

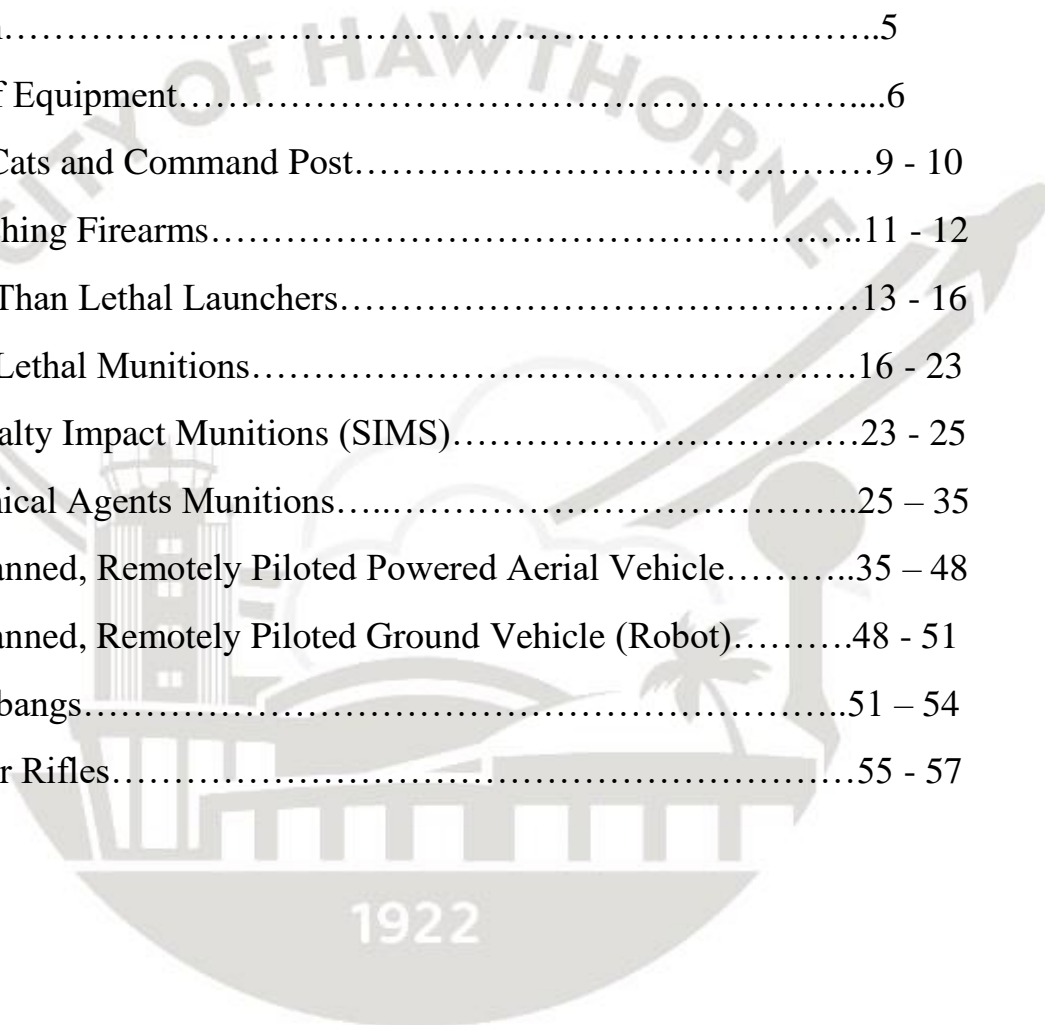
**City of Hawthorne**  
**Hawthorne Police Department**



**Annual Military Equipment Report**  
**2025**

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## Preface

The Hawthorne Police Department is committed to maintaining public safety by providing the highest quality police services to the communities we serve. We have an obligation to our communities and the people of this state never to let those who would engage in violent acts of criminality dictate the path of life for our city. We know all too well that violent crime thrives not when the enforcement posture, resources, and equipment available to our Department is strong, but it is when they are weak that violent criminals are tempted and emboldened. The equipment listed in this annual report are essential tools that may be required from time to time to aid in de-escalating intense situations or bringing volatile conditions and critical incidents to a safe resolution. The mere possession of this equipment does not warrant its use in every circumstance. However, having this equipment and adequate resources available makes our Department more capable to confront those who would visit violence upon our communities and threaten our way of life.



## Executive Summary

On September 30, 2021, the Governor of the State of California approved AB-481 requiring law enforcement agencies to obtain approval of the applicable governing body (Mayor and City Council), by adoption of a military equipment use policy. The Department is required to seek City Council approval of their military equipment use procedure by ordinance at a regular open meeting prior to taking certain actions relating to the funding, acquisition, or use of military equipment, as defined. The bill allows the governing body to approve the funding, acquisition, or use of military equipment within its jurisdiction only if it determines that the military equipment meets specified standards. The ordinance is subject to annual City Council review to determine whether, based on an annual military equipment report, the standards set forth in the approving ordinance have been met. The City Council may renew the authorizing ordinance, disapprove authorization for particular military equipment where standards have not been met, or require modifications to the military equipment use procedure to address any non-compliance with standards. Finally, the bill requires publication of the military equipment use procedure and the annual military equipment report on the Department's website. The military equipment use procedure must be posted on the website at least 30 days prior to the Council meeting.

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## Introduction

The Hawthorne Police Department retains and employs a wide variety of military equipment to assist in safely achieving the furtherance of its mission statement to *“provide a safe and secure community for its citizens while at the same time promoting a high degree of professionalism and respect for human dignity.”* While the inventory of military equipment is varied, the mere possession of the equipment does not warrant its use for every incident. The Hawthorne Police Department recognizes that critical incidents are unpredictable and can be very dynamic in nature. A variety of military equipment options can greatly assist incident commanders, officers, and specific units in bringing those incidents to a swift resolution in a safe manner. The use of military equipment is restricted for use only in certain instances and in some cases only by certain units. While the military equipment procedure is wide-ranging, it is not all inclusive. There may be instances wherein unpredictable critical incidents demand the need for incident commanders to authorize military equipment to be used in a manner not outlined within Department policy. In scrutinizing those particular instances, the judgment of the incident commander influenced by the totality of the circumstances, public safety, officer safety, civil rights, and information available at the time will be used. It is incumbent upon incident commanders, supervisors, individual officers, and specific units to recognize the particular circumstances wherein military equipment should be employed to enhance the safety of the public and officers, and to bring a critical incident to a safe resolution. This Annual Military Equipment Report outlines a summary of military equipment usage guidelines, inventory, and fiscal impact for 2025.

## **Armored Vehicles:**

**Type:** 2-door Lenco BearCat (Hawthorne BearCat)

**Quantity:** 1

**Cost:** \$221,981.00

**Lifespan:** 20+ years based on maintenance care

**Capabilities:** The Lenco BearCat can support first responders in any hazardous, high risk, or critical incident, which would benefit from having a vehicle that provides a high level of ballistic protection.

**Manufacturer's Description:** The Lenco BearCat is the standard tactical armored vehicle for special operations units within the United States Law Enforcement community. The Lenco BearCat 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.

**Purpose:** The purpose of the Lenco BearCat is to provide protection for the SWAT members in high risk or critical incidents such as, serving high-risk search warrants or arrest warrants of dangerous subjects.

**Authorized uses:** The Lenco BearCat is to be used by the SWAT team and Patrol if authorized by the on-duty Watch Commander. These uses could include active shooters, armed barricaded suspects, hostage situations, high-risk tactical operations, disaster response, officer/citizen rescues.

**Fiscal Impact:** \$1,000.00 (Approximate Yearly Maintenance Costs)

**Policy and Procedure:** Lexipol Policy 404.3.2 – SWAT Operational Procedures

**Training:** SWAT Officers authorized to operate the Lenco BearCat are required to successfully complete a SWAT Academy. Additionally, SWAT Officers undergo a period of classroom instruction, driving assessment, and must possess a valid driver's license. Patrol officers receive yearly training on the Lenco BearCat and must possess a valid driver's license.

**Type:** 3-door Lenco MedCat (Hawthorne MedCat)

**Quantity:** 1

**Cost:** \$315,919.00

**Lifespan:** 20+ years based on maintenance care

**Capabilities:** The Lenco MedCat can support first responders in any hazardous, high risk, or critical incident, which would benefit from having a vehicle that provides a high level of ballistic protection. The Lenco MedCat also serves as an ambulance for any injured officer(s), victim(s), civilian(s), or suspect(s).

