

Folsom Police Department AB481 Equipment List 2022

Armored Personnel Carrier

Make: Lenco

Model: Bearcat G2

Capabilities:

The Lenco Bearcat is an armored vehicle built on a Ford F550 frame and is manufactured for law enforcement purposes. The purpose of the Bearcat armored vehicle is to provide ballistic protection to officers and citizens from gunfire. The armored vehicle stops rifle rated rounds including .50 caliber which is commercially available and beyond the protection level of shield and personal body armor possessed by the department.

The Bearcat is often deployed several times a month by SWAT personnel while serving high risk search warrants or assisting other agency. It can be utilized by trained patrol personnel to rescue downed officers and citizens. The Bearcat has been struck by gunfire several times and protected the officers inside, behind it, and the community.

Protecting officers allows them to contain the suspect and reduce the immediacy of the threat while communicating and de-escalating. Crisis Negotiations Team (CNT) members have operated from inside the armored vehicles during search warrant and SWAT callouts where they communicate with the suspect and attempt to de-escalate.

Cost: \$275,000

Anticipated yearly maintenance cost: \$1,000

Life Span: 25 years

Inventory: 1

Training: All driver/ operators shall attend formalized instruction and be trained in vehicle operations and practical driving instruction.

Legal and Procedural Rule: Use is established under FPD Policy 705. It is the policy of the Department to utilize armored vehicles only for official law enforcement purposes, and pursuant to State and Federal law.

Long Range Acoustic Device (LRAD)

Make: American Tech Cord

Model: 500

Capabilities:

The LRAD is a communication device that allows the user to focus a broadcast at a specific person, group, structure, or area like how a spotlight focuses light when compared to a flood light. LRAD voice broadcast systems are louder and significantly more intelligible than bullhorns and vehicle PA systems. LRAD systems ensure law enforcement's warning, commands, and instructions are clearly heard and understood.

The LRAD is used on a regular basis in the service of high-risk search warrants where SWAT members call the occupants out of a residence. This use of de-escalation lessens the chance of a force-on-force encounter between a suspect, officer, and citizens.

The LRAD can also be used during protests activities to give warnings prior to arrest and to give instructions on avenues of egress prior to any arrests being made as required by section 726 of the Penal Code.

The LRAD can also be used in the event of a civil disaster such as a flood or fire to ensure that citizens are notified of potential harm.

Cost: \$1,000

Anticipated yearly maintenance cost: 0

Life Span: 25 years

Inventory: 1

Training: All operators receive training prior to operating the LRAD in the field.

Legal and Procedural Rules: Use is established under FPD Policy 312. It is the policy of the FPD to utilize the LRAD only for official law enforcement purposes, and pursuant to State and Federal law.

40MM Projectile Launcher

Make: Defense Technology

Model: 37MM Tactical Single Launcher

Capabilities:

The 37mm single launcher is used by SWAT personnel to deploy Direct Impact rounds, Exact Impact rounds, Liquid CS Ferret rounds, Spede-Heat CS rounds, OC Muzzle Blast, Ariel Distraction Devices, OC Ariel Distraction Devices, CS Ariel Distraction Devices, and Spede-Heat Smoke rounds.

The 37mm single launcher can be used by SWAT personnel as a less lethal tool to launch impact rounds. The range of the weapon system helps to maintain space between officers and a suspect, reducing the immediacy of the threat which is a principle of De-escalation.

The 37mm single launcher is also used by members of the SWAT team who have been trained in the deployment and use of chemical agents. This system allows us to deploy chemical agents into a structure, vehicle, or area occupied by a barricaded subject forcing them out to a custody team and limiting the likelihood of a force-on-force encounter between the officers and suspect in a confined area.

The 37mm single launcher can be used in crowd and riot control situations to deploy chemical agents, smoke, and Aerial Distraction Devices.

Cost: \$300

Anticipated yearly maintenance cost: 0

Life Span: 25 years

Inventory: 2

Training: Sworn members utilizing munitions launchers are trained by POST certified chemical agent instructors and POST certified less lethal instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4, and Policy 311. It is the policy of the FPD to utilize projectile launchers only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

40MM Projectile Launcher

Make: Defense Technology

Model: 1440 40MM Tactical 4-Shot Launcher

Capabilities:

The 40mm 4-shot launcher deploys the same munitions as the single launcher and holds 4 rounds instead of 1. One of the benefits of the multi launcher is that it allows SWAT officers deploying gas to deploy it quicker than standing and reloading, exposing themselves to the possibility of gunfire from the suspect. It also allows for faster follow up shots in crowd and riot

control situations because the officers are not spending as much time reloading. It has a range of 5-131 feet.

