

Assembly Bill 481 (AB 481)



Prepared by:

Tehama County Sheriff's Office

SUMMARY

Assembly Bill 481 (AB 481), the Law Enforcement and State Agencies Military Equipment Funding, Acquisition, and Use Act, was signed into law and became effective on January 1, 2022. AB 481 requires law enforcement agencies to obtain approval from their governing bodies before purchasing, raising funds for, or acquiring military equipment, by any means, including surplus military equipment from the federal government.

Law enforcement agencies are also required to seek governing body approval before collaborating with another law enforcement agency in the deployment or use of military equipment within the governing body's territorial jurisdiction or before using any new military equipment for a purpose, in a manner, or by a person not previously approved by the governing body.

The Act defines the governing body as “the elected body that oversees a law enforcement agency or, if there is no elected body that directly oversees the law enforcement agency, the appointed body that oversees a law enforcement agency. In the case of a law enforcement agency of a county, including a sheriff’s department or a district attorney’s office, “governing body” means the board of supervisors of the county.”

AB 481 requires a law enforcement agency seeking to continue the use of any military equipment acquired prior to January 1, 2022, to commence a governing body approval process no later than May 1, 2022, and the adoption of a use policy within 180 days following submission of the use policy or cease the use of the military equipment until it receives approval of the governing body.

In considering the proposed Military Equipment Use Policy, the governing body must place the proposed policy as an agenda item for an open session of a regular meeting and provide for public comment in accordance with the Bagley-Keene Open Meeting Act.

Before seeking the governing body's approval, a law enforcement agency shall make its proposed equipment use policy and any supporting documents available on its internet website at least 30 days prior to any public hearing concerning the military equipment at issue.

The governing body, as part of its approval process, must determine the following:

1. Military equipment is necessary because there is no reasonable alternative that can achieve the same objective of officer and civilian safety.
2. The proposed Military Equipment Use Policy will safeguard the public’s welfare, safety, civil rights, and civil liberties.
3. If purchasing the equipment, the equipment is reasonably cost-effective compared to available alternatives that can achieve the same objective of officer and civilian safety.
4. Prior military equipment use complied with the Military Equipment Use Policy that was in effect at the time, or if prior uses did not comply with the accompanying Military Equipment Use Policy, corrective action has been taken to remedy nonconforming uses and ensure future compliance.

ANALYSIS

The Tehama County Sheriff's Office retains and employs various equipment that falls within AB 481's definition of "military equipment." The equipment is maintained and in place, so the Tehama County Sheriff's Office can safely achieve its mission to safeguard and protect the communities within Tehama County and those who pass through our area of responsibility.

The mere possession of this equipment does not warrant its use for every incident, nor has the Sheriff's Office been accused recently or in the past decade of indiscriminate use of this type of equipment.

The Sheriff's Office recognizes that critical incidents are unpredictable, often fluid, and dynamic in nature. The Sheriff's Office prides itself on its training, use of best practices, and forward-thinking in technology and the tools it acquires and utilizes in its mission for the safety of its personnel and the safety of community members, and visitors alike.

The use of all equipment, not just "military equipment," is predicated on the mission of the Sheriff's Office, policy, training, law, the safety of our deputies, and the safety of our communities. Deputies and incident commanders alike are influenced by the totality of the circumstances, public safety, civil rights, and all available information at the time of a critical incident or disaster and the desire to bring that incident to a safe resolution.

Assembly Bill 481 (AB 481)

AB 481 is intended to increase transparency, accountability, and oversight surrounding the acquisition and use of military equipment by state and local law enforcement. AB 481's definition of "military equipment" was much more than armored vehicles, large-caliber firearms, explosive projectile launchers, explosive breaching tools, and "flashbang" devices (light and sound diversionary devices).

AB 481 speaks to the acquisition of military equipment by any means, including the 1033 Federal Surplus Property Program (1033 Program) and the purchase of military equipment using grants or County funding.

It requires the Sheriff's Office to seek approval from the Board of Supervisors through an Ordinance and the adoption of a Military Equipment Use Policy, which must address a number of specific topics, including the type, quantity, capabilities, purposes, and authorized uses of each type of military equipment, the fiscal impact of their acquisition and use, the legal and procedural rules that govern their use, the training required by any deputy allowed to use them, the policies in place to ensure policy compliance, and the procedures by which the public may register complaints.

The Board of Supervisors must consider the proposed Military Equipment Use Policy in open session and may only approve a Military Equipment Use Policy if it makes various findings regarding the necessity of the military equipment and the lack of reasonable alternatives.

If the Military Equipment Use Policy is approved, the Tehama County Sheriff's Office must submit an annual report to the Board of Supervisors. The report must contain specific information, including the equipment's uses, any complaints received, any internal audits or other information about violations of the Military Equipment Use Policy, and the cost of such use.

The Tehama County Sheriff's Office staff have reviewed AB 481, its definition of military equipment, and the requirements of the legislation. Based on this review, the Sheriff's Office has determined that it retains and utilizes equipment defined as military equipment.

The Tehama County Sheriff's Office does participate in and has acquired equipment under the 1033 Federal Surplus Property Program.

AB 481 designated the following 15 categories of items as military equipment:

1. Unmanned, remotely piloted, powered aerial or ground vehicle.
2. Mine-resistant ambush-protected vehicles or armored personnel carriers.
3. High mobility multi-purpose wheeled vehicles (HMMWV), two-and-one-half-ton trucks, five-ton trucks, or wheeled vehicles that have a breaching or entry apparatus.
4. Tracked armored vehicles that provide ballistic protection to their occupants.
5. Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units.
6. Weaponized aircraft, vessels, or vehicles of any kind.
7. Battering rams, slugs, and breaching apparatuses that are explosive in nature.
8. Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition.
9. Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code 30510 and Penal Code 30515, with the exception of standard-issue firearms.
10. Any firearm or firearm accessory that is designed to launch explosive projectiles.
11. Noise-flash diversionary devices and explosive breaching tools.
12. Munitions containing tear gas or O.C., excluding standard, service-issued hand-held pepper spray.
13. TASER® Shockwave, microwave weapons, water cannons, and long-range acoustic devices.
14. Kinetic energy weapons and munitions.
15. Any other equipment as determined by a governing body or a state agency to require additional oversight.