**Manufacturer's Description:** The Lenco MedCat is the standard tactical armored vehicle for special operations units within the United States Law Enforcement community. The Lenco MedCat 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 MedCat line of armored SWAT vehicles for Police and Government.

**Purpose:** The purpose of the Lenco MedCat is to provide protection for the SWAT members in high risk or critical incidents such as, serving high-risk search warrants or arrest warrants of dangerous subjects.

**Authorized uses:** The Lenco MedCat is to be used by the SWAT team and Patrol if authorized by the on-duty Watch Commander. These uses could include active shooters, armed barricaded suspects, hostage situations, high-risk tactical operations, disaster response, officer/citizen rescues.

**Fiscal Impact:** \$1,000.00 (Approximate Yearly Maintenance Costs)

**Policy and Procedure:** Lexipol Policy 404.3.2 – SWAT Operational Procedures

**Training:** SWAT Officers authorized to operate the Lenco MedCat are required to successfully complete a SWAT Academy. Additionally, SWAT Officers undergo a period of classroom instruction, driving assessment, and must possess a valid driver's license. Patrol officers receive yearly training on the Lenco MedCat and must possess a valid driver's license.

**Type:** SWAT Special Equipment Transport / Command Post Vehicle

**Quantity:** 1

**Cost:** Approximately \$20,000

**Lifespan:** 15+ years based on maintenance care

**Capabilities:** As a mobile base of operation, these vehicles contain specialized command, control, and communications equipment to assist with missions

**Manufacturer's Description:** 2000 Ford F450 Utility Vehicle  
No description available since this was modified and custom built to accommodate our SWAT needs for equipment and Command Post specification.

**Purpose:** The Command Post vehicle is to be utilized as an Incident Command Post for planned or unplanned events

**Authorized uses:** The Command Post vehicle is to be utilized as an Incident Command Post for planned or unplanned events

**Fiscal Impact:** \$1,000.00 (Approximate Yearly Maintenance Costs)

**Policy and Procedure:** N/A

**Training:** The Command Post vehicles is to be utilized as an Incident Command Post for any planned or unplanned event. Anyone that operates the vehicle shall possess a valid driver's license.

**Rifles:**

**Type:** Colt 6943

**Serial Numbers:** LE222254, LE224169, LE295179, LE221399, LE221327, LE224129, LE222246, LE223749, LE221400, LE221316, LE222212, LE221732, LE221333, LE295196, LE221359, LE221313, LE222264, LE221366, CR704729, CR704792

**Quantity:** 21

**Cost:** \$ 1399 each

**Lifespan:** N/A

**Capabilities:** This rifle provides a stable and accurate engagement platform. The length of the rifle allows officers to productively move in the multitude of different environments encountered in an urban environment.

**Manufacturer's Description:** The advantage of the Colt LE6943 is unmatched. The LE6943 displays fresh ingenuity with Mil-Spec hammer and trigger pivot pins, a Magpul MBUS backup sight and a folding front sight for enhanced optical solutions, and a straight gas tube and a removable lower rail which provides modularity for under mounting accessories. The patented one-piece monolithic upper receiver incorporates a continuous Mil-Spec rail from the rear of the upper receiver to the front sight. This feature affords unmatched repeatability for mounting optical systems, not found with separate handguard rail systems. Designed with accuracy in mind, its true free-floating barrel provides the enhanced accuracy necessary for long-range acquisition capability.

**Purpose:** The purpose of the Colt 6943 is to provide officers with the most stable and accurate engagement abilities available in situations where the need for a rifle can be reasonably articulated.

**Authorized uses:** The Colt 6943 is issued to members of the SWAT team to be deployed in accordance with Hawthorne Police Department Policy where the need for a rifle can be articulated. For example, and not limited to:

- 1- Situations where an armed encounter is reasonably articulated
- 2- When faced with a situation where a long-range engagement may be necessary
- 3- Where an officer reasonably believes there is a need to meet or exceed the abilities of the suspect's weapon
- 4- When there is an articulated need to defeat a barricade or body armor

**Fiscal Impact:** \$ (Maintenance Costs)

**Policy and Procedure:** Lexipol Policy 306.3.3 Patrol Rifles, Policy 306.6 Firearms and Training Qualification, Policy 300 Use of force. Policy 404.5 Swat Uniforms and Equipment: Firearms.

**Training:** SWAT Officers qualify monthly with their issued Colt 6943 and conduct scenario training monthly. All Hawthorne Police officers receive a two-day training and qualification module on the operation of a Colt rifle.

### **Additional Rifles**

**Type:** Colt AR-15 A2 and AR 15 Model SP1

**Serial Numbers:** AR15 A2 (353164), Model SP1 (111348)

**Quantity:** 2

**Cost:** \$ 1000 each

**Lifespan:** N/A

**Capabilities:** This rifle provides a stable and accurate engagement platform. The length of the rifle allows officers to productively move in the multitude of different environments encountered in an urban environment.

**Manufacturer's Description:** Throughout the world today, Colt's reliability, performance, and accuracy provide our Armed Forces the confidence required to accomplish any mission. Colt's LE6920 series shares many features of its combat-proven brother, the Colt M4. Ships with Magpul MBUS (no carry handle) and a 30-round Magpul PMAG. (This description is provided for current models of Colts, the AR15 A2 and Model SP1 are no longer manufactured).

**Purpose:** The purpose of the Colt rifle is to provide officers with the most stable and accurate engagement abilities available in situations where the need for a rifle can be reasonably articulated.

**Authorized uses:** The Colt rifles is issued to the SWAT team to be deployed in accordance with Hawthorne Police Department Policy where the need for a rifle can be articulated. For example, and not limited to:

- 1- Situations where an armed encounter is reasonably articulated
- 2- When faced with a situation where a long-range engagement may be necessary
- 3- Where an officer reasonably believes there is a need to meet or exceed the abilities of the suspect's weapon
- 4- When there is an articulated need to defeat a barricade or body armor

**Fiscal Impact:** \$ (Maintenance Costs)

**Policy and Procedure:** Lexipol Policy 306.3.3 Patrol Rifles, Policy 306.6 Firearms and Training Qualification, Policy 300 Use of force. Policy 404.5 Swat Uniforms and Equipment: Firearms.

**Training:** All Hawthorne Police officers receive a two-day training and qualification module on the operation of a Colt rifle.

### **Breaching Firearms:**

**Type:** Remington 870 Breaching Shotgun

**Serial Numbers:** *B692403M, W513612M*

**Quantity:** 2

**Cost:** \$ \$799

**Lifespan:** N/A

**Capabilities:** The breaching shotgun provides officers with the ability defeat locking mechanism in situations where forced entry is authorized.

Manufacturer's Description: 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 do not need the upgraded performance of the Police model.

**Purpose:** To provide the ability to quickly defeat locking mechanism where forced entry in authorized or exigent circumstances exist.

**Authorized uses:** The use of the breaching shotgun is authorized for use by trained breacher in situations where the need for forced entry exist.

**Fiscal Impact:** \$ (Maintenance Costs)

**Policy and Procedure:** Lexipol Policy 404.5.2 Equipment, 412.3 First response, 412.6 Training

**Training:** Officers designated as breaching attend breaching training where they are trained on several methods of breaching including breaching shotguns.

**TYPE:** KBT BREACHING TOOL model #3-1000

**Serial Number:** S/M 31-521

**Quantity:** 1

**Cost:** \$12,500

**Lifespan:** N/A

**Capabilities:** This breaching tool employs the best of physics in the form of a self-contained impact ram with powder-actuated cartridges that go directly into a door or entryway. The KBT captures the force of the ram within the tool, ensuring that no projectile or explosive energy leaves the device. The KBT also increases operator safety by allowing operators to breach from behind a shield or to the side of the door. This is a ready-to-use device that can completely replace explosive and hydraulic breaching, battering rams, and other manual forced entry techniques.

**Purpose:** To provide the ability to quickly defeat locking mechanisms and barricaded doors where forced entry in authorized or exigent circumstances exist.

