Assembly Bill 481

Manhattan Beach Police Department (MBPD)

Military Equipment List Attachment

The manufacturer descriptions in this Attachment include citations to publicly accessible website sources. The website source citations utilized herein are for military equipment descriptive purposes only and are not an endorsement by the City of Manhattan Beach or the Manhattan Beach Police Department of a particular product or vendor. Some manufacturer descriptions could not be located and department available descriptions were used instead. In addition, the inventory of certain items of consumable military equipment (e.g. ammunition, diversionary devices, chemical agents, etc.) can fluctuate throughout the year. This can be due to operational usage, training usage, operational wear, or manufacturer recommended replacement guidelines. While the Department strives to provide accuracy in its inventory reporting as prescribed by law, this Attachment reflects approximations of certain consumable items of military equipment at the time of the policy's publication.

Unmanned, remotely piloted, powered aerial or ground vehicles

1. **Unmanned Aircraft System (UAS)**
   a. **Current Inventory:**
      1 DJI Mini 2
   b. **Manufacturer Description:**
      "Utilizing DJI's OcuSync 2.0 2.4/5.8 GHz wireless transmission technology, the Mini 2 can be operated from up to 6.2 miles away while still providing you with video of what the drone sees. The Mini 2 can also be flown as high as 2.5 miles and withstand 19 to 24 mph winds, all while maintaining a compact, foldable design that weighs only 8.8 oz."
   c. **Capabilities:**
      UAS with a single-color camera and has video recording capabilities with approximately 30 minutes of flight time.
   d. **Purpose:**
      To be deployed to provide aerial intelligence that would assist officers in the performance of their duties.
   e. **Authorized Use:**
      Only assigned UAS personnel who have completed the required training shall be permitted to operate any UAS during approved missions.
   f. **Expected Lifespan:**
      3-5 Years
   g. **Fiscal Impact:**
      Purchase Price: $499
      Annual maintenance costs: approximately $50
   h. **Training:**
      All Department UAS operators must have attended formal training as it relates to UAS operations. In addition, operators must participate in on-going refresher training.
   i. **Legal and Procedural Rules:**
      Use is established under the MBPD Policy Manual.

2. **Robots**
   a. **Current Inventory/Description/Fiscal Impact:**

      1 SuperDroid HD2S Reconnaissance Robot

      "The HD2 is a large tracked robotic development platform designed and fabricated in North Carolina US."

Purchase Price: $15,125.97 (Grant funded, $0 cost to city)
Maintenance costs: $0
1 Packbot 510 Fas Tac Robot

"PackBot 510 is a man-transportable robot that performs bomb disposal, surveillance and reconnaissance, CBRN detection and HazMat handling operations. PackBot 510 easily climbs stairs and navigates narrow passages, relaying real-time video, audio and sensor data while the operator stays at a safer, standoff distance. The PackBot 510 manipulator lifts up to 44 lb (20 kg). PackBot 510 is deployable by one person in under two minutes. The robot stows neatly in vehicle, even fitting in a car's trunk."

Purchase Price: $0 (Military transfer)
Annual Maintenance costs: $0

b. **Capabilities:**
These robots are currently non-operational.
c. **Purpose:**
Provide support for law enforcement operations.
d. **Authorized Use:**
These robots are assigned to the Crisis Response Team (CRT).
e. **Expected Lifespan:**
0 Years
f. **Training:**
Training on the use of this robot is conducted by CRT.
g. **Legal and Procedural Rules:**
Use is established under the MBPD Policy Manual.