The Tehama County Sheriff's Office maintains and utilizes equipment in categories 1, 2, 3, 5, 8, 9, 11, 12, and 14.

Each of the Sheriff's Office policies requires deputies to be trained in using this equipment and be certified before its use. In addition to the initial training, annual reoccurring training, and/or qualification are required in most categories.

Categories and Descriptions	Ops	Jail	Total
Category 1 - Unmanned, remote Piloted, Powered Aerial or Ground Vehicles			
<i>DJI Mini Mavic 2 drone</i>	1	0	1
<i>SwellPro SplashDrone 4 with waterproof cameraGC3-S (boating drone)</i>	1	0	1
<i>DJI Avata drone</i>	1	0	1
Category 2 - Mine-resistant ambush-protected vehicles or armored personnel carriers			
<i>Caiman MRAP 6-wheel armored vehicle and high-water vehicle</i>	1	0	1
Category 3 – wheeled vehicles that have a breaching or entry apparatus.			
<i>Lenco BearCat G3 armored vehicle with ram attachment</i>	1	0	1
Category 5 - Command and Control Vehicles that are either built or modified to facilitate operational control and direction of public safety units			
<i>Command Post - Vehicle</i>	1	0	1
Category 8 - Firearms and Ammunition of .50 caliber or greater, excluding standard issue shotguns and standard issue shotgun ammunition			
<i>Defense Technology LMT 40mm Single Shot Launcher</i>	1	2	3
<i>Combined Systems Inc (Penn Arms) 40mm Single Shot Launcher, Model L140C</i>	6	0	6
Category 9 - Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code 30510 and Penal Code 30515, with the exception of standard-issue firearms.			
<i>Colt CR6933 EPR 5.56mm rifle</i>	10	0	10
<i>Colt R0933 EPR 5.56mm rifle</i>	10	0	10
<i>Colt LE6933 EPR 5.56mm rifle</i>	10	0	10
<i>Misc AR-15 Style Rifles (Various Makes/Models) 5.56mm/.223 cal (evidence seizures, phased out)</i>	23	0	23
Category 11 - Noise-Flash Diversionary Devices and Explosive Breaching Tools			
<i>Def-Tec Low Roll Distraction Device Model 8902NR</i>	9	0	9
<i>CTS Flash Bang Model 7290</i>	11	0	11
Category 12 - Munitions Containing Tear Gas or OC Excluding Standard Service Issued Hand-Held Pepper Spray			
<i>Def-Tec 40mm Direct Impact Munition (OC)</i>	0	13	13
<i>CTS 40mm Direct Impact Munition, Foam Baton round</i>	40	17	57
<i>CTS 40mm OC Impact Munition</i>	25	0	25
<i>Def-Tec 40mm Direct Impact Munition (CS)</i>	0	17	17
<i>Def-Tec MK-9 Pepper Spray (OC) Canisters, With Wands</i>	0	3	3
<i>CTS Aerosol Grenade (OC, vapor)</i>	0	10	10
<i>Defense Technology Flameless Tri-Chamber (CS) Pyro/Grenade</i>	14	0	14
<i>Defense Technology Riot Control (CS) Pyro/Grenade</i>	7	0	7
<i>Defense Technology Pocket Tactical (CS) Pyro/Grenade</i>	4	0	4
<i>Defense Technology Aerosol OC/CS Liquid/Grenade</i>	3	0	3
<i>Defense Technology Flameless Tri-Chamber (HC) Pyro/Grenade</i>	1	0	1
<i>Defense Technology Barricade Penetrating Projectile (CS) Liquid/Ferret</i>	5	0	5
<i>Defense Technology Barricade Penetrating Projectile (OC) Liquid/Ferret</i>	16	0	16
<i>Defense Technology Barricade Penetrating Projectile (OC) Powder/Ferret</i>	6	0	6
<i>Defense Technology Barricade Penetrating Projectile (CS) Powder/Ferret</i>	9	0	9
<i>CST-Combined Systems Barricade Projectile (CS) Powder/Ferret</i>	40	0	40
<i>Pepper Ball Rounds (live, live X OC impact rounds)</i>	0	925	925
<i>VXR Shaped Projectile (inert, impact, training)</i>	0	990	990
<i>VXR Shaped Projectile (Live X OC impact rounds)</i>	0	350	350
Category 14 - Kinetic Energy Weapons and Munitions			
<i>Pepper Ball Rounds (training, impact, inert)</i>	0	2725	272
<i>Def-Tec/LMT 40mm Launcher, Single Shot</i>	1	2	3
<i>VKS Pepper Ball Launcher</i>	0	2	2
<i>CTS Super Sock Bean Bag Rounds Model 2581</i>	100	0	100
<i>Serbu Super-Shorty Less Lethal 12 Gauge Shotgun</i>	2	0	2
<i>Remington Model 870 12 Gauge Shotgun</i>	34	0	34
<i>Defense Technology Exact Impact 40mm Ferret Round</i>	6	0	6

EQUIPMENT

CATEGORY 1 – UNMANNED, REMOTE PILOTED, POWERED AERIAL OR GROUND VEHICLES

Type: DJI Mini Mavic 2 drone

Quantity: One

Cost: \$400

No annual cost other than the price of parts, if needed.

