a QPQ corrosion-resistant finish, and the barrel extension is also QPQ coated with an M4 feed ramp extension. The twist rates and thread pitches for the barrel will match the caliber, and match-grade firearms will have 416 stainless steel barrels.
- (a) (Description Source: <https://sonsoflibertygw.com/solgw-m489/>)



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- (b) Current quantity: 0
 - (c) Proposed annual procurement quantity: 18 (If approved, these rifles will replace the 19 LWRCI SWAT Operator Package IC DI 10.5" Rifles that are nearing the end of their life span.)
 - (d) Previous cost: N/A
 - (e) Current cost: \$2,223 each
 - (f) Proposed annual procurement costs: \$40,000
- (5) COLT M16A1 RIFLE. Converted to Semi-Automatic AR-15, received from military at no cost. The M16A1 rifle is a lightweight, air cooled, gas operated magazine fed, and shoulder fired weapon that can be fired in semi-automatic. Featuring a triangular handguard, 20-inch pencil-profile chrome-lined barrel with a 1:12-inch twist, and recognizable carrying handle. The rifle is chambered in 5.56 x 45MM Nato (.223).
- (a) (Description Source: <https://www.colt.com/detail-page/col-crm16a1-556-20-30rd>)
 - (b) Previous quantity: 322
 - (c) Current quantity: 322
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$280,000 total to convert and outfit rifles for police use
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (6) COLT 6920 SERIES PATROL RIFLE. Colt's LE6920 series ships with Magpul MBUS (no carry handle) and a 30-round Magpul PMAG. This rifle is a gas operated semi-automatic rifle, with a 16.1" barrel.
- (a) (Description Source: <https://www.colt.com/detail-page/colt-le6920-carbine-223556-161-301-pmag-mbus-4-pos-stk-blk>)
 - i. Note: SPD policy allows officers to carry personally-owned firearms, including patrol rifles that meet the Department Armorer's specifications and safety check. During the reporting period, SPD authorized 111 personally-owned rifles that are not counted in the department patrol rifle inventory.
 - (b) Previous quantity: 0
 - (c) Current quantity: 200
 - (d) Proposed annual procurement quantity: 0
 - (e) Current cost: \$798.72
 - (f) Proposed annual procurement costs: \$0
- (7) COLT M4 COMMANDO 11.5" RIFLE - A rifle that fires an intermediate-power cartridge (.223) which is more powerful than a standard pistol but less powerful than a standard rifle. It is a short-barreled rifle which allows a trained officer better control inside of structures with greater accuracy than a handgun. The rifle features an 11.5" barrel, with a 1:7-inch twist, and is a semi-automatic.
- (a) (Description Source: <https://armsunlimited.com/colt-m4-commando-semi-auto-11-5-barrel-rifle/>)
 - (b) Previous quantity: 2
 - (c) Current quantity: 2
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$1,315
 - (f) Current cost: N/A



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- (g) Proposed annual procurement costs: \$0
- (8) SPEER GOLD DOT .223 CALIBER 62 GRAIN RIFLE ROUND – Speer® Gold Dot® ammunition's reliability has made it the No. 1 choice for law enforcement, and we offer the same performance for self-defense rifle applications. Gold Dot rifle is engineered to provide industry-leading performance in FBI protocol testing through barrels less than 16 inches long. Its bullets are built using Speer's exclusive Uni-Cor® method. The jacket is bonded to the core one atom at a time, virtually eliminating core-jacket separation and creating a projectile that's accurate, tough and consistent through all common barriers.
- (a) (Description Source: https://www.speer.com/ammunition/gold_dot/rifle/gold_dot_rifle_personal_protection/19-24461.html)
- (b) Previous quantity: 218 cases (of 500 rounds)
- (c) Current quantity: 249 cases (of 500 rounds)
- (d) Proposed annual procurement quantity: 400 cases (of 500 rounds)
- (e) Previous cost: \$260.00 per case
- (f) Current cost: \$259.45 per case
- (g) Proposed annual procurement costs: \$103,780.00
- (9) FEDERAL AMERICAN EAGLE .223 55 GRAIN RIFLE ROUND – American Eagle® rifle ammunition offers consistent, accurate performance at a price that's perfect for high-volume shooting. The loads feature quality bullets, reloadable brass cases and dependable primers.
- (a) (Description Source: <https://www.federalpremium.com/rifle/american-eagle/american-eagle-rifle/11-AE223.html>)
- (b) Previous quantity: 1,400 cases (of 500 rounds)
- (c) Current quantity: 1,245 cases (of 500 rounds)
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$170.00 per case
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0
- (10) FEDERAL GOLD MEDAL .308 WIN 168 GRAIN RIFLE ROUND – Long range isn't just a distance. It's a state of mind. A dedication to push further. And its why Federal Premium® builds Gold Medal® rifle loads. The exclusive primer design provides the best sensitivity and most consistent ballistics in the industry.
- (a) (Description Source: <https://www.federalpremium.com/rifle/gold-medal/gold-medal-sierra-matchking/11-GM308M.html>)
- (b) Previous quantity: 8 cases (of 500 rounds)
- (c) Current quantity: 28 cases (of 500 rounds)
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$397.22 per case
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0
- (11) RUAG SWISS P .308 WIN ARMOUR PIERCING FMJCH 196 GRAIN RIFLE ROUND - The tungsten carbide core is much harder and more ductile than most targets which makes it unstoppable for light armour. Because the core does not break apart during penetration it transfers outstanding residual energy to the target. Using only high-quality raw materials and producing within tight tolerances ensure an identical point of impact from batch to batch. A



