

## MILITARY EQUIPMENT USE

### A. MILITARY USE EQUIPMENT

#### 1. Unmanned, remotely piloted, powered aerial or ground vehicles

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

- i. DJI Phantom 4 Pro+ UAS, system cost \$2,697.83 each, quantity: 1. Weighing approximately 1388 grams and is capable of recording audio and video, with approximately 30 minutes of flight time.
- ii. DJI MAVIC PRO Platinum, system cost: \$2,108, quantity: 1. UAS that weighs approximately 743 grams, approximately 30 minutes flight time and a single-color camera with recording capabilities.
- iii. DJI Air UAS, system cost \$1,438 Quantity 2. Weighing approximately 430 grams is capable of recording video, with approximately 20 minutes of flight time. This drone is also outfitted with propeller guards and is capable of flight indoors.

##### b. Purpose

To be deployed when its view would assist officers or incident commanders with the following situations, which include but are not limited to:

- i. Major collision investigations.
- ii. Search for missing persons.
- iii. Natural disaster management.
- iv. Crime scene photography.
- v. Tactical or other public safety and life preservation missions.
- vi. In response to specific requests from local, state or federal fire authorities for fire response and/or prevention.

##### c. Authorized Use

Only assigned operators who have completed the required training shall be permitted to operate the UAS during approved missions.

##### d. Expected Life Span

All UAS equipment estimated, 3-5 years. No indicated lifespan from manufacturer. Lifespan varies on operational wear and usage

##### e. Fiscal Impact

Annual maintenance and battery replacement cost is approximately \$0-\$500.

##### f. Training

All Department UAS operators are licensed by the Federal Aviation Administration for UAS operation. Legal and Procedural Rules

Use is established under General Policy 606, FAA Regulation 14 CFR Part 107, and the Mariposa County Sheriff's Office UAS policy. It is the policy of the MSO to utilize UAS only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to State and Federal law.

**2. Robots:** Unmanned machine operating on the ground utilized to enhance the safety to the community and officers.

a. Description, quantity, capabilities, and purchase cost

- i. iRobot, Packbot 510 cost: \$77,060, received via 10-33 Program, at no cost. Quantity:1. The iRobot Packbot 510 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.

b. Purpose

To be used to remotely gain visual/audio data, deliver HNT phone, open doors, disrupt packages, and clear buildings.

c. Authorized Use

Only assigned operators who have completed the required training shall be permitted to operate the robots. Use is established by the Tactical Commander and or Incident Commander.

d. Expected Life Span

All robots, 8-10 years.

e. Fiscal Impact

Annual maintenance and battery replacement cost is approximately \$2,000.

f. Training

All robot operators must complete a basic operator class to operate the robot(s). All operators shall demonstrate familiarity and proficiency with safe operations of equipment.

g. Legal and Procedural Rules

It is the policy of the MCSO to utilize a robot only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to State and Federal law.

**3. Mine-resistant ambush-protected (MRAP) vehicles or armored personnel carriers**

a. Description, quantity, capabilities, and purchase cost

- i. MRAP, MAXXPRO, cost: \$658,000, received via 10-33 Program, at no cost, quantity: 1. The MRAP, MAXXPRO, is an armored vehicle that seats 8-10 personnel with open floor plan that allows for rescue of down personnel. It can stop various projectiles, which provides greater safety to citizens and officers beyond the protection level of shield and

personal body armor.

b. Purpose

To be used in response to critical incidents to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical incidents.

c. Authorized Use

The use of armored vehicles shall only be authorized by a watch commander or SWAT commander, based on the specific circumstances of a given critical incident. Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training.

d. Lifespan

MRAP, MAXXPRO, lifespan is 25 years.

e. Fiscal Impact

Annual maintenance cost of approximately \$10,000.

Training

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

f. Legal and Procedural Rules

It is the policy of the Department to utilize armored vehicles only for official law enforcement purposes, and pursuant to State and Federal law.

g. Description, quantity, capabilities, and purchase cost

- i. MAMBA, cost: \$380,000, received via 10-33 Program, at no cost, quantity: 1. The MAMBA, is an armored vehicle that seats 6-8 personnel with open floor plan that allows for rescue of down personnel. It can stop various projectiles, which provides greater safety to citizens and officers beyond the protection level of shield and personal body armor.

h. Purpose

To be used in response to critical incidents to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical incidents.

i. Authorized Use

The use of armored vehicles shall only be authorized by a watch commander or SWAT commander, based on the specific circumstances of a given critical incident. Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training.

j. Lifespan

MAMBA, lifespan is 25 years.

k. Fiscal Impact

Annual maintenance cost of approximately \$10,000.