**Authorized uses:** The use of the KBT Breaching Tool is authorized for use by trained breacher in situations where the need for forced entry exist.

**Fiscal Impact:** \$ (Maintenance Costs TBD)

**Policy and Procedure:** Lexipol Policy 404.5.2 Equipment, 412.3 First response, 412.6 Training

**Training:** Officers designated as breachers attend breaching training where they are trained on several methods of breaching including the KBT Breaching Tool.

## **Less Than Lethal Launchers:**

**Type:** Defense Technology 40MM Single shot (no longer in production) and LMT 40mm Single Shot

**Serial Numbers:** *Defense Technology: D37137, D37138, D37139, D37140. LMT: FW14808, FW14821*

**Quantity:** 6

**Cost:** \$ 735

**Lifespan:** N/A

**Capabilities:** 40mm launchers can fire 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's 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:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

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

**Fiscal Impact:** \$ (Maintenance Costs)

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, Policy 303.9 Training for Control Devices and Policy 300 Use of Force  
Policy 404.5 Swat Uniforms and Equipment

**Training:** Every sworn Hawthorne Police Officer attend a less lethal refresher course every year. The refresher course consists of reading the department policy on each less

lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers.

**Type:** Pepperball VKS (Variable Kinetic System) multi-shot PepperBall launchers.

**Serial Numbers:** P4. 3-4391, P4.3-4515, P4.3-3554

**Quantity:** 3

**Cost:** \$1,299 each

**Lifespan:** N/A

**Capabilities:** Non-Lethal chemical agent delivery system that uses high-pressure air (large capacity hoppers) to deliver PAVA powder projectiles from a safe distance. The system combines chemical agent exposure with kinetic impact and pain. It is effective on individuals as well as large groups of people for riot and crowd control. The N.A.T.O definition of Non-Lethal is, "Non-Lethal Weapons are weapons that are explicitly designed and developed to incapacitate or repel personnel, with a low probability of fatality or permanent injury, or to disable equipment, with minimal undesired damage or impact on the environment."

**Manufacturer's Description:** The Variable Kinetic System (VKS) is a compressed-air powered launcher designed to fire non-lethal PepperBall projectiles. The PepperBall VKS Carbine features a Dual Feed System that offers the ability to quickly switch between Hopper mode and Magazine mode for optimum versatility. The Variable Kinetic System Carbine also means you can adjust your velocity up to 350fps - right out of the box. It offers a MIL-STD-1913 rail platform, machined upper, lightweight polymer lower, a functional charging handle and an external variable velocity adjustment. Trusted by over 10,000 law enforcement and government agencies worldwide, PepperBall is a proven leader in non-lethal personal defense.

**Purpose:** Non-Lethal PepperBall projectiles, as designated by N.A.T.O, when used properly, are significantly less likely to result in death or serious bodily injury. They can be used in riot and crowd control situations, in the de-escalation of potentially deadly situations, and for animal control.

**Authorized Use:** PepperBall launchers utilized with non-lethal PAVA rounds may be deployed to bring under control an individual or groups of individuals who are engaging in or are about to engage in violent behavior. PepperBall should not however, be used against individuals or groups who merely fail to disperse or do not reasonably appear to present a risk to the safety of officers or the public. (Policy 303.6.2 Pepper Projectile Systems and Policy 300 Use of Force).

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.6.2 Pepper Projectile Systems, Policy 303.9 Training for Control Devices and Policy 300 Use of Force

**Training:** Every sworn Hawthorne Police Officer attend a less lethal refresher course every year. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the launcher and live fire with the projectile launchers.

**Type:** Remington 870 Less Lethal Shotgun

**Serial Number:** W641161M

**Quantity:** 1

**Cost:** \$450

**Lifespan:** N/A

**Capabilities:** Capable of deploying less than lethal munitions at optimal ranges of 5-20 yards and a maximum range of 75 yards

**Manufacturer's Description:** The Remington Model 870 Pump Shotgun is a reliable 12-gauge with double-action bars for smooth pump operation. A steel-lined/grooved fore-end provides a stronger grip, while the Flexible feeding system provides positive and easier cycling. A less-lethal application shotgun is available with the addition of a blaze orange synthetic SpeedFeed stock and fore-end for the instant recognition required.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

**Authorized Use:** Less lethal shotguns utilized with bean bag rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. Less lethal shotguns utilized with bean bag rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectile Guidelines, Policy 303.9 Training for Control Devices and Policy 300 Use of Force, Policy 404.5 Swat Uniforms and Equipment

**Training:** Every sworn Hawthorne Police Officer attend a less lethal refresher course every year. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the launcher and live fire with the projectile launchers. Training on the Less Lethal shotgun is conducted during SWAT team trainings.

### **Less Lethal Munitions:**

**Type:** Defense Technology Drag Stabilized Bean Bag Round Part# 3027

**Quantity:** 53

**Cost:** \$5.35

**Lifespan:** Replacement as used (covered by five-year warranty)

**Capabilities:** Capable of delivery kinetic energy impacts at 75 yards.

**Manufacturer's Description:** The Drag Stabilized™ 12-Gauge Round is a translucent 12-Gauge shell loaded with a 40-Gram tear shaped bag made from a cotton and ballistic material blend and filled with #9 shot. This design utilizes four stabilizing tails and utilizes smokeless powder as the propellant. The 12-Gauge Drag Stabilized Round has secured its place as the Law Enforcement Communities' number one choice for specialty impact munitions. This round has a velocity of 270 fps with a maximum effective range of 75 feet.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

**Authorized Use:** Less lethal bean bag rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. Bean bag rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

**Fiscal Impact:** Cost as used

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectile Guidelines, Policy 303.9 Training for Control Devices and Policy 300 Use of Force, Policy 404.5 Swat Uniforms and Equipment

**Training:** Every sworn Hawthorne Police Officer attend a less lethal refresher course every year. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the launcher and live

fire with the projectile launchers. Training on the Less Lethal shotgun is conducted during SWAT team trainings.

**Type:** Royal Arms 12 Gauge Flash Bang Red Cap

**Quantity:** 241

**Cost:** \$25 each

**Lifespan:** Replacement as used

**Capabilities:** Capable of delivering a light and noise diversion from a shotgun platform.

**Manufacturer's Description:** FOR USE IN 12 GA SHOTGUNS W/ CYLINDER SMOOTH BORE BARRELS ONLY. Designed as a Less Lethal / Diversionary Round 185 dB can Breach solid wood doors, light Steel, sliders, Car windows and use in crawl spaces.

**Purpose:** Light and Noise diversion devices serve numerous purposes to the SWAT to include temporary distraction and disorientation allowing officers the opportunity to safely resolve situations.

**Authorized Use:** Diversionary Devices are to be used exclusively by the SWAT Team. Diversionary Devices can be used in high-risk tactical operations as an attention getting device and a diversion device. They can also be used during high-risk warrants, hostage rescue incidents, and some mobile field force incidents.

**Fiscal Impact:** Cost as used

**Policy and Procedure:** Policy 404.5 Swat Uniforms and Equipment

**Training:** SWAT Officers must successfully complete an 80-hour SWAT Academy and are subject to ongoing extensive classroom and practical application training in the use of the Diversionary Devices. Additionally, SWAT Officers regularly train on safe device deployment in a variety of operational settings. Additionally, Officers are selected to go to instructor schools.

**Type:** CTS Tactical 40MM Foam Baton Part# 4557

**Quantity:** 5

**Cost:** \$25

**Lifespan:** Replacement as used

**Capabilities:** Provide kinetic energy impact abilities at an optimal range of 3-30 meters.

**Manufacturer's Description:** The Model 4557 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. CAUTION: Shots to the head, neck, thorax, heart, or spine can result in fatal or serious injury.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

**Authorized Use:** Foam baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. Foam baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

**Fiscal Impact:** Cost as used

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, Policy 303.9 Training for Control Devices and Policy 300 Use of Force Policy 404.5 Swat Uniforms and Equipment

**Training:** Every sworn Hawthorne Police Officer attend a less lethal refresher course every year. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers.