Cost: \$300

Anticipated yearly maintenance cost: 0

Life Span: 15 years

Inventory: 2

Training: Sworn members utilizing munitions launchers are trained by POST certified chemical agents instructors and POST certified less lethal instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4, and Policy 311. It is the policy of the FPD to utilize projectile launchers only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

37MM Projectile Launcher

Make: Penn Arms

Model: L637-1

Capabilities:

The 37mm 6-shot launcher deploys the same munitions as a single launcher and holds 6 rounds instead of 1. One of the benefits of the multi launcher is that it allows Officers deploying impact rounds to deploy it quicker than standing and reloading, exposing themselves longer to the suspect. It also allows for faster follow up shots in crowd and riot control situations because the officers are not spending as much time reloading.

Cost: \$300

Anticipated yearly maintenance cost: 0

Life Span: 25 years

Inventory: 1

Training: Sworn members utilizing munitions launchers are trained by POST certified chemical agents instructors and POST certified less lethal instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4, and Policy 311. It is the policy of the FPD to utilize projectile launchers only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

37MM Projectile

Make: Sage

Model: KO1/S Impact Baton

Capabilities:

This less lethal impact round is a 37mm rubber baton round and is deployed from our 37mm 6-shot launcher. The range the projectile provides helps to maintain space between officers and a suspect reducing the immediacy of the threat which is a principle in de-escalation.

Cost: \$30

Anticipated yearly maintenance cost: \$0

Life Span:

Inventory: 17

Training: Sworn members utilizing munitions launchers are trained by POST certified chemical agents instructors and POST certified less lethal instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize impact munitions only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

37MM Projectile

Make: Sage

Model: K03OC/S OC Impact Baton

Capabilities:

This less lethal impact round is a 37mm round with a crushable foam tip that is meant to crush on impact and deploy a payload of OC powder. This round is deployed from our 37mm 6-shot launcher. The range of the projectile helps to maintain space between officers and a suspect reducing the immediacy of the threat which is a principle in de-escalation.

Cost: \$30

Anticipated yearly maintenance cost: \$0

Life Span:

Inventory: 6

Training: Sworn members utilizing munitions launchers are trained by POST certified chemical agents instructors and POST certified less lethal instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize impact munitions only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

12 Gauge Projectile Launcher

Make: Winchester

Model: Lake Erie Chemical Launcher Attachment

Capabilities:

These launching cups attach to 12 gauge less lethal shotguns and allow us to launch canisters of chemical agents or smoke. The use of canisters often minimizes damage to the structure when utilized for deploying chemical agents on a barricaded subject. It also limits the danger to the officers deploying gas because they need to deploy vastly fewer canister munitions compared to liquid ferret rounds. Fewer rounds entering the house is also safer for the barricaded suspect. It also launches the rounds a lot further than an officer could throw extending the ability and safety of the officers involved.

Cost: \$500

Anticipated yearly maintenance cost: \$0

Life Span: 25 years

Inventory: 1

Training: Sworn members utilizing munitions launchers are trained by POST certified chemical agent instructors and POST certified less lethal instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4, and Policy 311. It is the policy of the FPD to utilize munition launchers only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

12 Gauge Projectile Launcher

Make: Defense Technology

Model: 1370 12-Gauge TkO/ Launching Cup

Capabilities:

These launching cups attach to 12 gauge less lethal shotguns and allow us to launch canisters of chemical agents or smoke. The use of canisters often minimizes damage to the structure when utilized for deploying chemical agents on a barricaded subject. It also limits the danger to the officers deploying gas because they need to deploy vastly fewer canister munitions compared to liquid ferret rounds. Fewer rounds entering the house is also safer for the barricaded suspect. It also launches the rounds a lot further than an officer could throw extending the ability and safety of the officers involved.