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wide range of special purpose bullets provide the desired terminal effect on soft and hard targets on every mission. All .308 Win. SWISS P rounds have an identical point of impact at 100 m which allows the shooter to instantly change the bullet type.

- (a) (Description Source: <https://www.swiss-p.com/en/Products/308-Win-SWISS-P-Armour-Piercing-127-g-196-gr>)
 - (b) Previous quantity: 58 boxes (of 20 rounds)
 - (c) Current quantity: 6 boxes (of 20 rounds)
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$120.00 per box
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (12) RUAG SWISS P.308 WIN TACTICAL 164 GRAIN RIFLE ROUND – The challenge is to accurately hit targets behind an angled window or wind shield without the risk of unpredictable bullet deflection. This could endanger bystanders, especially if the shooting line is not perpendicular to the window. Conventional bullets break apart or fragment when penetrating glass which makes accurate shooting impossible. At least 90% of the residual body of the SWISS P Tactical bullet stays intact and it does not fragment at all. Tight production tolerances and small production batches ensure constant ballistic values and stringent quality controls guarantee identical trajectory from batch to batch. All .308 Win. SWISS P rounds have an identical point of impact at 100 m which allows the shooter to instantly change the bullet type.
- (a) (Description Source: <https://www.swiss-p.com/en/Products/308-Win-SWISS-P-Tactical-106-g-163-gr>)
 - (b) Previous quantity: 9 boxes (of 10 rounds)
 - (c) Current quantity: 99 boxes (of 10 rounds)
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$80.00 per box
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (13) HORNADY .308 WIN TAP, 168 GRAIN ELD MATCH TAP AR ROUND - Designed specifically for the 308 AR-10 platform and its variants, the resilient tip of the ELD Match bullet aids in reliable feed and function, and the propellant is specifically tailored to efficiently operate in the AR-10. The 168 gr. ELD® Match bullet with Heat Shield® tip delivers the excellent terminal performance TAP Precision® is known for, but features a resilient, heat resistant polymer tip that improves the ballistic coefficient, resulting in higher impact velocities, less drop, less wind drift, and more energy on target.
- (a) (Description Source: <https://www.hornadyle.com/rifle-ammunition/168-gr-eld-match-tap-ar#!/>)
 - (b) Current quantity: 0
 - (c) Proposed annual procurement quantity: 30 cases (of 200 rounds)
 - (d) Previous cost: N/A
 - (e) Current cost: \$250.00 per case
 - (f) Proposed annual procurement costs: \$7,500.
- (14) MAXIM DEFENSE 5.56x45MM, 40 GRAIN FRANGIBLE RIFLE TRAINING AMMUNITION - Non-jacketed 9mm/556 frangible ammunition compatible with current systems suppressed or non-suppressed. Lead free, non-jacketed frangible ammunition with no spalling allowing for



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end user to train with issued weapon systems in shoot houses and open ranges. Product Characteristics: 5.56x45mm, frangible, 40gr +/-7gr(2.6g +/-0.5).

(a) (Description Source: <https://maximdefense.com/product-category/ammunition/5-56/>)

(b) Current quantity: 0

(c) Proposed annual procurement quantity: 1 case (of 1,000 rounds)

(d) Previous cost: N/A

(e) Current cost: \$750

(f) Proposed annual procurement costs: \$750

b. Purpose

(1) To be used as precision weapons to address a threat with more precision and greater distances than a handgun, if present and feasible. Any use of a rifle must be in compliance with "Legal and Procedural Rules" detailed below.

c. Authorized Use

(1) Only members that are POST certified are authorized to use a rifle.

d. Lifespan

(1) DPMS AR-10 .308 Rifle - N/A.