Lifespan: 2-4 years

Capability: The DJI Mini Mavic 2 is a remote piloted drone with 30 minutes battery power, capable of live video capture that can be displayed to the pilot.

Manufacturer Description: The DJI Mini Mavic 2 is a 12MP camera in the sky, delivers content guaranteed to impress. Along with 4K/30fps video and a 3-axis motorized gimbal, Mini 2 ensures stunning image quality that is consistently smooth no matter how adventurous your piloting gets.



Purpose: Digital still pictures and video can be recorded remotely for evidence purposes, search and rescue operations and disaster scope intelligence.

Legal: Lexipol Policy 611 – Unmanned Aerial System (UAS). The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training:

Sheriff's employees must meet the unmanned aerial vehicle requirements set forth by FAA and the Sheriff's Office policy and procedures to fly.

Type: SwellPro SplashDrone 4 With GC3-S Camera

Quantity: One

Cost: \$3,352.93

No annual cost other than the price of parts, if needed.

Lifespan: 2-4 years

Capability: The SplashDrone 4 with GC3-S camera is a waterproof drone and camera system that can be used to locate missing boaters, equipment, objects underwater and capture flooding in real time to assist in evacuation and flood response.

Manufacturer Description: SplashDrone 4 is SwellPro's 5th generation waterproof

drone. It is designed to carry waterproof 4K gimbal cameras for professional-grade photo and video in various wet environments, whether it's above-water or in-water, rain or blizzard. SplashDrone 4 empowers water enthusiasts and nature lovers to capture their dream shots that were considered impossible with total peace of mind.

Purpose: Digital still pictures and video can be recorded remotely for evidence purposes, search and rescue operations and disaster scope intelligence.

Legal: Lexipol Policy 611 – Unmanned Aerial System (UAS). The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training:

Sheriff's employees must meet the unmanned aerial vehicle requirements set forth by FAA and the Sheriff's Office policy and procedures to fly.



Type: DJI Avata

Quantity: One

Cost: \$629.00

No annual cost other than the price of parts, if needed.

Lifespan: 2-4 years

Capability: The DJI Avata is a remote piloted drone with about 20 minutes of hover time, capable of live video capture that can be displayed to the pilot.



Manufacturer Description: Compact and lightweight, DJI Avata is nimble in tight spaces. Every aspect of its design was made for you to be bold. The built-in propeller guard means that if Avata comes in contact with an object, it can bounce back, stay in the air, and can keep on flying.

Purpose: Drone will be used primarily for clearing structures and locations for SWAT, to provide real time intelligence gathering, provide for deputy safety. It will limit exposures to threats, drastically reducing risk to operators.

Legal: Lexipol Policy 611 – Unmanned Aerial System (UAS). The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training:

Sheriff's employees must meet the unmanned aerial vehicle requirements set forth by FAA and the Sheriff's Office policy and procedures to fly.

CATEGORY 2 – MINE-RESISTANT AMBUSH-PROTECTED VEHICLES OR ARMORED PERSONNEL CARRIERS

Type: Lenco BearCat G3

Quantity: One

Cost: \$295,824 (asset forfeiture purchase)

No annual cost other than the price of parts, if needed.

Lifespan: 80,000-100,000 miles

Capability: The 2017 Lenco BearCat G3 is an armored rescue vehicle, equipped with 4-wheel drive, detachable front mounted breaching ram and a gas/OC injector pump. The BearCat is armored to protect deputies and responding peace officers to high-risk incidents, high risk search warrants and officer down rescues.

Manufacturer Description: 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 were standard armored SWAT vehicles would experience challenges. Available with mission-specific design features for Police and Government, Medical and Fire Response.

All Steel Armor Construction, High Ballistic Protection, V8 Turbo Diesel Engine, 4x4

Purpose: The BearCat is the primary response vehicle for the County wide SWAT team. The BearCat is used for high-risk response calls and high-risk search warrant service. The BearCat armored rescue vehicle is designed to provide safety to peace officers and the community by providing a movable barricade during active shooter rescue and recovery operations.

Legal: Lexipol Policy 706 – Vehicle Use. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training:

Class "C" driver license and department operations overview



Type: BAE Systems Caiman CMTV MRAP

Quantity: One

Cost: Starts at \$400,000 (was acquired for \$0.00, less transportation costs, through the LESO/1033 program)

No annual cost other than the price of parts, if needed.

Lifespan: 80,000-100,000 miles

Capability: The Caiman CMTV wheeled armored rescue vehicle provides greater safety to citizens and deputies beyond the protection of ballistic shields and personal body armor. It can also traverse flooded terrain for high water rescues or difficult to access areas due to a high ground clearance.



Manufacturer Description: The BAE Systems Caiman CMTV wheeled armored vehicle provides greater levels of survivability and mobility to navigate challenging and unpredictable environments. Caiman CMTV integrates new technology to ensure the large and armored protected interior is optimal for a variety of missions including 10-person transport, a four-litter ambulatory system with attendant, and command and control on the move options.

Purpose: To respond to critical incidents to enhance deputy and community safety, improve scene containment and stabilization, to assist in resolving critical incidents, to rescue persons at risk or injured during critical incidents (active shooter). The caiman CMTV also responds to natural disasters, including floods or other emergencies where a high ground clearance is required.

Legal: Lexipol Policy 706 – Vehicle Use. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training:

Class “B” or “A” driver license and department operations overview

CATEGORY – 5 COMMAND AND CONTROL VEHICLES THAT ARE EITHER BUILT OR MODIFIED TO FACILITATE OPERATIONAL CONTROL AND DIRECTION OF PUBLIC SAFETY UNITS

Type: Command Vehicle – 2004 35-foot Motorhome

Quantity: One

Cost: \$161,411.25 (Homeland Security Grant)

Annual maintenance cost is estimated between \$0 and \$1,000 annually.