Cost: \$40**Anticipated yearly maintenance cost: \$0****Life Span: 25 years****Inventory: 1**

Training: Sworn members utilizing munitions launchers are trained by POST certified chemical agent instructors and POST certified less lethal instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4, and Policy 311. It is the policy of the FPD to utilize munition launchers only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Diversionsary Device (Flash Bang)**Make:** Defense Technology**Model:** 8933 Low Roll Distraction Device**Capabilities:**

The diversionsary device is a reusable non-bursting canister which limits movement and rolling once deployed. The device produces atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6-8 seconds) psychological/ psychological sensory deprivation. This will distract the suspect giving the SWAT officers time to advance on the suspect or location. This device enhances officer safety.

Cost: \$30**Anticipated yearly maintenance cost: \$0****Life Span:** Reusable 25 times**Inventory: 35**

Training: Prior to use, officers must attend inhouse training conducted by POST certified instructors or attend POST certified training.

Legal and Procedural Rules: Use is established under FPD Policy 300. It is the policy of the FPD to utilize diversion devices only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Diversionsary Device (Flash Bang)

Make: Defense Technology

Model: 8908CI Command Initiated Distraction Device

Capabilities:

The command initiated reload can be initiated on command, from a remote point, alleviating initiation delay. This device increases officer safety by limiting officer exposure by allowing the officer to initiate the device from a location of cover. The device can be set up at a specific location ensuring the exact location before the device is activated.

Cost: \$35

Anticipated yearly maintenance cost: 0

Life Span:

Inventory: 8

Training: Prior to use, officers must attend inhouse training conducted by POST certified instructors or attend POST certified training.

Legal and Procedural Rule: Use is established under FPD Policy 300. It is the policy of the FPD to utilize diversion devices only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Specialized Firearms

Make: Colt M4 Carbine (11.5")

Model: Enhanced Patrol Rifle

Capabilities:

These rifles fire an intermediate-power cartridge (.223) which is more powerful than a standard pistol but less powerful than a standard rifle. It's a short barreled rifle which allows SWAT Officers better control while inside of structures while still providing great accuracy.

Cost: \$1,100

Anticipated yearly maintenance cost: 0

Life Span: 10-15 years

Inventory: 14

Training: Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification once a year.

Legal and Procedural Rule: Use is established under FPD Policy 300 and Policy 311. It is the policy of the FPD to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Specialized Firearms

Make: Accuracy International

Model: AT-.308

Capabilities:

This weapon shoots a heavier round. It is utilized when there is a potential need to engage a target further away than the capabilities of our issued rifles or to engage a target behind an intermediate barrier such as glass or metal. The weapon is often deployed in an overwatch capacity to protect the public during events such as the International Marathon.

Cost: \$5,000

Anticipated yearly maintenance cost: 0

Life Span: 10-15 years

Inventory: 4

Training: Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification once a year.

Legal and Procedural Rule: Use is established under FPD Policy 300 and Policy 311. It is the policy of the FPD to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Specialized Firearms

Make: Benelli

Model: M3 Tactical Shotguns

Capabilities:

This is a 12-gauge semi-automatic pump shotgun used by SWAT officers. The semi-automatic capability reduces time between rounds versus a standard pump action shotgun. Not having to manipulate a fore-end gives SWAT officer the ability to get back on target faster increasing officer safety. The round is good for defeating barriers.

Cost: \$800

Anticipated yearly maintenance cost: 0

Life Span: 10-15 years

Inventory: 3

Training: Prior to using a shotgun, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any shotgun are required to pass a range qualification once a year.

Legal and Procedural Rule: Use is established under FPD Policy 300 and Policy 311. It is the policy of the FPD to utilize shotguns only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 37mm CS 1192

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. This round provides the ability to penetrate structures where suspects are refusing to comply with commands. The round is a frangible projectile filled with chemical agent. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers the .16 oz. agent payload inside a structure.

Cost: \$40

Anticipated yearly maintenance cost: \$0

Life Span: 5

Inventory: 5

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 37mm OC 1160

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. This round provides the ability to penetrate structures where suspects are refusing to comply with commands. The round is a frangible projectile filled with chemical agent. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers the .16 oz. agent payload inside a structure.

Cost: \$40

Anticipated yearly maintenance cost: \$0

Life Span: 5

Inventory: 8

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Combined Tactical Systems

Model: 37mm Riot CS Powder Muzzle Blast

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. This cartridge is designed to blast irritant powder directly from the muzzle toward a hostile crowd or individual.