(2) LWRCI Rapid Engagement Rifle - N/A.

(3) LWRCI SWAT Operator Package IC DI 10.5" Rifle - 5 years.

(4) LOYAL 9 M4-89 LE Rifle - 5 years.

(5) Colt M16A1 Rifle converted to semi-automatic AR-15 - N/A.

(6) Colt 6920 Series Patrol Rifle - N/A.

(7) Colt M4 Commando Rifle - N/A.

(8) Speer Dot .223 - N/A.

(9) Federal Gold Medal .308 WIN 168 Grain - N/A.

(10) Federal American Eagle .223 55 Grain - N/A.

(11) Ruag Swiss P .308 WIN Armour Piercing - 15 years.

(12) Ruag Swiss P .308 WIN Tactical - 15 years.

(13) Hornady .308 WIN TAP 168 Grain ELD Match TAP AR - N/A.

(14) Maxim Defense 5.56x45mm 40 Grain Frangible Rifle Training Ammunition - 10 years.

e. Fiscal Impact

(1) Annual ongoing cost and projected acquisitions is \$205,000.

f. Training

(1) 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.

g. Legal and Procedural Rules

(1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force) and 580.04 (Firearms). It is the policy of the SPD to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force including the provisions of Penal Code § 13652.

12. Chemical Agents and Smoke Canisters - Canisters that contain chemical agents that are released when deployed.

a. Description, quantity, capabilities, and purchase cost

(1) DEFENSE TECHNOLOGY, TRIPLE-CHASER SEPARATING CANISTER, CS, #1026 – The Triple-Chaser CS consists of three separate canisters pressed together with separating



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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 canister 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.

(a) (Description Source: <https://www.defense-technology.com/product/triple-chaser-separating-canister-cs/>)

(b) Previous quantity: 50

(c) Current quantity: 50

(d) Proposed annual procurement quantity: 0

(e) Previous cost: \$47.00 each

(f) Current cost: N/A

(g) Proposed annual procurement costs: \$0

- (2) DEFENSE TECHNOLOGY, RIOT CONTROL CONTINUOUS DISCHARGE GRENADE, CS, #1082 - 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.

(a) (Description Source: <https://www.defense-technology.com/product/riot-control-continuous-discharge-grenade-cs/>)

(b) Previous quantity: 75

(c) Current quantity: 69

(d) Proposed annual procurement quantity: 0

(e) Previous cost: \$27.00 each

(f) Current cost: N/A

(g) Proposed annual procurement costs: \$0

- (3) DEFENSE TECHNOLOGY, FLAMELESS TRI-CHAMBER CS GRENADE #1032 - 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.

(a) (Description Source: <https://www.defense-technology.com/product/flameless-tri-chamber-cs-grenade/>)

(b) Previous quantity: 20



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- (c) Current quantity: 54
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$45.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (4) DEFENSE TECHNOLOGY, FLAMELESS TRI-CHAMBER OC GRENADE #1030 – The OC Flameless Tri-Chamber Pyrotechnic Grenade combines the effectiveness of Oleoresin Capsicum (OC) as an incapacitating agent with the flexible delivery methods, range, and area coverage of pyrotechnic munitions. The OC Flameless Tri-Chamber Grenade can be used in crowd control, or for barricade situations, or as a less lethal solution to incapacitate subjects through temporary respiratory discomfort, while reducing or negating the chance of fire to structures. The Tri-Chamber Flameless Grenade 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. This launchable grenade is 6.0 in. by 2.35 in. and holds approximately 0.88 oz. of active agent.
- (a) (Description Source: <https://www.defense-technology.com/product/flameless-tri-chamber-oc-grenade/>)
 - (b) Previous quantity: 0
 - (c) Current quantity: 0
 - (d) Proposed annual procurement quantity: 50
 - (e) Previous cost: N/A
 - (f) Current cost: \$52.95 each
 - (g) Proposed annual procurement costs: \$2,821.43
- (5) DEFENSE TECHNOLOGY, FLAMELESS EXPULSION CS GRENADE #2042 – The CS Flameless Expulsion Grenade is a compact, non-pyrotechnic, chemical agent device that provides safe expulsion without risk of fire. It is safe to use inside of a residence. Unlike pyrotechnical grenades, this device's contents are expelled upon actuation of a CO2 cartridge that will affect a confined area of approximately 1500 square feet. This grenade is 7.5 in. by 1.65 in. and delivers approximately .16 oz. of active agent during its 3-second discharge time.
- (a) (Description Source: <https://www.defense-technology.com/product/flameless-expulsion-cs-grenade/>)
 - (b) Previous quantity: 28
 - (c) Current quantity: 26
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$48.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (6) DEFENSE TECHNOLOGY, FLAMELESS EXPULSION OC GRENADE #2040 – The OC Flameless Expulsion Grenade is a compact, non-pyrotechnic, chemical agent device that provides safe expulsion without risk of fire. It is safe to use inside of a residence. Unlike pyrotechnical grenades, this device's contents are expelled upon actuation of a CO2 cartridge



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that will affect a confined area of approximately 1500 square feet. This grenade is 7.5 in. by 1.65 in. and delivers approximately .02 oz. of active agent during its 3-second discharge time.