Training

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

l. Legal and Procedural Rules

It is the policy of the Department to utilize armored vehicles only for official law enforcement purposes, and pursuant to State and Federal law.

**4. Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units**

a. Description, quantity, capabilities, and purchase cost:

- i. A 39' 2006 Keystone Raptor 3814SS Fifth Wheel Travel Trailer up-fitted to function as command center. Initial trailer cost: \$ 59,563.25 with approximately \$10,602.44 in up-fitting. Quantity: 1. The Command Trailer can also be utilized for critical incidents, preplanned large events, searching for missing persons, natural disasters, and community events.
- ii. A 26' 2006 Skyline Weekender Model 241 travel trailer up-fitted as mobile command center. **Initial trailer cost:** N/A, Donated by Health Department with most the up-fitting cost being donated or paid for by non-profit supporting search and rescue team. This trailer is primarily used to support the Search and Rescue Team but can be used to support critical incidents, Pre-planned large events, searching for missing persons, natural disasters and community events.

b. Purpose

To be used based on the specific circumstances of a given critical incident, large event, natural disaster or community event that is taking place.

c. Authorized Use

The Command Trailer shall be used by Deputies/Officers trained in their deployment and in a manner consistent with Department policy and training.

d. Lifespan

The Command Trailers have no indicated lifespan from manufacturer . Lifespan varies on operational wear and usage. Upgrades needed every 5-7 years to maintain IT systems.

e. Fiscal Impact

Annual maintenance cost is approximately \$0 - \$1000 per trailer.

f. Training

The driver/operator shall receive training in movement and operation of the command trailer.

g. Legal and Procedural Rules

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

i. Legal Procedural Rules

Use shall be in accordance with California State law regarding the operation of motor vehicles.

5. **40 MM and 37 MM Launchers and Rounds:** 40MM and 37MM Launchers are utilized by department personnel as a less lethal tool to launch impact rounds.

a. Description, quantity, capabilities, and purchase cost:

- i. Combined Tactical Systems Pen Arms L140-1-1, single-shot break-open frame launcher with rifled barrel, fixed stock and combo rail. Features include: Double Action trigger, trigger lock push button and hammer lock safeties. **Cost** \$806.25 **Quantity:** 9
- ii. Combined Tactical Systems 40mm Sponge Baton, #4557, **Cost per round:** \$19.90 **Quantity:** 330 A less lethal 40mm plastic and Closed Cell Neoprene projectile fired from a single or multi-round purpose built 40mm grenade launcher with a rifled barrel at 240-260 FPS with an effective range of approximately 50 yards

b. Purpose

To limit the escalation of conflict where employment of lethal force is prohibited or undesirable.

c. Authorized Use

Situations for use of the less lethal weapon systems may include, but are not limited to:

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

d. Training

Sworn members utilizing 40MM less lethal impact rounds are trained in their use by POST certified less lethal instructors.

e. Lifespan

Combined Tactical Systems Pen Arms L140-1-1, 40mm Launcher– No lifespan indicated by

manufacture. Lifespan varies on operational usage and wear  
Model 4557 Foam Baton Impact Sponge – 5 Years

f. Fiscal Impact

Annual qualification/ training approximately \$1,200.

g. Legal and Procedural Rules

Use is established under General Policy 303.9 It is the policy of the Mariposa County Sheriff's Office to utilize the 40mm only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

**6. Less Lethal Shotgun:** Less Lethal Shotgun is used to deploy the less lethal 12-gauge Super-Sock Beanbag Round.

a. Description, quantity, capabilities, and purchase cost

- i. REMINGTON 870 LESS LETHAL SHOTGUN, cost: \$946, quantity: 4. The Remington 870 Less Lethal Shotgun is used to deploy the less lethal 12-gauge Super-Sock Beanbag Round up to a distance of 75 feet. 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.
- ii. 12-GAUGE SUPER-SOCK BEANBAG ROUND, cost: \$5, quantity: 63 A less lethal 2.4-inch 12-gauge shotgun round firing a ballistic fiber bag filled with 40 grams of lead shot at a velocity of 270-290 feet per second (FPS). CTS Super-Sock rounds are discharged from a dedicated 12-gauge shotgun that is distinguishable by an orange butt stock and fore grip. This round provides accurate and effective performance when fired from the approved distance of not fewer than five (5) feet. The maximum effective range of this munition is up to 75 feet from the target. The Model 2581 Super-Sock is in its deployed state immediately upon exiting the barrel. It does not require a minimum range to "unfold" or "stabilize." The Super-Sock is an aerodynamic projectile. However, accuracy is relative to the shotgun, barrel length, environmental conditions, and the operator. The Super-Sock is very accurate. However, effectiveness depends on many variables, such as distance, clothing, stature, and the point where the projectile impacts.