**Type:** Defense Technology Multiple Wood Baton Round 40MM Part# 6098

**Quantity:** 26

**Cost:** \$25

**Lifespan:** Replacement as used

**Capabilities:** Provide kinetic energy impact abilities at an optimal range of 3-30 meters.

**Manufacturer's Description:** The 40mm Multiple Wood Baton Round is most widely used as a crowd management tool by Law Enforcement and Corrections. The round contains three wooden projectiles. It utilizes smokeless powder as the propellant and has more consistent velocities and tighter patterns compared to its 37 mm black powder counterpart. It is suitable for administering a means of pain compliance over a greater

distance than most of its counterparts. Used for routing crowds or groups that is mildly resistive.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

**Authorized Use:** Wood baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. Foam baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon. Wood batons can also be used to breach windows.

**Fiscal Impact:** Cost as used

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, Policy 303.9 Training for Control Devices and Policy 300 Use of Force  
Policy 404.5 Swat Uniforms and Equipment

**Training:** Every sworn Hawthorne Police Officer attend a less lethal refresher course every year. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers.

**Type:** Defense Technology Exact Impact 40MM Standard Range Sponge Round

**Quantity:** 18

**Cost:** \$26.50

**Lifespan:** Replacement as used

**Capabilities:** Provide kinetic energy impact abilities up to 131 Feet

**Manufacturer's Description:** The eXact iMPact™ 40 mm 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 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent. Used for Crowd Control, Patrol, and Tactical Applications

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

**Authorized Use:** Exact Impact rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. Foam baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

**Fiscal Impact:** Cost as used

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, Policy 303.9 Training for Control Devices and Policy 300 Use of Force  
Policy 404.5 Swat Uniforms and Equipment

**Training:** Every sworn Hawthorne Police Officer attend a less lethal refresher course every year. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers.

**Type:** Defense Technology Exact Impact LE 40MM Extended Range Sponge Round

**Quantity:** 28

**Cost:** \$26.50

**Lifespan:** Replacement as used

**Capabilities:** Provide kinetic energy impact abilities up to 131 Feet

**Manufacturer's Description:** The eXact iImpact™ 40 mm 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 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent. Used for Crowd Control, Patrol, and Tactical Applications

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

**Authorized Use:** Exact Impact rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. Foam baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon.

**Fiscal Impact:** Cost as used

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, Policy 303.9 Training for Control Devices and Policy 300 Use of Force  
Policy 404.5 Swat Uniforms and Equipment

**Training:** Every sworn Hawthorne Police Officer attend a less lethal refresher course every year. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers.

**Type:** Defense Technology 40MM Ground Marker SAF-Smoke 100m Part# 6483

**Quantity:** 10

**Cost:** \$30

**Lifespan:** Replacement as used

**Capabilities:** Provide smoke deployment up to 100m

**Manufacturer's Description:** The 40mm Ground Marker munition is designed to deliver a pyrotechnic smoke or irritant payload downrange to specified distances. The spin stabilized projectile and smokeless propulsion system produce extremely consistent velocities and range to the target. Applications for this product include crowd direction and control, marking, and obscuration

**Purpose:** Smoke abilities can be used as distractions, in assistance with gas deployments and to provide concealment as needed.

**Authorized Use:** Smoke is authorized to be used when the need for smoke capabilities may arise.

**Fiscal Impact:** Cost as used

**Policy and Procedure:** Policy 404.5 Swat Uniforms and Equipment

**Training:** Every Hawthorne officer is trained on the deployment of 40MM projectile systems.

**Type:** Pepper Ball rounds Live X

**Quantity:** 75

**Cost:** \$1,320.00 for 375 rounds

**Capabilities:** This item is deployed by dedicated launcher.

**Manufactures Description:** • Red / Black • Concentrated version of Live projectile used in high-intensity/MFF/Crowd Control • 5% Chemical Agent • Used for direct impact and area saturation • 0-60 feet (0-18 meters) direct impact/150+ feet (45+ meters area saturation • Operation temperature range -30F to 150F (-34C to 65C)

**Purpose:** Pepper Ball rounds when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous. And can be used in the following but not complete listed situations. Armed Attacker • Barricaded Suspect • Suicide-by-Cop • Civil Disobedience • Area Denial • Building/Field Searches • Vehicle Standoff • Drug Labs • High-Risk Warrants • Event Security • Animal Control •  
**Authorized Uses:** The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.6.2 Pepper Projectile Systems, 300.3 Use of Force.

**Training:** Every sworn Hawthorne Police Officer attends a less lethal refresher course every year. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers.

**Type:** Royal Arms 12 Gauge TESAR #1

**Quantity:** 14

**Cost:** \$25

**Lifespan:** Replacement as used

**Capabilities:** Capable of defeating locked wood doors.

**Manufacturer's Description:** Orange Cap 2-3/4" 275 Grain Compressed Copper Frangible 12 Ga Shotgun Slug

**Purpose:** For breaching wooden doors

**Authorized Use:** Breaching rounds are used exclusively by the SWAT team and by officers trained in breaching techniques.

**Fiscal Impact:** Cost as used

**Policy and Procedure:** Lexipol Policy 404.5.2 Equipment

**Training:** SWAT officers trained in breaching attend POST approved breaching schools and maintain in house training.

**Specialty Impact Munitions (SIM):**

**Type:** *Defense Technology Direct Impact 40mm OC Crushable Foam Round – Part# 6320*

**Quantity:** 10

**Cost:** \$18.25 each

**Lifespan:** 5 years from date of manufacture

**Capability:** 40mm launchers are capable of firing a variety of munitions with a minimum effective range of five (5) feet and 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's Description:** The 40mm Direct Impact® Round has evolved from Defense Technology® design of the eXact iImpact™. This lightweight, high-speed projectile consists of a plastic body and a crushable foam nose which is spin stabilized via the incorporated rifling collar and the 40mm launcher's rifled barrel. The rounds utilize smokeless powder as the propellant and have velocities that are extremely consistent. The 40mm Direct Impact® Round consists of a plastic body and a crushable foam nose that contains a powder payload. This payload area can hold inert, marking, OC or CS powder. The crushable foam nose dissipates energy upon impact while releasing the powder payload.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The Direct Impact OC round additionally brings the effects of an irritant powder, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-

threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds 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 Procedure

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, 303.9 Training for control devices, 303.5 Tear Gas Guidelines, 303.6.2 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Every sworn Hawthorne Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Defense Technology Extended Range Direct Impact 40mm OC Crushable Foam Round – Part# 6320LE*

**Quantity:** 26

**Cost:** \$18.25 each

**Lifespan:** 5 years from date of manufacture

**Capability:** 40mm launchers are capable of firing a variety of munitions with a minimum effective range of five (5) feet and 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's Description:** The 40 mm Direct Impact® LE Extended Range Round is a point-of-aim, point-of-impact direct-fire round and is intended to be used in applications that exceed the performance capability of the standard Direct Impact Round. An excellent solution whether you need to incapacitate a single subject or control a crowd. When loaded with OC powder, the Direct Impact LE combines blunt trauma with the effects of an irritant powder, maximizing the potential for incapacitation.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The Direct Impact OC round additionally brings the effects of an irritant powder, maximizing the potential for incapacitation. Its

purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds 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 Procedure

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, 303.9 Training for control devices, 303.5 Tear Gas Guidelines, 303.6.2 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Every sworn Hawthorne Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

### **Chemical Agent Munitions:**

**Type:** *Defense Technology Ferret 40mm CS Liquid Projectile-Part # 1262 (Newer version is Part # 2262).*

**Quantity:** 15

**Cost:** \$23 each

**Lifespan:** 5 years from date of manufacture

**Capability:** The effective range of the Ferret 40mm CS Liquid Barricade Penetrating Projectile is fifty-four (54) yards.

**Manufacturer's Description:** The Ferret 40mm Round is a frangible projectile filled with chemical agent. It is designed to deliver chemical agents in barricade situations from a 40mm launcher. Spin stabilization from barrel rifling affords maximum stand-off distance and accuracy for safety. 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.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The ferret projectile round additionally brings the effects of an irritant liquid, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Use:** Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or SWAT Lieutenant may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary. When practicable, fire personnel should be alerted or summoned to the scene prior to the deployment of tear gas to control any fires and to assist in providing medical aid or gas evacuation if needed.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, 303.9 Training for Control Devices, 303.5 Tear Gas Guidelines, 303.6.2 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the ferret projectiles. SWAT Officers will conduct continued training with the use of projectile launched chemical agent devices during supplemental SWAT courses and trainings. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Defense Technology Ferret 40mm CS Powder Projectile – Part # 1292 (Newer version is Part # 2292).*

**Quantity:** 27

**Cost:** \$23 each

**Lifespan:** 5 years from the date of manufacture

**Capabilities:** The effective range of the Ferret 40mm CS Powder Barricade Penetrating Projectile is fifty-four (54) yards.