Cost: \$40**Anticipated yearly maintenance cost: \$0****Life Span: 5****Inventory: 1**

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas**Make:** Combined Tactical Systems**Model:** 2430 CS/ 12-gauge barricade**Capabilities:**

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. This round is a liquid filled, non-burning, fin-stabilized round designed to penetrate light to intermediate barriers such as windows and hollow core doors. The projectiles break upon impact and deliver agent payloads of liquid throughout the adjacent target area.

Cost: \$8**Anticipated yearly maintenance cost: \$0****Life Span: 5****Inventory: 9**

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Combined Tactical Systems

Model: 2440- 12-gauge OC powder

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. This round is a powder filled, non-burning, fin-stabilized round designed to penetrate light to intermediate barriers such as windows and hollow core doors. The projectiles break upon impact and deliver agent payloads of OC powder throughout the adjacent target area.

Cost: \$8

Anticipated yearly maintenance cost: \$0

Life Span: 5

Inventory: 5

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 40mm liquid barricade penetrator round, OC 2260

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. 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.

Cost: \$10

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 40 mm powder barricade round, CS 2292

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. 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.

Cost: \$10

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 16

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 40 mm liquid barricade penetrator round, CS 2262

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. 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.

Cost: \$10

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 40 mm powder barricade round, OC 2290

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. 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.

Cost: \$10**Anticipated yearly maintenance cost: \$0****Life Span: 5 years****Inventory: 11****Training:** Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.**Legal and Procedural Rules:** Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.**Tear Gas****Make:** Defense Technology**Model:** Triple-chaser separating canister, CS 1026**Capabilities:**

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Triple-Chaser CS consists of three separate canisters pressed together with separating charges between each. When deployed, the canisters separate and land approximately 20 feet apart allowing increased area coverage in a short period of time. This grenade can be hand thrown or launched from a fired delivery system. The grenade is 6.5 in. by 2.7 in. and holds an approximately 3.2 oz. of active agent payload. It has an approximate burn time of 20-30 seconds.

Cost: \$32**Anticipated yearly maintenance cost: \$0**

Life Span: 5 years

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 12-gauge liquid barricade round, CS 3012

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Ferret 12-Gauge Liquid CS non pyrotechnical properties also eliminate the fire hazard common with other products. These munitions are a 2.5 in. 12-Gauge round deploying .025 oz. of active agent.

Cost: \$10

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 12-gauge powder barricade round, CS 3092

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Ferret 12-Gauge Powder CS non pyrotechnic properties also eliminate the fire hazard common with other products. The powder carrier improves barricade penetration potential.

Cost: \$10**Anticipated yearly maintenance cost: \$0****Life Span: 5 years****Inventory: 10****Training:** Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.**Legal and Procedural Rules:** Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.**Tear Gas****Make:** Defense Technology**Model:** Ferret 12-gauge powder barricade round, OC 3090**Capabilities:**

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Ferret 12-Gauge Powder OC non pyrotechnical properties also eliminate the fire hazard common with other products. These munitions are a 2.5 in. 12-Gauge round deploying .002 oz. of active agent.

Cost: \$8**Anticipated yearly maintenance cost: \$0****Life Span: 5 years****Inventory: 10****Training:** Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Ferret 12-gauge liquid barricade round, OC 3010

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Ferret 12-Gauge Liquid OC non pyrotechnical properties also eliminate the fire hazard common with other products. These munitions are a 2.5 in. 12-Gauge round deploying .015 oz. of active agent.

Cost: \$10

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: 12-gauge barricade projectile, CS 23

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Ferret 12-Gauge Powder CS non pyrotechnic properties also eliminate the fire hazard

common with other products. The Ferret round is available with either liquid or powder carriers for the agent. The powder carrier improves barricade penetration potential.

Cost: \$10

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Smith & Wesson

Model: 12-gauge barricade projectile, CS

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. Non-pyrotechnical 12-Gauge barricade round with a small CS charge.

Cost: \$10

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 4

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Aerosol OC/CS grenade 1050

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. Designed for indoor use, this grenade contains no CFCs, is not a fire hazard and requires minimal decontamination by comparison to smoke, powders, or liquids. The Aerosol Grenade is most commonly used in tactical situations by Law Enforcement and was designed with indoor operations in mind when a non fire-producing delivery system is desired. It is most effective when used in confined areas and close to the target area. Used to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects. The Aerosol Grenade is ideal for barricade situations where the use of pyrotechnic, powder, or liquid devices is not practical or desired. The OC and CS combination provide sufficient effects in confined areas of up to 1,500 square feet.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 3

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Spede-Heat continuous discharge chemical grenade, OC 1070

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders.