Lifespan: 80,000-100,000 miles

Capability: A vehicle used as a mobile office that provides shelter, access to department radio systems, and restroom facilities during extended large pre-planned events, natural disasters, searching for missing persons, and community events.

Manufacturer Description: This is a standard 35-foot 2004 motorhome developed as a command vehicle. There is no specific manufacturer description.

Purpose: The command vehicle is used as an onsite incident command post during events and incidents. The command vehicle is utilized as a remote command center in the event of the loss of our primary dispatch center.

Legal: Lexipol Policy 706 – Vehicle Use. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: No additional training. Class “C” license.



CATEGORY 8 – FIREARMS AND AMMUNITION OF .50 CALIBER OR GREATER, EXCLUDING STANDARD-ISSUE SHOTGUNS AND STANDARD-ISSUE SHOTGUN AMMUNITION

Type: Defense Technology 40mm LMTS Single Shot Launchers

Quantity: 3

Cost: Approximately \$1,098.05

Annual maintenance is estimated to be \$0 to \$25.

Lifespan: 25 years

Capability: A single shot 40mm launcher system capable of delivering multiple types of less lethal impact and chemical munitions at a distance.

Manufacturer Description: Manufactured exclusively for Defense Technology, the 40LMTS is a tactical single shot launcher that features an expandable ROGERS Super Stoc 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. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.

Purpose: Provides a reliable, single shot less lethal delivery platform that can fire multiple types of rounds as an option to de-escalate a potentially dangerous/deadly situation, with a reduced potential for death or serious injury to all persons involved.



It is accepted that the probability exists for bodily harm to occur. However, it must also be accepted that the application of such force may be the only alternative to using lethal force to stop the subject's actions. Situations when the deployment of less-lethal munitions are authorized, but not limited to include self-destructive, dangerous, and/or combative individuals, barricaded suspects and riot control.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Specific deputies are trained as 40mm launcher operators and receive training to safely deploy and operate the single round launcher through in-house instruction. Deputies deploying a 40mm less lethal launcher have completed all necessary training and demonstrated proficiency in its use. Instructors teach a standardized curriculum to address impact and chemical munitions use.

Type: Combined Systems Inc, Model L140C 40mm Single Shot Launchers

Quantity: 6

Cost: Approximately \$1,098.05

Annual maintenance is estimated to be \$0 to \$25.

Lifespan: 25 years

Capability: A single shot 40mm launcher system capable of delivering multiple types of less lethal impact and chemical munitions at a distance.

Manufacturer Description: PENN ARMS (Combined Systems Inc) has set the standard for less-lethal launchers worldwide for over 20 years. Our patented designs are small, lightweight, and operationally versatile. Constructed out of the highest grade of materials to a high standard of quality, PENN ARMS is Dedicated To Your Mission.

Purpose: Provides a reliable, single shot less lethal delivery platform that can fire multiple types of rounds as an option to de-escalate a potentially dangerous/deadly situation, with a reduced potential for death or serious injury to all persons involved.



It is accepted that the probability exists for bodily harm to occur. However, it must also be accepted that the application of such force may be the only alternative to using lethal force to stop the subject's actions. Situations when the deployment of less-lethal munitions are authorized, but not limited to include self-destructive, dangerous, and/or combative individuals, barricaded suspects, and riot control.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Specific Deputies are trained as 40mm launcher operators and receive training to safely deploy and operate the single round launcher through in-house instruction. Deputies deploying a 40mm less lethal launcher have completed all necessary training and demonstrated proficiency in its use. Instructors teach a standardized curriculum to address impact and chemical munitions use.

CATEGORY 9 – SPECIALIZED FIREARMS AND AMMUNITION OF LESS THAN .50 CALIBER, INCLUDING FIREARMS AND ACCESSORIES IDENTIFIED AS ASSAULT WEAPONS IN PENAL CODE 30510 AND PENAL CODE 30515, WITH THE EXCEPTION OF STANDARD-ISSUED FIREARMS.

Type: Colt CR6933 EPR 5.56mm, Colt R0933 EPR 5.56mm and Colt LE6933

5.56mm Patrol Rifles

Quantity: 30

Cost: Approximately \$1,600.00 each
Annual maintenance is estimated to be \$0 to \$125.

Lifespan: 25 years

Capability: Rifles are to be used as precision weapons to address a threat with more precision and/or greater distance than a handgun is capable of; to defeat body armor; to meet or exceed a suspect's firepower in deadly encounters. Personnel are capable of choosing patrol rifles when personnel reasonably anticipate an armed encounter, during hostage situations and if a suspect is barricaded.

Manufacturer Description: Built for the demanding use of those who protect our communities every day, the Colt Enhanced Patrol Rifle (EPR) is the next evolution in the world's most dependable, thoroughly field-tested patrol rifle. Featuring an extended handguard that accepts modular rail segments for mounting a wide variety of pro-grade optics, lighting, and ergonomics-enhancing accessories, as well as the highly durable Magpul® MBUS® Pro Series front and rear back up sights and B5 Bravo buttstock. The Colt EPR reestablishes the Colt AR-15® as the finest tool for local, regional, and national law enforcement agencies.

Purpose: To provide deputies with better range, accuracy and capacity when dealing with deadly threats, suspects in body armor, hostage situations and barricaded suspect incidents.



Legal: Lexipol Policy 312 – Firearms, Lexipol Policy 432 - Patrol Rifles. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Before use, Deputies must attend a short barreled rifle operator course conducted by POST-certified instructors (16 hours minimum, POST Commission Regulation 1081). Deputies must regularly qualify with the rifle to carry the rifle during regular patrol operations.