- (a) (Description Source: <https://www.defense-technology.com/product/flameless-expulsion-oc-grenade/>)
- (b) Previous quantity: 18
- (c) Current quantity: 19
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$49.00 each
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0
- (7) DEFENSE TECHNOLOGY, FLAMELESS TRI-CHAMBER SAF-SMOKE GRENADE, #1033 - The design of the Tri-Chamber Flameless Saf-Smoke™ 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.
- (a) (Description Source: <https://www.defense-technology.com/product/flameless-tri-chamber-saf-smoke-grenade/>)
- (b) Previous quantity: 100
- (c) Current quantity: 51
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$43.00 each
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0
- (8) DEFENSE TECHNOLOGY, POCKET TACTICAL BLUE SMOKE GRENADE #1017B – The Pocket Tactical Blue Smoke Grenade is a small, lightweight device. Though it is slightly over four inches in length, it produces a blue smoke cloud so fast it appears to be an enveloping screen produced by a full size tactical colored smoke grenade. It will burn approximately 20-40 seconds.
- (a) (Description Source: <https://www.defense-technology.com/product/pocket-tactical-blue-smoke-grenade/>)
- (b) Previous quantity: 11
- (c) Current quantity: 51
- (d) Proposed annual procurement quantity: 0
- (e) Previous cost: \$39.00 each
- (f) Current cost: N/A
- (g) Proposed annual procurement costs: \$0



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- (9) DEFENSE TECHNOLOGY, RIOT CONTROL CONTINUOUS DISCHARGE OC GRENADE #1080 – The Riot Control OC 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 0.88 oz. of active agent.
- (a) (Description Source: <https://www.defense-technology.com/product/riot-control-continuous-discharge-grenade-oc/>)
 - (b) Previous quantity: 82
 - (c) Current quantity: 107
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$41.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (10) DEFENSE TECHNOLOGY, OC TRIPLE-CHASER SEPARATING CANISTER #1020 – The OC Triple-Chaser Pyrotechnic Grenade is one of our first-ever pyrotechnic grenades that combines the effectiveness of Oleoresin Capsicum (OC) as an irritant and inflammatory agent with the flexible delivery methods, range and area coverage of pyrotechnic munitions for crowd control. The Triple-Chaser OC consists of three separate canisters pressed together. This grenade can be hand thrown or launched from a delivery system. The grenade is 6.5 in. by 2.7 in. and holds approximately 1.06 oz. of active agent payload. It has an approximate burn time of 20-30 seconds.
- (a) (Description Source: <https://www.defense-technology.com/product/triple-chaser-separating-canister-oc/>)
 - (b) Previous quantity: 26
 - (c) Current quantity: 47
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$61.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (11) DEFENSE TECHNOLOGY, OC VAPOR AEROSOL GRENADE #1056 - The Defense Technology® OC Vapor Aerosol Grenade is for law enforcement and corrections use to deliver a high concentration of Oleoresin Capsicum (OC) in a powerful mist. The grenade is designed for indoor-use in confined areas and, once deployed, inflames the mucous membranes and exposed skin resulting in an intense burning sensation. The incapacitating effect of the OC Vapor on the subject is dramatic, yet requires minimal decontamination. Removing the subject from the affected area to fresh air will resolve respiratory effects within minutes. The OC Vapor Aerosol Grenade is ideal for cell extractions or barricade situations where the use of pyrotechnic, powder or liquid devices is not practical or desired.
- (a) (Description Source: <https://www.defense-technology.com/product/oc-vapor-aerosol-grenade/>)
 - (b) Previous quantity: 16
 - (c) Current quantity: 48
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$49.00 each