The Spede-Heat OC 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 1.09 oz. of active agent.

Cost:

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 8

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Riot control continuous discharge grenade, OC 1080

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Riot Control OC Grenade is designed specifically for outdoor use in crowd control situations with a high-volume continuous burn that expels its payload in approximately 20-40 seconds through four gas ports located on the top of the canister. This grenade can be used to conceal tactical movement or to route a crowd. The volume of smoke and agent is vast and obtrusive. This launchable grenade is 6.0 in. by 2.35 in. and holds approximately 0.88 oz. of active agent.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 5

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Instantaneous blast CS grenade 1042

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. 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 6.12 in. by 2.62 in. grenade will deliver approximately 1.5 oz. of active agent.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 4

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Spede-Heat continuous discharge chemical grenade, CS 1072

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. 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.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 4

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Flameless tri-chamber CS grenade 1032

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. 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 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.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 2

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Flameless tri-chamber OC grenade 1030

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. Designed for law enforcement, the OC Flameless Tri-Chamber Pyrotechnic Grenade combines the effectiveness of Oleoresin Capsicum (OC) as an incapacitating agent with the flexible delivery methods, range, and area coverage of pyrotechnic munitions. The OC Flameless Tri-Chamber Grenade can be used in crowd control, or barricade situations, as a less lethal solution to incapacitate subjects through temporary respiratory discomfort, while reducing or negating the chance of fire to structures. The Tri-Chamber Flameless Grenade can be used in crowd control as well as tactical deployment situations by Law Enforcement 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.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 3

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Riot control continuous discharge grenade, CS 1082

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Riot Control CS Grenade is designed specifically for outdoor use in crowd control situations with a high-volume continuous burn that expels its payload in approximately 20-40 seconds through four gas ports located on the top of the canister. This grenade can be used to conceal tactical movement or to route a crowd. The volume of smoke and agent is vast and obtrusive. This launchable grenade is 6.0 in. by 2.35 in. and holds approximately 2.7 oz. of active agent.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 14

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Pocket tactical grenade, CS 1016

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. 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.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 11

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Pocket tactical grenade, OC 1019

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The Pocket Tactical OC Grenade is a quick burning, reduced volume, continuous discharge grenade. Pelletized chemical agent is discharged through one (1) gas port located on the bottom of the canister. The Pocket Tactical Grenade is a small, lightweight, easily carried device that provides a medium volume of chemical agent or smoke for certain situations. It was designed with the tactical team in mind for distraction, concealment, rescue, or signaling. The pocket grenade is not specifically intended as a crowd management device; however, it can be used in chemical configurations in conjunction with larger smoke canisters to “piggyback” chemical agent into a predominately smoke environment. This device should be deployed utilizing wind advantage.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 15

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Muzzle blast 40 mm round, OC 6040

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The 40 mm Muzzle Blast OC Round is widely used as a crowd management tool for the immediate and close deployment of chemical agent. It can also be employed in tactical operations such as barricaded subjects for area denial, area contamination, and a means of contaminating crawl spaces and attics. As a pain compliance round it is an excellent device for deploying chemical-laden OC powder at close ranges for indoor or outdoor operations. It has a maximum effective range of 30 feet /9.1 meters.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Tear Gas

Make: Defense Technology

Model: Muzzle blast 40 mm round, CS 6042

Capabilities:

When dealing with tactical situations, it frequently becomes necessary for us to use chemical agents to encourage people to surrender to our authority or comply with our lawful orders. The 40 mm Muzzle Blast CS Round is widely used as a crowd management tool for the immediate and close deployment. It can also be employed in tactical operations such as barricaded subjects, room clearing, area denial, and for small space contamination, and a means of contaminating crawl spaces and attics. As a pain compliance round it is an excellent device for deploying chemical-laden CS powder at close ranges for indoor or outdoor operations. The cloud of agent is very effective in filling holes in dispersals lines or engaging crowds at close distances.

Cost: \$35

Anticipated yearly maintenance cost: \$0

Life Span: 5 years

Inventory: 16

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Smoke

Make: Defense Technology

Model: Smoke Maximum HC Smoke 1083

Capabilities:

Smoke is used to carry tear gas further causing the tear gas to be more effective and cover more area for large riotous crowds. Smoke can also be used as a distraction. The Military-Style Maximum Smoke Grenade comes from the Defense Technology #3 smoke grenade. It is a slow

burning, high volume, continuous discharge grenade designed for outdoor use in crowd management situations. Emits grey-white smoke only for approximately 1.5 to 2 minutes.