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

1. **Armored Personnel Carriers**
   a. **Current Inventory:**
   1 Lenco BearCat
   b. **Manufacturer Description:**
   "The Lenco BearCat G2 is the standard tactical armored vehicle for special operations units within the US Law Enforcement community."
   c. **Capabilities:**
   The BearCat is a large mobile armored vehicle used to conduct rescues, transport personnel and equipment, and provide security to the public.

d. **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.

e. **Authorized Use:**
Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training during critical incidents and pre-planned events.

f. **Expected Lifespan:**
20 Years

g. **Fiscal Impact:**
Purchase Price: approximately $350,000 (Grant Funded, $0 cost to city)
Annual Maintenance costs: approximately $10,000

h. **Training:**
Training on the use of this robot is conducted by CRT.

i. **Legal and Procedural Rules:**
Use is established under the MBPD Policy Manual.

j. **Other Notes:**
This BearCat is a regional armored vehicle with use and costs shared by the Cities of Culver City, Hawthorne, El Segundo, Gardena, Hawthorne, Inglewood, Manhattan Beach, Redondo Beach, and Torrance.

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

1. **Mobile Command Post Vehicle**

a. **Current Inventory:**
1 Eagle 40-Foot Motorhome

b. **Manufacturer Description:**
40-foot motorhome customized to create a mobile command post with communications, police and fire logistical equipment, and restroom capabilities. Modifications were provided by multiple vendors.

c. **Capabilities:**
To provide a mobile command center when, and where, needed.

d. **Purpose:**
The Mobile Command Post Vehicle is used during pre-planned community events, critical incidents, missing persons operations, and natural disasters.

e. **Authorized Use:**
Only personnel trained in their deployment and operations in a manner consistent with Department Policy and training are authorized to operate this equipment.

Situations where this equipment is authorized for use would include, but are not be limited to, critical incidents, emergencies, pre-planned events, and natural disasters.

f. Expected Lifespan:

The Mobile Command Post Vehicle has a 15-year lifespan on chassis and vehicle structure. Upgrades are as needed to maintain systems.

g. Fiscal Impact:

Purchase Price: $0 (Community Donation)
Annual Maintenance costs: approximately $1,000

h. Training:

The driver/operator must receive training in the safe handling of the vehicle. If needed, the operator will obtain the appropriate class-rating license.

i. Legal and Procedural Rules:

It is the policy of the Department to use this equipment only for official law enforcement purposes, and in accordance with California State Law and department policy.

2. Command Vehicle (Crisis Response Truck)

a. Current Inventory:

1 Ford F-650 40-Foot Equipment Truck

b. Manufacturer Description:

"Only in a Ford medium-duty truck do you have the option of going with gasoline power. It's the powerful 6.8L gas V10, now available in F-750 as well as F-650 models."

c. Capabilities:

To provide a mobile command center when and where needed.

d. Purpose:

A vehicle used as a mobile office that provides shelter, storage of C.R.T. equipment, and access to Department computer systems, during extended events.

e. Authorized Use:

The Mobile Command Post Vehicle is authorized for use during pre-planned community events, critical incidents, missing persons operations, and natural disasters.

f. Expected Lifespan:

The Mobile Command Post Vehicle has a 15-year lifespan on chassis and vehicle structure. Upgrades are as needed to maintain systems.

g. Fiscal Impact:

Purchase Price: $184,000
Annual Maintenance costs: approximately $5,000

h. Training:

The driver/operator must receive training in the safe handling of the vehicle. If needed, the operator will obtain the appropriate class-rating license.

i. Legal and Procedural Rules:

It is the policy of the Department to use this equipment only for official law enforcement purposes, and in accordance with California State Law and Department policy.

3. Command Vehicle (Crisis Negotiations Van)

a. Current Inventory:

1 Ford E-250 Super Duty Van modified for crisis negotiations

b. Manufacturer Description:

"Public Safety starts with reliable equipment. Quality Vans & Specialty Vehicles (QVSV) specializes in vehicles that assist departments and agencies in responding to any situation. Each Public Safety vehicle is designed for optimum safety and reliability. We offer Federal, Tomar, Whelen and Code 3 lighting systems and install police equipment products from Havis Shield, Setina and American Aluminum to list a few."

c. Capabilities/Purpose/Authorized Use:

The CNT Van provides a mobile base of operations for crisis negotiations team members in order for them to conduct negotiations with persons in crisis. The van is authorized for use during critical incidents.

d. Expected Lifespan:

The CNT Van is currently scheduled to be upgraded to better meet the needs of the department. This upgrade should extend the life of the van for 15 years.

e. Fiscal Impact:

Purchase Price: approximately $40,000

Annual Maintenance costs: dependent on wear and use

f. Training:

The driver/operator must receive training in the safe handling of the vehicle. If needed, the operator will obtain the appropriate class-rating license.

g. Legal and Procedural Rules:

It is the policy of the Department to use this equipment only for official law enforcement purposes, and in accordance with California State Law.