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- (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (12) COMBINED SYSTEMS, INC. CS BAFFLED CANISTER GRENADE #5230B – The Grenade is an irritant and smoke pyrotechnic grenades. It has a diameter of 2.60 inches (66mm), a length of 6.20 inches (157mm), and an overall weight of 395 grams. The grenade uses the Model 201 fuze type, with a fuze delay of 1.5 +/- 0.3 seconds on average. It is launchable and has a discharge time of 20-40 seconds. The grenade has four emission ports and is designed with low flame potential.
- (a) (Description Source: <https://www.combinedsystems.com/product/5230b-cs-baffled-canister-grenade-pyro-low-flame-potential-2/>)
 - (b) Previous Quantity: 50
 - (c) Current quantity: 50
 - (d) Proposed annual procurement quantity: 0
 - (e) Current cost: \$41.93
 - (f) Proposed annual procurement costs: \$0
- (13) DEFENSE TECHNOLOGY, OC AEROSOL GRENADE 1.3% FOGGER, 6 OUNCE, #56854 - The 6 oz. OC Aerosol Grenade will deliver its payload of 1.3% OC in 20-25 seconds. This is an atomized mist which enhances the pungent OC formulation. It is ideal for hard to access areas like attics, garages, etc. and may also be handheld to direct the spray pattern. This product is designed to provide room clearing ability with minimum clear up requirements.
- (a) (Description Source: <https://www.defense-technology.com/product/oc-aerosol-grenade-1-3-fogger-6-ounce/>)
 - (b) Previous quantity: 28
 - (c) Current quantity: 18
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$22.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (14) DEFENSE TECHNOLOGY, FIRST DEFENSE 1.3% MK-9 STREAM OC AEROSOL #56895 – The MK-9 features an easy to use trigger handle, is intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff.
- (a) (Description Source: <https://www.defense-technology.com/product/first-defense-1-3-mk-9-stream-oc-aerosol/>)
 - (b) Previous quantity: 5
 - (c) Current quantity: 27
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$55.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (15) DEFENSE TECHNOLOGY, FIRST DEFENSE 1.3% MK-9 FOGGER OC AEROSOL, #43953 - The MK-9 features an easy-to-use trigger handle, is intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This 1.3% MC OC aerosol product utilizes a cone or fogger delivery method providing a wide spray pattern for



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easier target acquisition.

(a) (Description Source: <https://www.defense-technology.com/product/first-defense-1-3-mk-9-fogger-oc-aerosol/>)

(b) Previous quantity: 28

(c) Current quantity: 6

(d) Proposed annual procurement quantity: 0

(e) Previous cost: \$57.00 each

(f) Current cost: N/A

(g) Proposed annual procurement costs: \$0

- (16) DEFENSE TECHNOLOGY, FIRST DEFENSE 1.3% MK-46V STREAM OC AEROSOL, #43046 - The MK-46 features a trigger handle, is intended for use in crowd management and will deliver 26 short bursts of OC at an effective range of 25-30 ft. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff.

(a) (Description Source: <https://www.defense-technology.com/product/first-defense-1-3-mk-46v-stream-oc-aerosol/>)

(b) Previous quantity: 10

(c) Current quantity: 9

(d) Proposed annual procurement quantity: 0

(e) Previous cost: \$495.00 each

(f) Current cost: N/A

(g) Proposed annual procurement costs: \$0

b. Purpose

- (1) To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Approved situations for these less lethal weapon systems are:
- (a) Self-destructive, dangerous, or combative, individuals.
 - (b) Riot and 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.
- (2) There are other potential uses not defined here, however those uses shall be in compliance with "Legal and Procedural Rules" detailed below.

c. Authorized Use

- (1) Only officers who have received POST certification in the use chemical agents are authorized to use chemical agents.

d. Lifespan

- (1) 5 years from manufacturing date.

e. Fiscal Impact

- (1) Annual ongoing cost and projected acquisitions is \$3,410.

f. Training

- (1) Sworn members utilizing chemical agent canisters are certified by POST less lethal and chemical agents instructors.

g. Legal and Procedural Rules

- (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in Reference Manual 580.07 (Chemical Agent Manual) and Reference Manual 532.11 (First



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Amendment Assemblies Manual). It is the policy of the SPD to utilize chemical agents only for official law enforcement purposes, in accordance with the department's Use of Force Policy, and pursuant to State and Federal law, including the provisions of Penal Code § 13652.