Cost: \$38.00

Anticipated yearly maintenance cost: \$0

Life Span: 5

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize smoke only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Smoke

Make: Defense Technology

Model: Triple-Chaser separating canister, SAF-Smoke 1027

Capabilities:

Smoke is used to carry tear gas further causing the tear gas to be more effective and cover more area for large riotous crowds. Smoke can also be used as a distraction. The Triple-Chaser Saf-Smoke consists of three separate canisters pressed together with separating charges between each. When deployed, the canisters separate and land approximately 20 feet apart allowing increased area coverage in a short period of time. This grenade can be hand thrown or launched from a fired delivery system and is an effective way to quickly deploy a wide blanket of agent.

Cost: \$38.00

Anticipated yearly maintenance cost: \$0

Life Span: 5

Inventory: 10

Training: Sworn members utilizing chemical agents are trained by POST certified chemical agent instructors.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize smoke only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Specialized Firearms

Make: Colt (11.5-inch barrel)

Model: M4 Carbine – Enhanced Patrol Rifle

Capabilities:

Equipped with optical sight systems and mounted flashlights, the short-barreled rifle (SBR) fires an intermediate-power cartridge (.223/5.56) which is more powerful than a standard pistol but less powerful than a standard rifle. The SBR gives police officers better maneuverability in and out of patrol vehicles and motorcycles. The SBR is ideal for close quarter deployments inside of structures and provides improved accuracy for long distance engagements.

Cost: \$1,190.00

Anticipated yearly maintenance cost: \$50.00

Life Span: 10-15 years

Inventory: 24

Training: Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification once a year.

Legal and Procedural Rule: Use is established under FPD Policy 300 and Policy 311. It is the policy of the FPD to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Specialized Firearms

Make: Colt (16-inch barrel)

Model: M4 Carbine AR-15

Capabilities:

Equipped with optical sight systems and mounted flashlights, these rifles fire an intermediate-power cartridge (.223/5.56) cartridge which is more powerful than a standard pistol but less powerful than a standard rifle. Provides improved accuracy for long distance engagements.

Cost: \$940.00

Anticipated yearly maintenance cost: \$50.00

Life Span: 10-15 years

Inventory: 22

Training: Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification once a year.

Legal and Procedural Rule: Use is established under FPD Policy 300 and Policy 311. It is the policy of the FPD to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Specialized Firearms

Make: Remington

Model: 870 Pump Action Shotgun – Less Lethal

Capabilities:

Equipped with mechanical sights, the less lethal shotgun is identified by bright orange furniture and fires a drag-stabilized, kinetic energy projectile. Designed to reduce serious physical injury and/or death during confrontations with violent persons, the less lethal shotgun gives officers the ability to engage armed persons from a safe distance.

Cost: \$500.00

Anticipated yearly maintenance cost: \$50.00

Life Span: 15-20 years

Inventory: 10

Training: Sworn members utilizing less lethal shotguns are trained by POST certified instructors for 2 hours.

Legal and Procedural Rules: Use is established under the FPD Policy 300, subsection 308.4. It is the policy of the FPD to utilize impact munitions only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Mobile Command and Communications Unit

Make: LDV Custom Specialty Vehicles

Model: Command Vehicle

The LDV Custom Specialty Vehicle is a mobile command center built on a 2006 Freightliner chassis and customized for law/fire command/communication purposes. The purpose of the LDV Mobile Command and Communication Unit (MCCU) is to provide an interior space for command staff to plan and organize responses to critical incidents and special events. The MCCU is specially equipped with an onboard dispatch center, a command area, and a radio interoperability system (RIOS) which allows radio communication between local, state, and federal law enforcement entities which currently operate under different radio systems/frequencies. The vehicle contains radios with varying frequencies including 800 megahertz, very high frequency (VHF), ultrahigh frequency (UHF), low band, and short-wave radio systems. The vehicle has internet capability and computer resources along with access to television channels allowing access to real time news/information. The vehicle is also equipped with a video downlink system allowing command staff to view live feeds from fire/law enforcement aircraft and UAS devices.