Type: OSS Helix Suppressor, Model HX-QD TI, 5.56mm

Quantity: 10

Cost: Approximately \$1,000.00 each
Annual maintenance is estimated to be \$0 to \$125.



Lifespan: 25 years

Capability: OSS Helix Suppressors provide deputies with less hearing impact when rifles are in use at the range and during real world operations. Suppressors reduce, but do not eliminate rifle noise.

Manufacturer Description: The OSS HX-QD 556mm is the optimal choice for the widest range of 5.56 caliber rifles. Focusing strongly on a maximum sound performance, the HX-QD 556 is ideal for shooters who are more concerned with maximum suppression over size and weight.

Purpose: To provide hearing safety for short barreled rifle operators, to reduce the chance of a suspect to locate responding officers during a deadly force encounter.

Legal: Lexipol Policy 312 – Firearms. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Before use, Deputies must attend a short barreled rifle operator course conducted by POST-certified instructors.

CATEGORY 11 – NOISE-FLASH DIVERSIONARY DEVICES AND EXPLOSIVES BREACHING TOOLS

Type: Defense Technologies Low Roll 11-gram Non-Reloadable Distraction Device Model #8902NR

Quantity: 9

Cost: \$48 per device
Estimated annual costs \$1,000 (UCSF)

Lifespan: Five years

Capability: A less-lethal explosive device that emits an extremely loud bang and bright lights to disorient people as it goes off.

Manufacturer Description: The Non-Reloadable Distraction Device unit incorporates an M201A1 type fuse with hex design gun steel body. This is a compact version of the 8933. Low Roll body Distraction Device is the newest version of the first reusable non-bursting canister that limits movement and rolling once deployed. The compact Distraction Device fits safely in your hand and packs all the power of the full-sized Distraction Device. This is a smaller, lighter device with the same output.



Purpose: Used during critical incidents as a diversionary device to disorient. A distraction device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry, or other high-risk arrest situations. To produce atmospheric overpressure and brilliant white light and, as a result, can cause short-term (6-8 seconds) physiological/psychological, sensory deprivation to give Deputies a tactical advantage.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Before use, Deputies must attend diversionary device training conducted by POST-certified instructors.

Type: CTS Distraction Device Model #7290

Quantity: 11

Cost: \$48 per device

Estimated annual costs \$1,000 (UCSF)

Lifespan: Five years

Capability: A low explosive device that emits heat, light and sound by means of deflagration, also known as a distraction device. Used to disorient people in tactical situations for Deputy and civilian safety.

Manufacturer Description: The CTS 7290 is the standard for diversionary flash-bang devices. The 7290 produces a 165-180db and 6-8 million candela of light output. The patented design of the 7290, incorporates a porting system that eliminates movement of the body at detonation even if the top or bottom of the device should be in contact with a hard surface. In addition, internal adjustments have greatly reduced smoke output.

Flash Bangs are used by special tactical units during hostage rescue and high-risk warrants. It is an ATF-controlled Class-C explosive device that emits a bright light and thunderous noise to distract potentially dangerous individuals.

Purpose: Used during critical incidents as a diversionary device to disorient. A distraction device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry, or other high-risk arrest situations. To produce atmospheric overpressure and brilliant white light and, as a result, can cause short-term (6-8 seconds) physiological/psychological, sensory deprivation to give Deputies a tactical advantage.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 –



Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Before use, Deputies must attend divisionary device training conducted by POST-certified instructors.

CATEGORY 12 – MUNITIONS CONTAINING TEAR GAS OR O.C., EXCLUDING STANDARD, SERVICE-ISSUED HAND-HELD PEPPER SPRAY

Type: VXR Shaped Oleoresin Capsicum (OC) Projectiles

Quantity: 350

Cost: \$172.79 for a 50 count
Annual costs \$0 to \$2,000.

Lifespan: Shelf life of three years



Capability: To compel individuals to cease their actions when such munitions present a reasonable option. Effective range up to 150 feet.

Manufacturer Description:

The VXR LIVE-X projectile offers greater distance and accuracy when compared to a standard round ball projectile. Best suited for direct impact, area saturation and crowd control situations.

This projectile is intended as an irritant for individual suspects, point-specific targets or small-area denial. The active ingredient is 0.5% PAVA/OC in a powder form for ease of storage, deployment and clean-up. (The name "PAVA" stands for Pelargonic Acid Vanillyl Amide, also called Nonivamide, and is the organic compound characteristically in natural chili pepper).

Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All department personnel utilizing VXR launchers and projectiles are trained in their use by POST/STC (Standards and Training in Corrections)-certified less-lethal and/or chemical agent instructors.

Type: CTS 40mm Direct Impact OC Munition Model #4556 (OC)

Quantity: 25

Cost: Approximately \$30.50 - \$32.00 each
Annual costs \$0 to \$2,100.

Lifespan: Five years from the date of manufacture

Capability: The 40mm Impact OC Round provides accurate and effective performance when fired from the approved distance of not less than five feet and as far as 150 feet from the target.

Manufacturers Description: Spin-stabilized projectiles that deliver multi-effects of blunt trauma and dispersal of marking powder on and around the target. Although it is extremely accurate and consistent, accuracy is dependent on the launcher, using open sights vs. an improved sight environmental conditions, and the operator. Effectiveness depends on many variable; such as distance, clothing, stature, and the point where the projectile impacts.



Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All department personnel utilizing 40mm launchers and projectiles are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: CTS 40mm Direct Impact Foam Baton Munition Model #4557

Quantity: 40

Cost: Approximately \$30.50 - \$32.00 each
Annual costs \$0 to \$1,056.

Lifespan: Five years from the date of manufacture

Capability: The 40mm Direct Impact Sponge Baton Round provides accurate and effective performance when fired from the approved distance of not less than five feet and as far as 150 feet from the target.