13. Explosive Breaching Tools - Tools that are used to conduct an explosive breach.

a. Description, quantity, capabilities, and purchase cost

- (1) DYNNO NOBEL INC. PRIMACORD 10, 50 GRAIN DETONATING CORD – Dynno Nobel Inc. Primacord 10 (Part number A349030) PRIMACORD detonating cords are flexible linear explosives with a core of PETN explosive encased in a textile outer jacket.
 - (a) (Description Source: <https://www.dynonobel.com/~media/Files/Dynno/ResourceHub/Technical%20Information/North%20America/Initiation%20Systems/Detonating%20Cord/Primacord.pdf>)
 - (b) Previous quantity: 1,000 feet
 - (c) Current quantity: 1,397 feet
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$1.00 per foot
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (2) DYNNO NOBEL INC. BLASTING CAPS – NONEL® nonelectric delay detonator MS 1.1B units consist of a length of orange shock tube with a High Strength detonator attached to one end and the other end sealed. A white J-hook is affixed near the sealed end, providing easy means of connection to detonating cord. Easy-to-read, color-coded delay tags display the delay number and nominal firing time prominently.

NONEL MS is designed to provide in-hole time for underground (non-coal) and surface blast applications in the mining, quarry and construction industries and can be used in combination with a detonating cord trunkline, NONEL EZTL™, NONEL EZ DET® and/or NONEL TD detonators for maximum timing flexibility

 - (a) (Description Source: <https://www.dynonobel.com/practical-innovations/popular-products/blasting-caps>)
 - (b) Previous quantity: 90
 - (c) Current quantity: 70
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$17.64 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (3) ROYAL ARMS INTERNATIONAL ROYAL REMINGTON 870 EXPRESS BREACHING SHOTGUN – Royal Arms Breaching Shotgun starts out with the Remington 870 Express Synthetic 12 Ga Shotgun as its base. We then completely modify it with our custom CNC machined parts to be the ultimate Breaching Shotgun. Royal Arms invented the Breachers and Breaching shotguns. The Remington Express Synthetic model is a great option for those who don't need the upgraded performance of the Police model.
 - (a) (Description Source: <https://royalarms.com/shop/royal-remington-870-express-breaching-shotgun/>)
 - (b) Previous quantity: 5
 - (c) Current quantity: 5



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- (d) Proposed annual procurement quantity: 2 (Requesting conversion of existing inventory.)
 - (e) Previous cost: \$500.00
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (4) ROYAL ARMS INTERNATIONAL TESAR-2 BLACK CAP 425 GRAIN COPPER FRANGIBLE BREACHING ROUND – Black Cap 2-3/4” 425 Grain Compressed Copper Frangible 12 Ga Shotgun Slug. Defeats: Heavy locks, Dead-bolts and Hinges (Solid Oak – Steel Doors).
- (a) (Description Source: <https://royalarms.com/shop/black-cap-420-gr-copper-frangible-12-round-box/>)
 - (b) Previous quantity: 201
 - (c) Current quantity: 76
 - (d) Proposed annual procurement quantity: 125
 - (e) Previous cost: \$5.00 each
 - (f) Current cost: \$7.68 each
 - (g) Proposed annual procurement costs: \$960.00
- (5) ROYAL ARMS INTERNATIONAL TESC#3 GREEN CAP 375 GRAIN CLAYVON FRANGIBLE BREACHING ROUND – Green Cap 2-3/4” 375 Grain Clayvon® Frangible 12 Ga Shotgun Slug. Use: All Doors, Locks & Hinges. Defeats: All Locks, Cross-bolts and Hinges. (Hollow Core Doors – Light Steel doors)
- (a) (Description Source: <https://www.global-ordnance.com/product/tesc3-green-cap-375-gr-clayvon-frangible/>)
 - (b) Previous quantity: 11
 - (c) Current quantity: 11
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$5.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (6) ROYAL ARMS INTERNATIONAL TESAR-4 YELLOW CAP 750 GRAIN COPPER FRANGIBLE BREACHING ROUND – Yellow Cap 2-3/4” 750 Grain Copper/S-70 Steel Frangible 12 Ga Shotgun Slug. Use: For Class 3 heavy Steel Doors. Defeats: Class 2 Doors, Locks, and Hinge.
- (a) (Description Source: <https://royalarms.com/shop/coppers70-steel-750-grain-12-round-box/>)
 - (b) Previous quantity: 12
 - (c) Current quantity: 12
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$5.00 each
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (7) ROYAL ARMS INTERNATIONAL HP CUTTER 12 GAUGE HOLLOW POINT REBAR CUTTER BREACHING ROUND – Silver Cap 2-3/4” 450 Grain Hardened Steel Slug NON-Frangible 12 Ga Shotgun Slug. Use: Cuts re-bar, penetrate security glass, car doors, punches into engine blocks.
- (a) (Description Source: <https://royalarms.com/shop/12-ga-hollow-point-rebar-cutter-round/>)
 - (b) Previous quantity: 24
 - (c) Current quantity: 0
 - (d) Proposed annual procurement quantity: 45