Battering rams, slugs, and breaching apparatuses that are explosive in nature. This does not include a handheld, one-person ram

1. **Breaching Shotguns**
   a. **Current Inventory:**
      3 Remington 870 Pump Action Shotgun with Royal Arms Breaching Barrel
   b. **Manufacturer Description:**

      "The Royal Arms Breaching Stand off Device is purposely made to solve the need of Law Enforcement and Military to Breach Door with the ultimate speed and precision. The Breacher has large aggressive teeth in the muzzle end to bite into the door and grab hard. The Breacher CNC machined by Royal Arms from Solid Bar Stock 4140 Chromoly Steel using state of the art manufacturing techniques. We then heat treat and give it a super durable Black Nitride finish. The result is a superior product with enhanced technical capabilities. Which in turn offers Law Enforcement, Military, and discerning individuals the ultimate tactical advantage in the field for all operators and at a reasonable price."

   c. **Capabilities:**
      This equipment allows officers to safely utilize shotgun breaching rounds in order to defeat deadbolts, locks, and hinges.
   d. **Purpose:**
      For use in breaching heavy locks, dead-bolts, and hinges when other means of manual breaching fail or entry is time-sensitive.
   e. **Authorized Use:**
      Generally, breaching slugs are used in specific breaching shotguns operated by the Crisis Response Team. To be used only by trained personnel during critical incidents.
   f. **Expected Lifespan:**
      No manufacturer listed lifespan.
   g. **Fiscal Impact:**
      Purchase Price: approximately $500 each
      Annual Maintenance costs: $0, dependent on wear
   h. **Training:**
      Initial training is conducted in S.W.A.T. school during the breaching segment. Ongoing continued training is conducted to maintain proficiency amongst operators.
   i. **Legal and Procedural Rules:**
      Use is established under the crisis response team policy.

2. **Breaching Slugs**
   a. **Current Inventory:**
      1 Royal Arms Tesar #2 425 Grain
   b. **Manufacturer Description:**
      "Black Cap, 2-3/4", 425 grain, compressed copper frangible 12 Ga shotgun slug. Velocity: 1,525fps out of an 18" barrel."
   c. **Capabilities:**
      To defeat locks, deadbolts, and hinges.
   d. **Purpose:**
      For use in breaching heavy locks, dead-bolts, and hinges when other means of manual breaching fail or entry is time-sensitive.
   e. **Authorized Use:**
      Generally, breaching slugs are used in specific breaching shotguns operated by the Crisis Response Team. To be used only by trained personnel.
   f. **Expected Lifespan:**
      No expiration date listed.
   g. **Fiscal Impact:**
      Purchase Price: approximately $10 each
      Annual Maintenance costs: $0
   h. **Training:**
      Initial training is conducted in S.W.A.T. school during the breaching segment. Ongoing continued training is conducted to maintain proficiency amongst operators.
   i. **Legal and Procedural Rules:**
      Use is established under the crisis response team policy.

Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code Section 30510 and Penal Code Section 30515, with the exception of standard-issue firearms

1. **Rifles**
   a. **Current Inventory/ Description/Fiscal Impact:**

      22 Sig Sauer MCX 5.56MM 11.5"

      Lightweight, magazine-fed, piston-operated semi-automatic rifle. Caliber: 5.56MM, 11.5" Barrel, attached weapon light, red dot sight, and suppressor.