Folsom Police personnel perform monthly training with the MCCU. The MCCU has been deployed to major incidents including the Camp Fire, officer involved shootings (including the murder of SPD Officer Tara O'Sullivan), and the Roseville Galleria Fire, during regional police motor competitions, and is a resource available to critical incident negotiation teams in three counties. Crisis Negotiating Team members from the Sacramento Sheriff Department have utilized the MCCU to negotiate with suspects on critical incidents. The MCCU has also been deployed to assist the Placerville Police Department (El Dorado County) and the Placer County Sheriff's Office during special events. Locally, it has been used during numerous special events within the city including Folsom Live, The Folsom Pro Rodeo, and Amgen Tour of California.

Cost: 750,000

Anticipated yearly maintenance cost:

Life Span: 20 years

Inventory: 1

Training: The MCCU operators will receive training in the overall operation of the vehicle to include set up and break down procedures, and skills training in the computer, dispatch, and

radio systems. The drivers will receive training in the safe handling of the vehicle with the assistance of an experienced driver. Drivers will undergo California Department of Motor Vehicles commercial vehicle testing. This training will occur on a bi-monthly basis.

Legal and Procedural Rules:

It is the policy of the Department to use the MCCU for fire official fire and law enforcement purposes, and in accordance with California State law regarding operation of motor vehicles

Anti-Vehicle Barrier

Make: Meridian Rapid Defense Group

Model: Archer 1200

The Archer 1200 Anti-Vehicle Barrier is a portable barrier which can protect closed areas from vehicle-ramming attacks. These barriers replace wooden, and water filled barricades during special events and are easily deployed when there is an increase in the level of threat to a specific location or crowded area. They allow for pedestrians to move between them but can stop vehicles from entering closed areas. These barriers will be used during special events and critical incidents where pedestrian safety is a concern.

The Folsom Police Department has applied for a grant to obtain 16 barriers but have not taken possession yet.

Cost: 150,000

Anticipated yearly maintenance cost: \$0

Life Span: 10

Inventory: 16 barriers, 1 trailer, 2 haulers

Training: All officers deploying the vehicle barriers will receive training on how to properly load, unload, move, and deploy the barriers in the field.

Legal and Procedural Rules: It will be the policy of the Department to use the vehicle barriers for official law enforcement purposes including road closures, and special events

Unmanned Aircraft Systems (UAS)

UAS

A UAS is an aircraft vehicle and its associated equipment that do not carry a human operator, but instead are remotely piloted or fly autonomously. The UAS usage is established under Folsom Police Policy 391. Only assigned operators who have completed the required training are permitted to operate any UAS during approved missions. Over the years UAS' have been recognized as important tools for public safety missions as they reduce risks to first responder personnel and the general public. Each of Folsom Police Department's current UAS' have their own specific capabilities but in general all are equipped with high resolution cameras. This technology provides officers or incident commanders with a birds eye view during situations, which include but are not limited to:

- Public safety such as search and rescue operations.
- Traffic collision investigations and reconstruction.
- Forensic photography and crime scene documentation.
- Emergency disaster response.
- SWAT, tactical or other public safety and life preservation missions.
- In response to specific requests from local, state or federal fire authorities for fire response or prevention.

Folsom Police Department current UAS' and supporting equipment:

UAS

Make: DJI Matrice

Model: 210 w/ Z30 and XT2 cameras

Capabilities:

Large frame platform, weights 13.5lbs. 38 mins. maximum flight time. Can fly in inclement weather. Currently equipped with both a Zenmuse XT2 FLIR IR camera and a Zenmuse Z30 Zoom camera. Ability to provide live stream video to command staff via HDMI port. Also has the ability to carry a payload up to approx. 7.5lbs (feature plans are to equip the UAS with a payload drop delivery system to deliver items in search and rescue situations).

Cost: \$30,000

Anticipated yearly maintenance and battery cost: approx. \$2000

Life Span: 3-5 years

Inventory: 1

Training: 32-hr Basic Pilots Course (or equivalent), FAA Remote Pilot Certificate (Part 107)

Legal and Procedural Rules: Certificate of Authority issued by FAA - #2020-WSA-7949-COA, FAA Part 107 holder and completion of Department Training, Folsom Police Department Policy – Section 391

UAS

Make: DJI

Model: Phantom 4 Pro

Capabilities:

Medium frame platform, weights 3lbs. 30 mins. maximum flight time. Single 4k colored camera. Equipped with supplemental lighting and landing gear. Landing gear allows operator to perch the aircraft on an object or platform, while providing over watch. Camera's technology is compatible with the equipment software used by Traffic Division for Traffic collision reconstruction. Ability to provide live stream video to command staff via HDMI port.