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- (e) Previous cost: \$6.00 each
- (f) Current cost: \$9.33 each
- (g) Proposed annual procurement costs: \$419.85
- (8) ROYAL ARMS INTERNATIONAL FB-82H 12 GAUGE 82 GRAIN FLASH BANG HARD BREACHING ROUND - Designed as a Less Lethal / Diversionary Round 185 dB can Breach solid wood doors, light Steel, sliders, Car windows and use in crawl spaces. Use: Diversionary / Disorientation / Breaching / Crowd Control. Hearing Protection MUST be worn by team. Only to be used in 21" or shorter cylinder bore barrel (RAI recommends use of a standoff).
 - (a) (Description Source: <https://royalarms.com/shop/fb82h-12-ga-flash-bang-hard/>)
 - (b) Previous quantity: 71
 - (c) Current quantity: 61
 - (d) Proposed annual procurement quantity: 10
 - (e) Previous cost: \$5.00 each
 - (f) Current cost: \$8.04 each
 - (g) Proposed annual procurement costs: \$80.40
- (9) ROYAL ARMS INTERNATIONAL MB-70S 12 GAUGE MUZZLE BLAST FLASH BANG SOFT BREACHING ROUND - Less Lethal / Diversionary Round 170 dB will Breach Windows, Sliders, Car windows, Light Wood Doors / Interior Doors. Use: Diversionary / Disorientation / Breaching / Crowd Control. Hearing Protection MUST be worn by team. Only to be used in 21" or shorter Cylinder bore Barrel (RAI recommends use of a standoff).
 - (a) (Description Source: <https://royalarms.com/shop/12-ga-82-grain-flash-bang-soft-12-rnds-per-box/>)
 - (b) Previous quantity: 29
 - (c) Current quantity: 0
 - (d) Proposed annual procurement quantity: 45
 - (e) Previous cost: \$6.00
 - (f) Current cost: \$6.77
 - (g) Proposed annual procurement costs: \$304.65
- b. Purpose
 - (1) To safely gain entry into a structure. Any use of explosive breaching tools shall be in compliance with "Legal and Procedural Rules" detailed below.
- c. Authorized Use
 - (1) Explosive breaching may only occur after authorization by the incident commander or SWAT commander in the field, and during training exercises.
- d. Lifespan
 - (1) Royal Arms International Royal Remington 870 Breaching Shotgun - 25 years.
 - (2) Dyno Nobel Inc. Blasting Caps - 10 years.
 - (3) Dyno Nobel Inc. Primacord 10, 50 Grain Detonating cord - 10 years.
 - (4) Royal Arms International Tesar-2 black cap 425 grain copper breaching round - 5 years.
 - (5) Royal Arms International Tesar-3 green cap 375 grain clayvon frangible breaching round - 5 years.
 - (6) Royal Arms International Tesar- 4 yellow cap 750 grain copper frangible breaching round - 5 years.
 - (7) Royal Arms International HP cutter 12 Gauge hollow point rebar cutter breaching round - 5 years.



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- (8) Royal Arms International FB-82H 12 Gauge 82 grain flash bang hard core breaching round - 5 years.
 - (9) Royal Arms International MB-70S 12 Gauge muzzle blast flash bang soft breaching round - 5 years.
 - e. Fiscal Impact
 - (1) Annual ongoing cost and projected acquisitions is \$2,982.
 - f. Training
 - (1) All officers who use explosive breaching tools shall attend 40 hours of explosive breaching instruction and must additionally receive quarterly training for explosive operations.
 - g. Legal and Procedural Rules
 - (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force), 580.04 (Firearms), 580.15 (SWAT) and 580.16 (SWAT Diversionary Devices). It is the policy of the SPD to utilize breaching tools only for official law enforcement purposes, and pursuant to State and Federal law including the provisions of Penal Code § 13652.
14. PepperBall Launcher - A device that discharges irritant projectiles.
- a. Description, quantity, capabilities, and purchase cost
 - (1) PEPPERBALL VKS CARBINE – 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.
 - (a) (Description Source: <https://pepperball.com/launchers/>)
 - (b) Previous quantity: 61
 - (c) Current quantity: 70
 - (d) Proposed annual procurement quantity: 6 (SPD Evidence & Property Division is requesting approval to replace 6 old launchers with 6 new launchers. With this exchange, PepperBall will provide SPD with 18 boxes of PepperBall VXR Live-X Projectiles (50 per box) at no cost.)
 - (e) Previous cost: \$1,300.00
 - (f) Current cost: \$1,349.00
 - (g) Proposed annual procurement costs: \$8,094.00
 - (2) PEPPERBALL LIVE PROJECTILE, cost: \$2 per projectile, quantity 4 containers of 375. The classic PepperBall projectile. Contains 2% PAVA, and is excellent for direct impact and area saturation, especially in confined, interior spaces.