      Purchase Price: approximately $2,200 each
      Annual Maintenance costs: dependent on usage and wear

21 Sig Sauer MCX 5.56MM 16”

Lightweight, magazine-fed, piston-operated, semi-automatic rifle. Caliber: 5.56MM, 16” Barrel, red dot sight, and attached suppressor.

Purchase Price: approximately $1,300 each
Annual Maintenance costs: dependent on usage and wear

39 Colt AR-15 5.56MM 16”

Lightweight, magazine-fed, gas-operated semi-automatic rifle. Caliber: 5.56MM, 16” Barrel, iron sights.

Purchase Price: approximately $1,000 each

Annual Maintenance costs: dependent on usage and wear

11 Colt M4 5.56MM 14”

Lightweight, magazine-fed, gas-operated, semi-automatic rifle. Caliber: 5.56MM, 14” Barrel, iron sights

Purchase Price: approximately $1,000 each

Annual Maintenance costs: dependent on usage and wear

3 Colt M16 5.56 20”

Lightweight, magazine-fed, gas-operated, semi-automatic rifle. Caliber: 5.56MM, 20” Barrel, Trijicon ACOG sight

Purchase Price: approximately $1,800 each

Annual Maintenance costs: dependent on usage and wear

8 H&K MP5

Gas-blowback operated, submachine gun. Caliber: 9mm, short-barreled

Purchase Price: $2,040 each

Annual Maintenance costs: dependent on usage and wear

2 H&K MP7

Gas-operated, personal defense weapon. Caliber: 4.6MM, 7” barrel

Purchase Price: $1,852 each

Annual Maintenance costs: dependent on usage and wear

2 Rock River Arms AR-10

Gas-operated, semi-automatic rifle. Caliber: .308, 20" barrel

Purchase Price: approximately $2,500 each

Annual Maintenance costs: dependent on usage and wear

3 Remington 700 XRay-51

Bolt action .308 rifle with 5 round capacity

Purchase Price: $15,575

Annual Maintenance costs: dependent on usage and wear

b. Capabilities, Purpose and Authorized Use:
Rifles address threats with more precision and/or at greater distances than a handgun and are authorized for use by MBPD policy.

c. Expected Lifespan:
Dependent on use and wear.

d. Training:
Officers are certified by POST approved instructors in the operation of a rifle. Additionally, all members that operate any rifle are required to pass a range qualification annually.

e. Legal and Procedural Rules:
Use is established under the MBPD Policy Manual.

Noise-flash diversionary devices and explosive breaching tools

1. Noise-flash diversionary devices

a. Current Inventory/Description/Fiscal Impact:

20 Defense Technology Low Roll II 15 gram

"Non-reloadable distraction device which incorporates an M201A1 type fuze with hex design gun steel body which limits rolling once deployed."

Purchase Price: $49.15 each
Annual Maintenance costs: $0

b. Capabilities:
175 decibels at five feet. 6-8 million candela.

c. Purpose:
Used to distract potentially dangerous suspects during high-risk situations.

d. **Authorized Use:**
Use is authorized in high-risk situations, or during training, by trained personnel.

e. **Expected Lifespan:**
2 years

f. **Training:**
Prior to use, officers must attend diversionary device training that is conducted by POST certified instructors.

g. **Legal and Procedural Rules:**
Use is established under MBPD policy.

Munitions containing tear gas or OC, excluding standard, service-issued handheld pepper spray

1. **Tear Gas**
   a. **Current Inventory/Description/Fiscal Impact:**

4 Defense Technology, Riot Control-Continuous Discharge CS Canister

"The riot control CS canister 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. The canister can be used to conceal tactical movement or to route a crowd. The volume of smoke and agent is vast and obtrusive. This launchable canister is 6" by 2.35" and holds approximately 2.7oz of active agent."
Purchase Price: $27.64 each
Annual Maintenance costs: $0

7 Defense Technology, Pocket Tactical CS Canister

"The pocket tactical CS canister is a small and lightweight. The 0.9oz of active agent will burn approximately 20-40 seconds. At 4.75" by 1.4", it easily fits in most tactical pouches. This is a launchable canister; however, it is normally used as a signaling device 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 canister."