Manufacturers Description: Sponge Baton is a spin-stabilized projectile delivering blunt trauma effect. Although it is extremely accurate and consistent, accuracy is dependent on the launcher, using open sights vs. an improved sight, environmental conditions, and the operator. Effectiveness depends on many variables, such as distance, clothing, stature, and the point where the projectile impacts.

Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing 40mm launchers and projectiles are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: FTC PAVA Capsaicin Rounds

Quantity: 925

Cost: Approximately \$1.70 to \$2.50 each
Annual costs \$0 to \$5,244.

Lifespan: Three years from the date of manufacture

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

Manufacturers Description: PepperBall's most potent and powerful concentration of PAVA pepper powder. One round of LIVE-X™ contains the equivalent PAVA irritant chemical agent in 10 regular PepperBall® LIVE™ rounds.

Features:

- 100% waterproof
- Shell color indicated payload
- Formula: 5% PAVA powder
- Operational temps of -30°F to 150°F
- Used for direct impact and area saturation
- Proudly made in the USA



Purpose: A non-lethal munitions system that employs paintball launchers to fire “pepper balls” that contain powdered OC in place of the paint. The pepper ball delivery system combines chemical agent exposure with kinetic energy impact to aid in its effectiveness in addressing armed and/or violent individuals as well as crowds. Pepper ball munitions also include glass-breaking rounds and marking rounds. Used to limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Before deploying the pepper ball launcher and munitions, deputies must complete a POST-certified course in the operation of the pepper ball launcher. Additionally, all members who operate any less-lethal Devices must pass a qualification course of instruction.

Type: Def-Tec MK-9 OC Spray Canisters

Quantity: 18

Cost: \$58 to \$62 each
Annual costs are \$0 to \$868.

Lifespan: Five years from the date of manufacture

Capability: Intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft.

Manufacturers Description: 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 feet. This 1.3% MC (Major Capsaicinoids) OC aerosol product utilizes a stream delivery method providing a target- specific, strong concentrated stream for greater standoff.

Non-flammable / Electronic Discharge Weapon (EDW) safe.

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

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All members utilizing chemical agents will attend an instruction course that includes instruction and certification on chemical agents. Deputies receive periodic chemical agent update training.

Type: Defense Technology Flameless Tri-Chamber (CS) Pyro/Grenade

Quantity: 14

Cost: Approximately \$38.00 each
Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The Defense Technology Flameless Tri-Chamber (CS) Pyro/Grenade are canisters that contain chemical agents that are released when deployed.

Manufacturers Description: 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.

Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: Defense Technology Riot Control (CS) Pyro/Grenade

Quantity: 7

Cost: Approximately \$27.00 each
Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The Defense Technology Riot Control (CS) Pyro/Grenade are canisters that contain chemical agents that are released when deployed.

Manufacturers Description: 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.



Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

- Self-destructive, dangerous, and/or combative individuals.
- Riot/crowd control and civil unrest incidents.

- Circumstances where a tactical advantage can be obtained.
- Potentially vicious animals.
- Training exercises or approved demonstrations.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: Defense Technology Pocket Tactical (CS) Pyro/Grenade

Quantity: 4

Cost: Approximately \$38.00 each
Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The Defense Technology Pocket Tactical (CS) Pyro/Grenade are canisters that contain chemical agents that are released when deployed.

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

Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:



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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: Defense Technology Aerosol OC/CS Liquid/Grenade

Quantity: 3

Cost: Approximately \$38.00 each

Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The Defense Technology Aerosol OC/CS Liquid/Grenade are canisters that contain chemical agents that are released when deployed.

Manufacturers Description: Designed for indoor use, this grenade contains no CFCs, is not a fire hazard and requires minimal decontamination by comparison to smoke, powders, or liquids. The Aerosol Grenade is most commonly used in tactical situations by Law Enforcement and Corrections and was designed with indoor operations in mind when a non fire-producing delivery system is desired. It is most effective when used in confined areas and close to the target area. Used to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects. The Aerosol Grenade is ideal for cell extractions or barricade situations where the use of pyrotechnic, powder, or liquid devices is not practical or desired. The OC and CS combination provide sufficient effects in confined areas of up to 1,500 square feet. The Aerosol Grenade is not recommended for outdoor use.

Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: Defense Flameless Tri-Chamber (HC) Pyro/Grenade

Quantity: 1

Cost: Approximately \$38.00 each

Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The Defense Technology Flameless Tri-Chamber (HC) Pyro/Grenade are

canisters that contain chemical agents that are released when deployed.

Manufacturers Description: 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.

The Tri-Chamber Flameless Grenade is NOT to be launched utilizing a launching cup.



Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: Defense Technology Barricade Penetrating Projectile (CS) Liquid/Ferret

Quantity: 5

Cost: Approximately \$23.00 each
Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The Defense Technology Barricade Penetrating Projectile (CS) Liquid/Ferret

are projectiles that contain chemical agents that are released when deployed.

Manufacturers Description: 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.



Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: Defense Technology Barricade Penetrating Projectile (OC) Liquid/Ferret

Quantity: 16

Cost: Approximately \$23.00 each
Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture



Capability: The Defense Technology Barricade Penetrating Projectile (OC) Liquid/Ferret are projectiles that contain chemical agents that are released when deployed.

Manufacturers Description: 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.

Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: Defense Technology Barricade Penetrating Projectile (OC) Powder/Ferret

Quantity: 6

Cost: Approximately \$23.00 each
Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The Defense Technology Barricade Penetrating Projectile (OC) Powder/Ferret are projectiles that contain chemical agents that are released when deployed.