Cost: \$ \$2,500

Anticipated yearly maintenance and battery costs: approx. \$300

Life Span: 3-5 years

Inventory: 1

Training: 32-hr Basic Pilots Course (or equivalent), FAA Remote Pilot Certificate (Part 107)

Legal and Procedural Rules: Certificate of Authority issued by FAA - #2020-WSA-7949-COA, FAA Part 107 holder and completion of Department Training, Folsom Police Department Policy – Section 391

UAS

Make: DJI

Model: Mavic 2 Enterprise Zoom w/Smart Controller

Capabilities:

Medium, foldable frame, weighs 2lbs. 30 mins. maximum flight time. Single 4k colored camera with Zoom capabilities. Equipped with a spotlight and an audible speaker. The speaker allows the operator to transmit instant and/or pre-recorded notifications. Ability to provide live stream video to command staff via HDMI port.

Cost: \$ 3,600

Anticipated yearly maintenance and battery costs: approx. \$400

Life Span: 3-5 years

Inventory: 3

Training: 32-hr Basic Pilots Course (or equivalent), FAA Remote Pilot Certificate (Part 107)

Legal and Procedural Rules: Certificate of Authority issued by FAA - #2020-WSA-7949-COA, FAA Part 107 holder and completion of Department Training, Folsom Police Department Policy – Section 391

UAS

Make: DJI

Model: Mavic 2 Zoom

Capabilities:

Medium, foldable frame, weighs 2lbs. 30 mins. maximum flight time. Single colored 4k camera with Zoom capabilities. Equipped with a spotlight.

Cost: \$1,500

Anticipated yearly maintenance and battery costs: approx. \$400

Life Span:

Inventory: 1

Training: 32-hr Basic Pilots Course (or equivalent), FAA Remote Pilot Certificate (Part 107)

Legal and Procedural Rules: Certificate of Authority issued by FAA - #2020-WSA-7949-COA, FAA Part 107 holder and completion of Department Training, Folsom Police Department Policy – Section 391

UAS

Make: DJI

Model: Mavic Mini 2 - Smart Controller compatible

Capabilities:

Small frame, weighs .55lbs. 30 mins. maximum flight time. Primarily used for interior structure searches to reduce officer's risks. Ability to provide live stream video to command staff via HDMI port.

Cost: \$500

Anticipated yearly maintenance and battery costs: approx. \$80

Life Span: 3-5 years

Inventory: 2

UAS

Make: DJI

Model: Mavic Mini

Capabilities:

Small frame, weights .55lbs. 30 mins. maximum flight time. Primarily used for interior structure searches to reduce officer's risks.

Cost: \$400

Anticipated yearly maintenance cost and battery costs: approx. \$80

Life Span: 3-5 years

Inventory: 1

Training: 32-hr Basic Pilots Course (or equivalent), FAA Remote Pilot Certificate (Part 107)

Legal and Procedural Rules: Certificate of Authority issued by FAA - #2020-WSA-7949-COA, FAA Part 107 holder and completion of Department Training, Folsom Police Department Policy – Section 391

UAS

Make: DJI

Model: Aeroscope (Regional item)

Capabilities:

Portable Drone detection and identification platform. Identifies UAS communication links, gathering information such flight status, paths and other information in real-time. Designed to be used during temporary events where consumer drone usage may pose a potential safety and security challenge.

Cost: Unknown – obtained through UASI grant applied for by regional partners

Anticipated yearly maintenance cost and battery costs: \$400

Life Span: 3-5 years

Inventory: 1

Training: In house departmental training. No POST requirement.

Legal and Procedural Rules: Folsom Police Department Policy – Section 391

UAS

Make: Blu-Link

Model: Streaming box

Capabilities:

Portable streaming box that streams UAS video in real-time HD video over a secure internet connection. Accepts video from compatible UAS', via an HDMI connection. Provides instant situational awareness and scene assessment to command staff.

Cost: \$5400

Anticipated yearly maintenance cost: \$50

Life Span: 3-5 years

Inventory: 1

Training: In house departmental training. No POST requirement.

Legal and Procedural Rules: Folsom Police Department Policy – Section 391