Discharged from a PepperBall Launcher, the projectile has a velocity of 280-350 FPS. The projectile has a direct impact of 60 ft and an area of saturation of 150+ ft.

 - (a) (Description Source: <https://pepperball.com/projectiles/pepperball-live/>)
 - (b) Previous quantity: 8 containers (of 375 projectiles)
 - (c) Current quantity: 5 containers (of 375 projectiles)
 - (d) Proposed annual procurement quantity: 0



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- (e) Previous cost: \$2.00 per projectile
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (3) PEPPERBALL LIVE-X PROJECTILE - Our most potent and powerful concentration of PAVA pepper powder. At 5% PAVA, a LIVE-X™ round contains double the amount of PAVA organic irritant of a regular PepperBall® LIVE SD™ round.

One round of LIVE-X contains the equivalent to 10 PepperBall rounds. Discharged from a PepperBall Launcher, the projectile has a velocity of 280-350 FPS. The projectile has a direct impact of 60 ft and an area of saturation of 150+ ft.

- (a) (Description Source: https://shop.pepperball.com/products/pepperball-live-x?_pos=4&_sid=372811c87&_ss=r)
 - (b) Previous quantity: 8 containers (of 375 projectiles)
 - (c) Current quantity: 4 containers (of 375 projectiles)
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$3.00 per projectile
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0
- (4) PEPPERBALL VXR LIVE-X PROJECTILE – The VXR Live-X Projectile is a non-lethal round. The projectile contains approximately 10x the PAVA of the VXR LIVE projectile. This projectile is best for direct impact or area saturation. Discharged from a PepperBall Launcher, the projectile has a velocity of 280-425 FPS. The projectile has a direct impact of 150 ft and an area of saturation of 390+ ft. The projectile contains 2.5% PAVA powder.
- (a) (Description Source: <https://pepperball.com/projectiles/vxr-live-x/>)
 - (b) Previous quantity: 13 containers (of 150 projectiles)
 - (c) Current quantity: 28.5 boxes (of 50 projectiles)
 - (d) Proposed annual procurement quantity: 60 boxes (of 50 projectiles)
 - (e) Previous cost: \$3.00 per projectile
 - (f) Current cost: \$179.80 per box (of 50 projectiles)
 - (g) Proposed annual procurement costs: \$10,788.00
- (5) PepperBall VXR LIVE PROJECTILE. Discharged from a PepperBall Launcher, the projectile has a velocity of 280-425 FPS. The projectile has a direct impact of 150 ft and an area of saturation of 390+ ft. The projectile contains 0.25% PAVA powder. This item is no longer manufactured.
- (a) (Description Source: <https://apdistributor.com/pepperball-vxr-live-powder-projectiles>)
 - (b) Previous quantity: 9 containers (of 150 projectiles)
 - (c) Current quantity: 9 containers (of 150 projectiles)
 - (d) Proposed annual procurement quantity: 0
 - (e) Previous cost: \$594.00 per container (of 150 projectiles)
 - (f) Current cost: N/A
 - (g) Proposed annual procurement costs: \$0

b. Purpose

- (1) To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Approved situations for this less lethal weapon systems are:
 - (a) Self-destructive, dangerous, or combative, individuals.



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- (b) Riot and 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.
- (2) There are other potential uses not defined here, however those uses shall be in compliance with "Legal and Procedural Rules" detailed below.
- c. Authorized Use
 - (1) Only those officers who have been trained in the use of PepperBall launchers are authorized to use the PepperBall launchers.
- d. Lifespan
 - (1) PepperBall VKS Carbine - 20 years.
 - (2) PepperBall Live Projectile - 3 years.
 - (3) PepperBall Live-X Projectile - 3 years.
 - (4) PepperBall VXR Live-X Projectile - 3 years.
 - (5) PepperBall VXR Live Projectile - 3 years.
- e. Fiscal impact
 - (1) Annual ongoing cost and projected acquisitions is \$22,600.
- f. Training
 - (1) Sworn members utilizing PepperBall launchers and projectiles are trained in their use by POST certified less lethal and chemical agents instructors.
- g. Legal and Procedural Rules
 - (1) The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force) and 580.12 (Less Lethal Weapons Systems), Reference Manual 580.07 (Chemical Agent Manual) and Reference Manual 532.11 (First Amendment Assemblies Manual). It is the policy of the SPD to utilize PepperBall only for official law enforcement purposes, and pursuant to State and Federal law, including the provisions of Penal Code § 13652.