Manufacturers Description: The Ferret® 40 mm Barricade Penetrating Round is filled with an OC powder chemical agent. It is a frangible projectile that is spin stabilized utilizing barrel rifling. It is non-burning and designed to penetrate barriers. Primarily used to dislodge barricaded subjects, it can also be used for area denial. Primarily used by tactical teams, it is designed to penetrate barriers, such as windows, hollow core doors, wallboard and thin plywood. Upon impact the nose ruptures and instantaneously delivers the agent payload inside a structure or vehicle.



Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: Defense Technology Barricade Penetrating Projectile (CS) Powder/Ferret

Quantity: 9

Cost: Approximately \$23.00 each
Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The Defense Technology Barricade Penetrating Projectile (CS) Powder/Ferret are projectiles that contain chemical agents that are released when deployed.

Manufacturers Description: The Ferret® 40 mm Barricade Penetrating Round is filled with a CS powder chemical agent. It is a frangible projectile that is spin stabilized utilizing barrel rifling. It is non-burning and designed to penetrate barriers. Primarily used to dislodge barricaded subjects, it can also be used for area denial. Primarily used by tactical teams, it is designed to penetrate barriers, such as windows, hollow core doors, wallboard and thin plywood. Upon impact the nose ruptures and instantaneously delivers the agent payload inside a structure or vehicle.



Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Type: CTS-Combined Systems Barricade Penetrating Projectile (CS) Powder/Ferret

Quantity: 40

Cost: Approximately \$23.00 each
Annual costs \$0 to \$500.

Lifespan: Five years from the date of manufacture

Capability: The CTS-Combined Systems Barricade Penetrating Projectile (CS) Powder/Ferret are projectiles that contain chemical agents that are released when deployed.

Manufacturers Description: CS powder filled projectile penetrates intermediate barriers and delivers irritant agents into an adjacent room.

Effectiveness is dependent upon the type of weapon, angle of impact, environmental conditions, and the type of the intermediate barrier. The greatest probability for penetration occurs when the projectile impacts 90° perpendicular to the intermediate barrier. General usage in tactical situations involves intermediate barriers, such as single pane exterior windows, vehicle windows, pressed wood particle doors, 1-2 layers of wallboard, and interior hollow core doors.

CAUTION: These less-lethal munitions are designed for specific tactical situations. One must be trained specifically in the deployment of barricade penetrating munitions and exercise extreme care and caution to minimize the possibility of this projectile striking a human opposite the barrier.



Purpose: To limit the escalation of conflict where the deployment of lethal force is prohibited or undesirable. Situations for using a less-lethal weapon system/chemical agent may include but are not limited to the following:

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

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All Department personnel utilizing chemical agents are trained in their use by POST/STC-certified less-lethal and chemical agent instructors.

Category 14 – KINETIC ENERGY WEAPONS AND MUNITIONS

Type: Remington 870 Shotgun (Bean Bag deployment)

Quantity: 34

Cost: Approximately \$500

Annual maintenance is estimated to be \$0 to \$25.

Lifespan: 25 years

Capability: Beanbag shotguns can fire a 12-gauge beanbag round with a maximum effective range of sixty feet.

Manufacturer Description: The Remington Model 870™ is a pump-action shotgun design with ultimate strength, durability, silky-smooth bind-free action, with sleek and classical lines. As one of the most popular shotguns, the Model 870 is offered in dozens of configurations to suit hundreds of applications.

Purpose: Beanbags are less-lethal munitions used as an option to de-escalate a potentially dangerous/deadly situation, with a reduced potential for death or serious injury to all persons involved.

It is accepted that the probability exists for bodily harm to occur. However, it must also be accepted that the application of such force may be the only alternative to using lethal force to stop the subject's actions. Situations when the deployment of less-lethal beanbags is authorized but not limited to include self-destructive, dangerous, and/or combative individuals.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: All department personnel utilizing less lethal shotguns are trained in their use by POST/STC certified less-lethal instructors.



Type: Serbu Super-Shorty Shotgun (Bean Bag deployment)

Quantity: 2

Cost: Approximately \$1000
Annual maintenance is



estimated to be \$0 to \$25.

Lifespan: 25 years

Capability: Beanbag shotguns can fire a 12-gauge beanbag round with a maximum effective range of sixty feet.

Manufacturer Description: The Serbu Super-Shorty is based on either the Mossberg 500 or the Remington 870 12-gauge shotgun. Super Shorties come in either 2+1 or 3+1 configurations and are registered “Any Other Weapon”. The 3+1 configuration sports a 20” overall length and 9” barrel.

Purpose: Beanbags are less-lethal munitions used as an option to de-escalate a potentially dangerous/deadly situation, with a reduced potential for death or serious injury to all persons involved.

It is accepted that the probability exists for bodily harm to occur. However, it must also be accepted that the application of such force may be the only alternative to using lethal force to stop the subject's actions. Situations when the deployment of less-lethal beanbags is authorized but not limited to include self-destructive, dangerous, and/or combative individuals.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Deputies that have been trained in the use of the beanbag shotgun undergo thorough classroom and live-fire training in its use and application. Additionally, deputies trained in the use of the beanbag shotgun must pass annual qualifications to maintain proficiency and certification.

Type: Def-Tec/LMT 40mm Launcher

Quantity: 3

Cost: Approximately \$1,300 each
Annual costs \$0 to less than \$50 per unit.

Lifespan: No lifespan indicated by the manufacturer. Lifespan varies on operational usage and wear.

Capability: 40mm launchers are capable of firing a variety of munitions with a maximum effective range of one hundred twenty (120) feet. 40mm launchers can deliver 40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

Manufacturer Description: (40mm LMT) Manufactured exclusively for Defense Technology®, the 40mm LMT is a tactical single-shot launcher that features an expandable ROGERS Super Stock and an adjustable Integrated Front Grip (IFG) with

light rail.