**Manufactures 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:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The ferret projectile round additionally brings the effects of an irritant powder, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Uses:** Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or SWAT Lieutenant may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary. When practicable, fire personnel should be alerted or summoned to the scene prior to the deployment of tear gas to control any fires and to assist in providing medical aid or gas evacuation if needed.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, 303.9 Training for Control Devices, 303.5 Tear Gas Guidelines, 303.6.2 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the ferret projectiles. SWAT Officers will conduct continued training with the use of projectile launched chemical agent devices during supplemental SWAT courses and trainings. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Defense Technology Ferret 40mm OC Liquid Projectile – Part # 1260 (Newer version is Part # 2260).*

**Quantity:** 12

**Cost:** \$23 each

**Lifespan:** 5 years from the date of manufacture

**Capabilities:** The effective range of the Ferret 40mm OC Liquid Barricade Penetrating Projectile is fifty-four (54) yards.

**Manufactures 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:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The ferret projectile round additionally brings the effects of an irritant Liquid, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Uses:** Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or SWAT Lieutenant may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary. When practicable, fire personnel should be alerted or summoned to the scene prior to the deployment of tear gas to control any fires and to assist in providing medical aid or gas evacuation if needed.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, 303.9 Training for Control Devices, 303.5 Tear Gas Guidelines, 303.6.2 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the ferret projectiles. SWAT Officers will conduct continued training with the use of projectile launched chemical agent devices during supplemental SWAT courses and trainings. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Defense Technology Ferret 40mm OC Powder Projectile – Part # 1290 (Newer version is Part # 2290).*

**Quantity:** 30

**Cost:** \$23 each

**Lifespan:** 5 years from the date of manufacture

**Capabilities:** The effective range of the Ferret 40mm OC Powder Barricade Penetrating Projectile is fifty-four (54) yards.

**Manufactures 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:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The ferret projectile round additionally brings the effects of an irritant powder, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Uses:** Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or SWAT Lieutenant may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary. When practicable, fire personnel should be alerted or summoned to the scene prior to the deployment of tear gas to control any fires and to assist in providing medical aid or gas evacuation if needed.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.8 Kinetic Energy Projectiles, 303.9 Training for Control Devices, 303.5 Tear Gas Guidelines, 303.6.2 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the ferret projectiles. SWAT Officers will conduct continued training with the use of projectile launched chemical agent devices during supplemental SWAT courses and trainings. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Defense Technology Instantaneous Blast CS- Part# 1042*

**Quantity:** 18

**Cost:** \$50 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** This device can be hand thrown.

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

**Lifespan:** 5-year manufacturer warranty

**Purpose:** The Instantaneous Blast CS is used as crowd management in an indoor and outdoor setting.

**Authorized Uses:** Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or SWAT Lieutenant may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary. When practicable, fire personnel should be alerted or summoned to the scene prior to the deployment of tear gas to control any fires and to assist in providing medical aid or gas evacuation if needed.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.5 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Instantaneous Blast device. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, a SWAT Officer who is certified as a chemical agent instructor trains SWAT officers annually

**Type:** *Defense Technology Pocket Tactical CS- Part# 1016*

**Quantity:** 23

**Cost:** \$22 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** The Pocket Tactical is a small lightweight easily carried device that provides a medium volume of chemical agent or smoke for certain situations.

**Manufacturer's 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:** The Pocket Tactical was designed with the tactical team in mind and can be used for distraction, concealment, rescue, or signaling. Additionally, the Pocket Tactical may be used to dislodge barricaded suspects from confined areas. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.5 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Pocket Tactical device. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, a SWAT Officer who is certified as a chemical agent instructor trains SWAT officers annually.

**Type:** *Defense Technology Flameless Tri-Chamber, CS- Part# 1032*

**Quantity:** 29

**Cost:** \$45 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** 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 of 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

**Manufacturer's 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.

**Purpose:** 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.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.5 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Tri-Chamber CS. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, a SWAT Officer who is certified as a chemical agent instructor trains SWAT officers annually.

**Type:** *Defense Technology Spede-Heat, CS- Part# 1072*

**Quantity:** 18

**Cost:** \$25 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Can be hand thrown, deployed via robot, launched, placed into a Gas Ram, Burn Safe and Munitions Pole.

**Manufacturer's Description:** The Spede-Heat CS Grenade is a high volume, continuous burn it expels its payload in approximately 20-40 seconds. The payload is discharged through four gas ports on top of the canister, three on the side and one on the bottom. This launchable grenade is 6.12 in. by 2.62 in. and holds approximately 2.9 oz. of active agent.

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

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.5 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Spede-Heat CS. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, a SWAT Officer who is certified as a chemical agent instructor trains SWAT officers annually.

**Type:** *Combined Tactical Systems Riot CS Smoke - Part# 5230*

**Quantity:** 5

**Cost:** \$40 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Can be hand thrown, deployed via robot, launched, placed into a Gas Ram, Burn Safe and Munitions Pole.

**Manufacturer's Description:** Large diameter burning grenade that discharges a high volume of smoke and chemical agent through multiple emission ports. Specifically, for outdoor use and should not be deployed on rooftops, in crawl spaces or indoors due to potential fire hazard. Can be hand thrown or launched. Discharge duration can reach up to 40 seconds.

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

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.5 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Riot CS Smoke. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, a SWAT Officer who is certified as a chemical agent instructor trains SWAT officers annually.

**Type:** *Combined Tactical Systems Aerosol Grenade CS-OC - Part# 6343*

**Quantity:** 5

**Cost:** \$41 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Can be hand thrown, deployed via robot, launched, placed into a Gas Ram, Burn Safe and Munitions Pole.

**Manufacturer's Description:** A unique grenade delivering an invisible vapor and rendering an intense respiratory effect. Provides best results when used indoors and requires no personal decontamination.

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

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.5 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Aerosol Grenade CS-OC. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, a SWAT Officer who is certified as a chemical agent instructor trains SWAT officers annually.

**Type:** *Defense Technology Flameless Aerosol OC Vapor - Part# 1056*

**Quantity:** 13

**Cost:** \$50 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Hand deployed to deliver a very high concentration of OC in a powerful mist.

**Manufacturer's Description:** 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.

**Purpose:** The purpose of the Aerosol OC Vapor is to minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects. The Aerosol OC Vapor 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.

**Fiscal Impact:** None

**Policy and Procedure:** Lexipol Policy 303.5 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Aerosol OC Vapor. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, a SWAT Officer who is certified as a chemical agent instructor trains SWAT officers annually.

### **Unmanned, Remotely Piloted Powered Aerial Vehicle:**

#### **UAS #1**

**Type:** *DJI Mavic Mini*

*Serial #s 1SZ3J4C002K071, YCBZTZ00026905, 3Q4SJ1D00354LT, 1581F4XFC225R0065AF2, 1581F4XF32293006W0B7, & 1581F4XFA227JML719P8*

**Quantity:** 6

**Cost:** \$500 each

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals. Additionally, UAS may be used to search areas where potential harm to human personnel may be avoided.

The Mavic Mini drone is compact enough to navigate the interior of structures and similar conditions

**Manufacturer's Description:** Weighing 249g, DJI Mavic Mini is smaller and lighter than all of its predecessors, giving the pilot the ultimate flexibility to

capture unique moments. Unlike other DJI drones that feature quick-release propellers, Mavic Mini propellers are screwed on, which helps to preserve the weight of the drone. A 3-axis stabilized gimbal is located at the front of the drone, which is protected by a camera guard. And a microSD card slot is located on the back, providing a convenient location to change storage quickly.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective.

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

## UAS #2

**Type:** *DJI Mavic 3 Enterprise Thermal*  
*Serial #s 1581F5FJB22A700A0EVZ, & 1581F5FJB22A700A0EDH*

**Quantity:** 2

**Cost:** \$5,500 each

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals.

The Mavic drone is large enough and equipped with a Forward-Looking Infrared Camera (FLIR) suitable for exterior environmental conditions.