b. Purpose

To limit the escalation of conflict where employment of lethal force is prohibited or undesirable.

c. Authorized Use

Situations for use of the less lethal weapon systems may include, but are not limited to:

- i. Self-destructive, dangerous and/or combative individuals.
- ii. Riot incidents.
- iii. Circumstances where a tactical advantage can be obtained.
- iv. .
- v. Training exercises or approved demonstrations.

d. Lifespan

Remington 870 Less Lethal Shotgun- 25 years.  
Super Sock Round- No listed expiration date.

e. Fiscal Impact

Annual maintenance is approximately \$0 for each shotgun.

f. Training

All custodial deputies are trained in the 12 gauge less lethal shotgun as a less lethal option by in-service training.

g. Legal and Procedural Rules

B. It is the policy of the Mariposa County Sheriff's Office to utilize the 40mm only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

## 7. Specialized Firearms and Ammunition

a. Description, quantity, capabilities, and purchase cost

i. Sig Sauer MPX Rifle **Caliber:** 9mm **Action:** Semi-Auto **Barrel Length:** 6" **Cost:** \$1,422.39 **Quantity:** 3.

ii. FN SPR-A5M Rifle, **Caliber:**.308 Winchester, **Action:** Bolt **Barrel Length:** 20" **Cost:**\$2,692.04, **Quantity:** 3.

iii. Winchester 9mm 147GR T Series Reverse Jacketed Hollow Point Ammunition. **Cost:** \$ .32 per round **Quantity:** 1800+ Rounds. Winchester's Ranger T-Series has been relied on for its consistent stopping power in real world situations. The Reverse Jacketed Hollow Point design from Winchester increases its strength for enhanced performance, this is truly one of the best self defense rounds money can buy.

iv. Hornady TAP .308 168GR A-Max Rifle Ammunition **Cost:** \$1.12 per round, **Quantity:** 3200+ Rounds. The 168 gr. A-MAX bullet is a traditional match grade bullet with the performance advantages of a polymer tip. This bullet demonstrates an increase in penetration and retained weight over the 155 gr. A-MAX bullet. Standard barrier performance is exemplary and this load demonstrates controlled and impressive soft tissue expansion without over penetration. The Hornady 168 gr. A-MAX TAP Precision® offers industry leading all-around performance for law enforcement precision marksmen providing the ability to stop a threat.

b. Purpose

To be used as precision weapons to address a threat with more precision and/or greater distances than a handgun, if present and feasible.

c. Authorized Use

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

- d. Lifespan  
FN SPR-A5M .308 Win Rifle: Estimated 10 years, no lifespan indicated by manufacture. Lifespan varies on operational usage and wear  
SIG MPX 9mm Rifle: Estimated 10 years, no lifespan indicated by manufacture. Lifespan varies on operational usage and wear  
Winchester 9mm Ranger 147gr: no expiration  
HORNADY .308: no expiration.
- e. Fiscal Impact  
Annual maintenance is approximately \$0 - \$50 for each rifle.
- f. 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 one time a year.
- g. Legal and Procedural Rules  
Use is established under Mariposa County Sheriff's Office Policy. It is the policy of the Mariposa County Sheriff's Office to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

## 8. Infrared Illuminator/laser:

- a. Description, quantity, capabilities, and purchase cost
  - i. Infrared GCP-2B, cost: \$1,800 each, total cost of \$21,600, received via 10-33, Program at no cost. Quantity: 12. One narrow beam used for aiming the rifle, and one wide beam used for illuminating targets, like a flashlight. The beams can only be seen through night vision goggles.
- b. Purpose  
To be used in conjunction with night vision goggles during nighttime tactical operations.
- c. Authorized Use  
Only assigned personnel who have completed the required training shall be permitted to operate infrared illuminator/laser.
- d. Lifespan  
12 months
- e. Fiscal Impact  
Annual maintenance is approximately \$500.00.
- f. Training

All officers who use infrared illuminator lasers shall complete department approved training.

g. Legal and Procedural Rules

It is the policy of the MCSO to utilize infrared only for official law enforcement purposes, and pursuant to State and Federal law.

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