The ambidextrous Lateral Sling Mount (LSM) and QD mounting system allows both a single and two-point sling attachment. The 40mm LMT will fire standard 40mm less-lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.



Purpose: 40mm launchers with less-lethal sponge rounds may be deployed to impact subjects who demonstrate assaultive or life-threatening behavior. 40mm launchers utilized with less-lethal sponge rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

The main objectives that officers attempt to achieve in using a 40mm sponge round on a subject exhibiting any of the criteria mentioned above are to effect investigative detention or arrest; control a subject who is in lawful custody; prevent an escape; or protect the officer, the subject, or another person from injury or death.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Deputies that have been trained in the use of the 40mm single launcher undergo thorough classroom and live-fire training in its use. Additionally, deputies trained in using the 40mm single launcher must pass annual qualifications to maintain proficiency.

Type: Def-Tec 40mm eXact Impact Munition Model #6325

Quantity: 6

Cost: Retail price \$26.50 each
Annual costs \$0 to \$6,000.

Lifespan: Five years from the date of manufacture

Capability: 40mm eXact impact rounds can impact a suspect at a maximum effective range of 120feet.



Manufacturer Description: 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 launchers rifled barrel. The round utilizes smokeless powder as the propellant and, therefore, has velocities that are extremely consistent. Used for crowd control, patrol, and tactical applications.

Purpose: 40mm ammunition used in conjunction with 40mm launchers may be deployed to impact subjects who demonstrate assaultive or life-threatening behavior.

40mm ammunition used in conjunction with 40mm launchers may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon within the force guidelines of Department policy.

The main objectives that officers attempt to achieve in using a 40mm on a subject exhibiting any of the criteria mentioned above are to effect investigative detention or arrest; control a subject who is in lawful custody; prevent an escape; or protect the officer, the subject, or another person from injury or death.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Deputies that have been trained in the use of the 40mm impact ammunition in conjunction with the 40mm single launcher undergo thorough classroom and live-fire training in its use. Additionally, deputies trained in using the 40mm single launcher must pass annual 40mm qualifications to maintain proficiency.



Type: VKS Pepper Ball Rifle

Quantity: 6

Cost: Approximately \$495 each
No annual maintenance or replacement costs.

Lifespan: N/A

Capability: The VKS Pepper Ball launcher fires new PepperBall 3-gram projectiles at 300- 360 feet per second with a target accuracy of 60 feet



and area saturation with PAVA pepper to 200 feet. An automatic feed system keeps rounds launching consistently and in synchronization with trigger pull speeds and settings.

Manufacturer Description:

The VKS is the ultimate multi-payload, long-range, semi-automatic launcher with adjustable kinetics. Mirroring the AR-15 platform, the VKS is exceptionally accurate, easy to handle and offers a disposable 88g cartridge option..

- Distance: Max Range 150 feet.
- Speed: Quickly deploy PAVA rounds at up to 700 rounds per minute.
- Versatility: Enhance officer safety and effectiveness in crowd control, jail barricade busting, domestic violence, suicide by cop, and many other one-to-one or one-to-many non-lethal situations.
- Maneuverability: The forward-mounted high-pressure air bottle allows for greater maneuverability and mobility in tactical situations.
- Variable Fire Power: Automatic feed system keeps rounds launching consistently while variable trigger settings allow you to conform to agency policy while giving officers the right capabilities to achieve all of their goals.

Solid Reinforced Construction

- Lighter and More Compact Design
- Round and VXR™ Projectile Compatible Magazine
- Compatible With Gravity and Electronic Hoppers (sold separately)
- No Recoil
- Flip Safety Switch
- SplitShot™ Compatible
- M-LOK Handguard
- Maximum Range of 150ft
- Ambidextrous Quick Disconnect Sling Mount
- Adjustable Foregrip



Purpose: The VKS Pepper Ball Launchers are designed as less-lethal weapons for use in a wide variety of tactical applications encountered within law enforcement. They may be used as an area treatment device to deploy chemical agents upon resistive suspects or as a direct fire weapon on assaultive/high-risk suspects. The intended target zone for the pepper ball launcher is low center mass unless the situation dictates otherwise.

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

- Self-destructive, dangerous, and/or combative individuals.
- Riot/crowd control and civil unrest incidents.

- Circumstances where a tactical advantage can be obtained.
- Potentially vicious animals.
- Training exercises or approved demonstrations.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Deputies utilizing pepper ball launchers and projectiles are trained in the use by POST-certified less-lethal and chemical agents instructors.

Type: CTS Super Sock Bean Bag Munitions Model #2581

Quantity: 100

Cost: Approximate cost is \$6 each
Annual costs \$0 to \$3,000.

Lifespan: Five years from the date of manufacture

Capability: Beanbag shotguns can fire a 12-gauge beanbag round with a maximum effective range of 75 feet.



Manufacturer Description: 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.

Purpose: Beanbag shotguns used with beanbag rounds may be deployed to impact subjects who demonstrate assaultive or life-threatening behavior. Beanbag shotguns utilized with beanbag rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

The main objectives that deputies attempt to achieve in using a beanbag round on a subject exhibiting any of the criteria mentioned above are to effect investigative detention or arrest; control a subject who is in lawful custody; prevent an escape; or protect the officer, the subject, or another person from injury or death.

Legal: Lexipol Policy 300 - Use of Force, 308 – Control Devices and Techniques, 312 – Firearms, 467 – First Amendment Assemblies. The department shall only utilize this equipment for official law enforcement purposes and pursuant to State and Federal Law and applicable department policy.

Training: Deputies that have been trained in the use of the beanbag shotgun undergo thorough classroom and live-fire training in its use. Additionally, deputies trained in the use of the beanbag shotgun must pass annual qualifications to maintain

proficiency.