**Manufacturer's Description:** Capture accurate details in any mission with the Mavic Enterprise series drone – a highly versatile yet compact tool that packs a whole lot of performance upgrades. With high-resolution thermal and visual cameras, the Mavic drone supports up to 32x digital zoom and is capable of centimeter-level positioning accuracy with the RTK module.

The Mavic 3 Enterprise Series redefines industry standards for small commercial drones. With a mechanical shutter, a 56 x zoom camera, and an RTK module for centimeter-level precision, the Mavic 3E brings mapping and mission efficiency to new heights. A thermal version is available for firefighting, search and rescue, inspection, and night operations.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for aerial viewing

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

### UAS #3

**Type:** *DJI Matrice 4 Thermal*

*Serial #s 1581F7K3C24C800AM795 & 1581F7K3C251500C2VJ5*

**Quantity:** 2

**Cost:** \$7,700 each

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals.

The Matrice 4 drone is large enough and equipped with a Forward-Looking Infrared Camera (FLIR) suitable for exterior environmental conditions.

**Manufacturer's Description:** The DJI Matrice 4 Series is a new compact and intelligent multi-sensor flagship drone series for enterprise industries. The Matrice 4T is equipped with advanced features such as smart detection and measurement with laser range finder. Flight operations are now safer, more reliable, and powered by AI, with significantly enhanced sensing capabilities.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for aerial viewing

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with

current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

#### **UAS #4**

**Type:** *DJI Matrice 30T Thermal Quadcopter*

*Serial #s 1581F4QWB22C200300SA & 1581F4QWB22C200300AW*

**Quantity:** 2

**Cost:** \$9,500 each

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals.

The Matrice drone is large enough and equipped with a Forward-Looking Infrared Camera (FLIR) suitable for exterior environmental conditions.

**Manufacturer's Description:** The DJI Matrice 30T is a versatile commercial thermal drone featuring an integrated payload with a 48MP wide camera, a 12MP tele zoom camera with significant zoom capabilities, and a thermal camera for diverse operational needs. It offers advanced flight performance, easily handling challenging weather with an IP55 rating, and ensures safety with comprehensive sensors and collision avoidance systems. Its intuitive DJI RC Plus remote control and compatibility with FlightHub 2 enhance its mission efficiency. Ideal for public safety and thermal inspection use cases.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for aerial viewing

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards /

neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

#### **UAS #5**

**Type:** *DJI Matrice 30T Thermal Drone and Dock Bundle  
Serial # 1581FBMD2373001FV08 & 4SEDL71001000V*

**Quantity:** 1

**Cost:** \$30,000

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals.

The Matrice drone is large enough and equipped with a Forward-Looking Infrared Camera (FLIR) suitable for exterior environmental conditions.

**Manufacturer's Description:** The DJI Matrice 30T is a versatile commercial thermal drone featuring an integrated payload with a 48MP wide camera, a 12MP tele zoom camera with significant zoom capabilities, and a thermal camera for diverse operational needs. It offers advanced flight performance, easily handling challenging weather with an IP55 rating, and ensures safety with comprehensive sensors and collision avoidance systems. Its intuitive DJI RC Plus remote control and compatibility with FlightHub 2 enhance its mission efficiency. Ideal for public safety and thermal inspection use cases.

The bundle includes the DJI Dock, a rugged and reliable solution built to operate 24/7, day or night, rain or shine. The DJI Dock houses the Matrice 30, where it lands, recharges, takes off, and executes missions programmed in DJI FlightHub 2. With FlightHub 2, you can unlock full DJI Dock functionality from the cloud, schedule missions, create and edit flight routes, and manage data collected.

The DJI Dock is built to withstand the elements, with IP55 ingress protection, operating temperature of -35 Degree C to 50 Degree C, surge protection of 40kA, backup battery of 5 hours, and active temperature control for fast charging and drone safety. The M30 Series Dock Version offers flagship-level performance with maximum wind resistance of 12 m/s and an IP55 rating, and can conduct missions and inspections up to 7 km from the Dock.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for aerial viewing

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

## **UAS #6**

**Type:** *DJI Avata FPV*

**Serial #s** *1581F4XFC225R0065AF2, 1581F4XF32293006W0B7, & 1581F4XFA227JML719P8*

**Quantity:** 3

**Cost:** \$1,000 each kit

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals. Additionally, UAS may be used to search areas where potential harm to human personnel may be avoided.

The DJI Avata is compact enough to navigate the interior of small spaces, vehicles, structures, and similar conditions

**Manufacturer's Description:** Safely film steady, ultra-wide 4K stabilized video indoors or outside, in and around objects, with the **DJI Avata FPV Drone**. The Avata comes in a palm-sized form factor with all four propellers protected with attached guards. This allows for close-up filming indoors, near people, and through small openings without risking damage or injury to people and property. If the Avata does come in contact, it can just bounce off and keep flying.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective.

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

## UAS #7

**Type:** *DJI Avata 2*

*Serial #s 1581F6W8B24C300209JH & 1581F6W8A242G0A37UUL*

**Quantity:** 2

**Cost:** \$1,200 each kit

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals. Additionally, UAS may be used to search areas where potential harm to human personnel may be avoided.

The DJI Avata 2 is compact enough to navigate the interior of small spaces, vehicles, structures, and similar conditions

**Manufacturer's Description:** The DJI Avata 2 delivers an immersive FPV drone experience with improved imaging, safety, and battery life. Safely film steady, ultra-wide 4K stabilized video indoors or outside, in and around objects, with the **DJI Avata FPV Drone**. The Avata comes in a palm-sized form factor with all four propellers protected with attached guards. This allows for close-up filming indoors, near people, and through small openings without risking damage or injury to people and property. If the Avata does come in contact, it can just bounce off and keep flying.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective.

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

## UAS #8

**Type:** Sky-Hero Loki MK2

*Serial #s 01203AB1D000052 & 01203AC110303*

**Quantity:** 2 (comes in pairs)

**Cost:** \$11,000 per pair

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals.

Loki drones are equipped with a thermal camera suitable for low light conditions.

**Manufacturer's Description:** Loki is the world's first purpose built tactical UAS. Designed and built in conjunction with several of the world's top counter terror units, LOKI Mk2 solves virtually all of the problems associated with the tactical use of commercial UAS systems. LOKI is intended for close quarter, indoor and outdoor tactical scouting missions, and features a highly sensitive Night-Day + IR sensor camera giving it the ability to fly and see in complete darkness.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for aerial viewing

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings,

providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

## UAS #9

**Type:** *Brinc Lemur 2*

**Serial #** *BR00006-L2D-2409-00001*

**Quantity:** 2

**Cost:** \$19,900 per pair / year

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals.

**Manufacturer's Description:** BRINC Lemur 2 drones are specially designed to enable law enforcement and public safety professionals to survey areas too dangerous to send a person, assess a threat profile, and de-escalate conflict without putting individuals in harm's way. BRINC is equipped with two-way communication capabilities, a glass breaker and optimized systems for indoor flight, among other features. The Lemur 2 iteration advances drone technology further with the introduction of an intelligent software layer.

The LEMUR 2 builds on the technological breakthroughs of LEMUR and introduces new features such as their proprietary BRINC Autonomy Engine,

where the drone's onboard LiDAR sensor creates a 3D map of its surroundings in real time to enable a suite of capabilities. This includes a 360-degree standby hover that doesn't rely on light or GPS systems and an obstacle awareness system that dynamically adjusts speed around objects while still providing complete control to the drone operator for tactical maneuvers. Just as the autonomy engine simplifies operation, it also keeps law enforcement and emergency services personnel informed by providing an easy to interpret, 2D floor plan to users in real time.

Alongside this powerful autonomy system is a first-of-its-kind sensor array, combining 10 unique systems for supporting its autonomy systems, visual / night / thermal imaging and two-way comms. This includes a LiDAR sensor, tracking camera, multiple night vision illuminators, a spotlight with strobe, 4K camera, FLIR thermal imager, microphone and loudspeaker.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for aerial viewing

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

## **UAS #10**

**Type:** *Fotokite Sigma*  
**Serial #** *K2087YF*

**Quantity:** 1

**Cost:** \$34,282

**Lifespan:** Unknown, 1-year manufacturer warranty

**Capabilities:** The Hawthorne Police Department will utilize UAS to enhance both public safety and officer safety by providing aerial support during a variety of operations whenever possible.

UAS may be equipped with high-definition cameras, thermal imaging cameras, or a combination thereof to provide mission critical information. The ability to gain an aerial view over potentially dangerous situations reduces the risk to the public, officers, and aids in the safe apprehension of criminals.

**Manufacturer's Description:** Fotokite Sigma is a cable-connected, largely autonomous flying drone that has been specially developed for fire departments and similar emergency services (police, paramedics). Equipped with a high-resolution video camera and a thermal imaging camera, it enables a comprehensive bird's-eye view of the situation at the scene of the incident to be obtained quickly and easily during an operation. Accordingly, targeted measures can be initiated quickly. Unlike conventional battery-powered drones, Fotokite Sigma can operate for an unlimited period of time thanks to the cable connection to the base station mounted on the roof of an emergency vehicle. The system's simple operation makes it easier for rescue workers to focus on the core of their work.

Fotokite Sigma is an actively tethered unmanned aerial system (UAS) that can be launched during fire responses, search and rescue missions, or traffic jams to provide first responders with a critical aerial overview of the scene. The system's autonomy and built-in redundancy features allow for simple, safe and reliable operation of the UAS at any emergency scene, even in harsh weather conditions.

**Purpose:** UAS may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for aerial viewing

**Authorized Uses:** Unmanned aerial vehicles have numerous applications, including working with or in place of manned aircraft such as a police helicopter. Situations for authorized use include monitoring large crowds / gatherings, providing situational awareness, searching for evading suspects hiding in yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** Lexipol Policy 606 – Unmanned Aerial Systems Operations.

**Training:** UAS pilots shall be trained and maintain proficiency in their operator / observer abilities. Each pilot shall be certified as an operator in accordance with current FAA requirements and standards. The pilot will stay proficient in the job function by participating in monthly scheduled department training sessions. During these training sessions the pilot must show proficiency in flight skills, obstacles, and utilizing the UAS in a manner consistent with law enforcement deployments.

### **Unmanned, Remotely Piloted Powered Ground Vehicle (robot):**

#### **Robot #1**

**Type:** Recon Robotics' Recon Scout XL (aka ThrowBot)

*Serial #s 0711L1339 & 1011L2808*

**Quantity:** 2

**Cost:** N/A – acquired through 10-33 Military Program

**Capabilities:** The Recon Scout XL is a rugged micro-robot that can traverse varied terrain to provide operators with immediate video and audio reconnaissance in high-risk situations. The robot's wheels can climb over 4-inch (10.2 cm) obstacles, enabling operators to drive it through landscapes of rocks, grass, sand and debris.

**Life Span:** Unknown

**Manufacturer's Description:** The Recon Scout XL weighs only 1.4 pounds (0.64kg) and can survive throws of 30 feet (9.1 m) and drops of 15 feet (4.6m). The robot moves quietly through indoor and outdoor environments while transmitting real-time video to the operator's handheld Operator Control Unit II (OCU II). This video can be used to locate subjects, determine if they are armed, confirm the presence of hostages and / or hazards.

The Recon Scout XL is equipped with an infrared optical system that automatically turns on when the ambient light is low, allowing it to be an effective tactical tool during day or night operations. Further, the robot may be specified in multiple pre-determined transmitting frequencies, enabling tactical units to simultaneously operate multiple robots in the same environment.

**Purpose:** Robots may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available

or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for remote ground viewing

**Authorized Uses:** Robots have numerous applications, including working with or in place of human personnel. Situations for authorized use include providing situational awareness, searching for evading suspects hiding in residences, yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Unknown. Potential maintenance costs including battery replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** N/A

**Training:** The ThrowBots are small, compact, and simple to use. Any police personnel that can navigate the joystick on the remote controller may operate the robot.

## Robot #2

**Type:** *iRobot PackBot 510*

*Serial #s 26021063*

**Quantity:** 1

**Cost:** N/A – acquired through 10-33 Military Program

**Capabilities:** The 510 PackBot is a multi-mission tactical mobile robot. It is designed for use by first responders to carry out dangerous missions in high-threat scenarios.

The 510 PackBot can perform surveillance and reconnaissance, chemical, biological, radiological and nuclear (CBRN) detection, building and route clearance, explosive ordinance disposal (EOD), HazMat handling, improvised explosives device (IED) detection, checkpoint, and vehicle and personnel inspections. It can be easily configured based on the operators' mission needs. The PackBots are also equipped with a retractable gripper tool that can handle small objects.

**Life Span:** Unknown

**Manufacturer's Description:** PackBots are modular, multi-mission robots. The robot's digital architecture accommodates a wide range of interchangeable payloads, sensors, and tools that enable a wide range of missions. PackBot is quickly configured based on the needs of the mission and easily adapts to the ever-changing requirements of bomb identification, search and other life-threatening missions.

**Purpose:** Robots may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for remote ground viewing

**Authorized Uses:** Robots have numerous applications, including working with or in place of human personnel. Situations for authorized use include providing situational awareness, searching for evading suspects hiding in residences, yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Unknown. Potential maintenance costs including battery replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** N/A

**Training:** Personnel must show proficiency in the operation of the PackBot prior to deploying it. Training consists of familiarizing oneself with the controls and operating the payloads through repeated practice and use.

### Robot #3

**Type:** *Avatar III*

**Serial #** 10002731

**Quantity:** 1

**Cost:** 25,000

**Capabilities:** The AVATAR® III is a multi-mission tactical mobile robot. It is designed for use by first responders to carry out dangerous missions in high-threat scenarios.

The Avatar III robot can perform surveillance and reconnaissance, building and route clearance, HazMat handling, improvised explosives device (IED) detection, checkpoint, and vehicle and personnel inspections. It can be easily configured based on the operators' mission needs.

**Life Span:** Unknown

**Manufacturer's Description:** The AVATAR® III is a rugged, easy-to-use tactical robot that enhances the capabilities of law enforcement and first-responders by allowing them to safely and quickly inspect dangerous situations. The AVATAR III is completely customizable with plug-n-play payload bays, allowing users to build the robot to fit their needs.

**Purpose:** Robots may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available

or are less effective. This tool is used to remotely monitor a situation where risks and hazards may be present, and / or it is advantageous for remote ground viewing

**Authorized Uses:** Robots have numerous applications, including working with or in place of human personnel. Situations for authorized use include providing situational awareness, searching for evading suspects hiding in residences, yards / neighborhoods, searching for missing persons / objects, and / or any other scenario where it can mitigate risk and harm to human life.

**Fiscal Impact:** Unknown. Potential maintenance costs including battery replacement (depending on frequency of use and charging) and replacement of broken / missing parts.

**Policy and Procedure:** N/A

**Training:** Personnel must show proficiency in the operation of the robot prior to deploying it. Training consists of familiarizing oneself with the controls and operating the payloads through repeated practice and use.

### **Flashbangs:**

**Type:** *Low Roll Distraction Device by Defense Technology Model: 8933*

**Quantity:** 30

**Cost:** \$50 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Diversionary Devices are capable of releasing large amounts of stored energy in the form of heat, light, pressure, and noise. They are intended to temporarily distract, confuse, and disorient subjects. They can also be used as “attention-getting” devices.

**Manufacturer’s Description:** The Low Roll® Distraction Device® is a reloadable gun steel body with hex design. This newest version of the first reusable non-bursting canisters limits movement and rolling once deployed. The diameter of the hex design body is 2.0 in., 5.0 cm. overall length is 5.0 in., 12.7 cm. The Low Roll bodies’ ergonomic features complement its powerful output of light, sound and twelve top port configuration which results in an even distribution of gases from the opposing ends of the canister. The distinctive shape and capabilities are tools for dynamic entries for police, corrections, and military tactical teams worldwide. The training reload are to be used only when they are screwed into the Distraction Device® body.

**Purpose:** The flashbangs are used as a distraction device and to provide an added degree of officer safety by disorienting subjects.

**Authorized uses:** Diversionary Devices are to be used exclusively by the SWAT Unit. Diversionary Devices can be used in high-risk tactical operations as an attention getting device. They can also be used during high-risk warrants, hostage rescue incidents, and some mobile field force incidents.

**Fiscal Impact:** None

**Policy and Procedure:** N/A

**Training:** SWAT Officers must successfully complete an 80-hour SWAT Academy and are subject to ongoing extensive classroom and practical application training in the use of the Diversionary Devices. Additionally, SWAT Officers regularly train on safe device deployment in a variety of operational settings.

**Flashbang Serial #'s:**

1313091	1344826
1344828	1313070
1344839	1313066
1344773	1312924
1313093	1313094
1313069	1313090
1344830	1313067
1344842	1344844
1344847	1313068
1344834	1344835
1344831	1313084
1344829	1344832
1344837	1313078
1313045	1344840
1313046	1344824

**Type:** *Combination Tactical Systems 9 Bang Flashbang - Model: 7290-9*

**Quantity:** 6

**Cost:** \$55 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Diversionary Devices are capable of releasing large amounts of stored energy in the form of heat, light, pressure, and noise. They are intended to temporarily distract, confuse, and disorient subjects. They can also be used as “attention-getting” devices.

**Manufacturer's Description:** The patented multi-bangs feature top and bottom non-fragmenting, minimal movement devices that perform with high reliability incorporating CTS Superior fuse components with the patented and US Army adopted Confidence Clip and pin shroud.

**Purpose:** The flashbangs are used as a distraction device and to provide an added degree of officer safety by disorienting subjects.

**Authorized uses:** Diversionary Devices are to be used exclusively by the SWAT Unit. Diversionary Devices can be used in high-risk tactical operations as an attention getting device. They can also be used during high-risk warrants, hostage rescue incidents, and some mobile field force incidents.

**Fiscal Impact:** None

**Policy and Procedure:** N/A

**Training:** SWAT Officers must successfully complete an 80-hour SWAT Academy and are subject to ongoing extensive classroom and practical application training in the use of the Diversionary Devices. Additionally, SWAT Officers regularly train on safe device deployment in a variety of operational settings.

**Flashbang Serial #'s:**

0477237	0477238
0477241	0477239
0477236	0477240

**Type:** *Defense Technology Distraction Device 12-Gram Reload Model: 8901*

**Quantity:** 33

**Cost:** \$25 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Diversionary Devices are capable of releasing large amounts of stored energy in the form of heat, light, pressure, and noise. They are intended to temporarily distract, confuse, and disorient subjects. They can also be used as "attention-getting" devices. The reload reduces cost of single use flashbangs by allowing the reloading of a reusable flashbang body.

**Manufacturer's Description:** The Distraction Device® Reload utilizes a standard military-style M201A1 type fuse and produces 175 dB of sound output at 5 feet and 6-8 million candelas for 10 milliseconds. The reload is available with and without a safety clip.

**Purpose:** The flashbangs are used as a distraction device and to provide an added degree of officer safety by disorienting subjects. The reload allows for changing the fuse in a reusable flashbang body.

**Authorized uses:** Diversionary Devices are to be used exclusively by the SWAT Unit. Diversionary Devices can be used in high-risk tactical operations as an attention getting device. They can also be used during high-risk warrants, hostage rescue incidents, and some mobile field force incidents.

**Fiscal Impact:** None

**Policy and Procedure:** N/A

**Training:** SWAT Officers must successfully complete an 80-hour SWAT Academy and are subject to ongoing extensive classroom and practical application training in the use of the Diversionary Devices. Additionally, SWAT Officers regularly train on safe device deployment in a variety of operational settings.

**Flashbang Serial #'s:**

1313047	1313048	1313049	1313050
1313051	1313052	1313053	1313054
1313055	1313056	1313057	1313058
1313060	1313061	1313062	1313063
1313064	1313065	1313072	1313073
1313074	1313075	1313076	1313077
1313079	1313080	1313081	1313082
1313083	1313086	1313087	1313088
1313089			

**Sniper Rifles:**

**Rifle #1**

**Type:** AR-10 semi-automatic .308 caliber precision rifle, built by Gruning Precision

**Serial #s** PA0006484 & PA0006485

**Quantity:** 2

**Cost:** \$3,525 per rifle

**Capabilities:** A sniper rifle is a high-precision, long-range rifle. Requirements include accuracy, reliability, mobility, concealment and optics for anti-personnel, anti-material and surveillance uses. The sniper rifle is a portable shoulder-fired weapon system with a choice between bolt-action or semi-automatic action, fitted with a telescopic sight for extreme accuracy and chambered for a high-ballistic performance centerfire cartridge, in our case .308 caliber.

The AR10 platform has a modular design allowing it to be configured into a variety of roles, from a reliable carbine maneuvering through tight corners and confines of urban environments, to a precision tactical rifle capable of extremely accurate shot placement at varying distances.

**Life Span:** 10,000 rounds or until the rifle consistently shoots outside of the standard MOA (minute of angle).

**Manufacturer's Description:** This custom built AR10 rifle is equipped with a stainless-steel barrel in a heavy contour. The barrel has been chambered for the .308 Winchester 168 gr. cartridge, cut to 20" OAL, and machined for the FA762K Surefire Suppressor.

**Purpose:** Precision rifles may be utilized to enhance the department's mission of protecting lives and maintaining public safety when other means and resources are not available or are less effective. The sniper rifle is used by the sniper cadre within the Special Weapons and Tactics (SWAT) team

**Authorized Uses:** Authorized SWAT operators may deploy the sniper rifle in any circumstance where the operator can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the sniper rifle may include, but are not limited to:

Situations where the operator reasonably anticipates an armed encounter.

Situations that may require accurate and effective fire at long range.

Situations where an operator reasonably expects the need to meet or exceed a suspect's firepower.

Situations where an operator reasonably believes there may be a need to fire on a barricaded person or a person with a hostage.

Situations where an operator reasonably believes a suspect may be wearing body armor.

Situations authorized or requested by a supervisor.

**Fiscal Impact:** Unknown. Maintenance costs vary depending on frequency of use and replacement of worn, broken, or parts that need to be upgraded.

**Policy and Procedure:** Lexipol Policy 306.3.3 Patrol Rifles, Policy 306.6 Firearms and Training Qualification, Policy 300 Use of force. Policy 404.5 Swat Uniforms and Equipment: Firearms.

**Training:** Sniper personnel must attend and successfully pass a sniper training course followed by monthly trainings on precision and long range shooting as well as decision making scenarios.

## Rifle #2

**Type:** .308 caliber, bolt-action, precision Tikka T3x rifle, built by Sako

**Serial #** Y34200

**Quantity:** 1

**Cost:** \$1,300

**Capabilities:** A sniper rifle is a high-precision, long-range rifle. Requirements include accuracy, reliability, mobility, concealment and optics for anti-personnel, anti-material and surveillance uses. The sniper rifle is a portable shoulder-fired weapon system with a choice between bolt-action or semi-automatic action, fitted with a telescopic sight for extreme accuracy and chambered for a high-ballistic performance centerfire cartridge, in our case .308 caliber.

**Life Span:** 10,000 rounds or until the rifle consistently shoots outside of the standard MOA (minute of angle).

**Purpose:** Precision rifles may be utilized to enhance the department's mission of protecting lives and maintaining public safety when other means and resources are not available or are less effective. The sniper rifle is used by the sniper cadre within the Special Weapons and Tactics (SWAT) team

**Authorized Uses:** Authorized SWAT operators may deploy the sniper rifle in any circumstance where the operator can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the sniper rifle may include, but are not limited to:

Situations where the operator reasonably anticipates an armed encounter.

Situations that may require accurate and effective fire at long range.

Situations where an operator reasonably expects the need to meet or exceed a suspect's firepower.

Situations where an operator reasonably believes there may be a need to fire on a barricaded person or a person with a hostage.

Situations where an operator reasonably believes a suspect may be wearing body armor.

Situations authorized or requested by a supervisor.

**Fiscal Impact:** Unknown. Maintenance costs vary depending on frequency of use and replacement of worn, broken, or parts that need to be upgraded.

**Policy and Procedure:** Lexipol Policy 306.3.3 Patrol Rifles, Policy 306.6 Firearms and Training Qualification, Policy 300 Use of force. Policy 404.5 Swat Uniforms and Equipment: Firearms.

**Training:** Sniper personnel must attend and successfully pass a sniper training course followed by monthly trainings on precision and long range shooting as well as decision making scenarios.