Purchase Price: $26.46 each
Annual Maintenance costs: $0

6 Defense Technology, Military-Style SAF-Smoke Canister

"The Saf-Smoke canister was designed for training, but may also be used in operations. The Saf-Smoke canister offers the same approximate burn times as

the Spede-Heat canister in CN or CS and the Riot Control Canister in CN or CS. The similar burn times may make it the more appropriate choice for training or simulation deployment of chemical agent canisters. The Saf-Smoke formulation is considered to be less toxic than Hexachloroethane (HC) smoke. The Saf-Smoke emits a very white smoke."

Purchase Price: $30.84 each
Annual Maintenance costs: $0

b. Expected Lifespan:
Until used and varies

c. Capabilities, purpose, and authorized use:
Capable of concealing tactical movement or routing a crowd during riot and high-risk situations. Use is authorized for trained personnel during riot and high-risk situations. To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of chemical agents, and smoke, may include but are not limited to:

i. Self-destructive individuals
ii. Riot/crowd control
iii. Circumstances where a tactical advantage can be obtained
iv. Potentially vicious animals
v. Training exercise or approved demonstrations

d. Training:
Only officers who have received training by a POST certified instructor in the use of chemical agents are authorized to use chemical agents.

e. Legal and Procedural Rules:
Use is established under MBPD policy.

2. Pepperball Projectile Systems

a. Current Inventory/Description/Fiscal Impact:

4 Tippmann Pepperball Gun

"The Carbine S is a Tippmann 98 Custom Non-ACT launcher, used widely in the paintball arena as a rental marker. It was first sold by PepperBall in 2006 and replaced the SA200 launcher. It has a two-piece clamshell receiver body and a flat or smooth top rail. It features a vertical front grip handle and a breech opening procedure that requires unhinging the hopper down and to the right side of the launcher."

Purchase Price: $1,146.50 each
Annual Maintenance Costs: approximately $100

1,250 Pepperball Rounds

"90 SD standard ammo for TCP and LifeLite launchers for the greatest value Disperses 12-foot cloud of pepper spray irritant, the saturation area extends in all directions 2% PAVA standard live pepper formula Ammo is ultrasonically welded (no seams) Operational temperature of -30°F–150°F, Non-flammable, Projectiles are 100% waterproof and Pepperballs have a shelf life of 2 years.

The PepperBall® SD™ pack provides you with plenty of ammo that is easy to reload. The rounds contain 2% PAVA formula that causes an instant burning sensation to the skin, eyes, and respiratory system. The SD pepper projectiles work with your TCP or LifeLite self-defense launchers that fire the rounds great distances to disperse a powerful pepper cloud that covers a 12-foot radius upon impact. This means you do not need to hit a would-be attacker directly, so you are protected from a safe distance."

Purchase Price: $249.99 (90 pack)
Annual Maintenance Costs: $0

1,500 Sponge Rounds

".68 caliber rubber practice paintballs with no paint inside. Will not damage your barrel or loader. Clean these with water between uses. Eye protection is required. Soft rubber construction."

Purchase Price: $59.95 (500 rounds)
Annual Maintenance Costs: $0

b. Expected Lifespan:

Until used and varies

c. Capabilities, purpose, and authorized use:

Capable of concealing tactical movement or routing a crowd during riot and high-risk situations. Use is authorized for trained personnel during riot and high-risk situations. To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of OC projectiles may include but are not limited to:

i. Self-destructive individuals
ii. Riot/crowd control
iii. Circumstances where a tactical advantage can be obtained
iv. Potentially vicious animals
v. Training exercise or approved demonstrations

d. Training:

Only officers who have received training by a POST certified instructor in the use of chemical agents are authorized to use chemical agents.

e. **Legal and Procedural Rules:**
Use is established under MBPD policy.

Kinetic energy weapons and munitions

1. **Projectile Launch Platforms**
   a. **Current Inventory/Description/Fiscal Impact:**

2 Penn Arms 40MM Launcher

"A 40mm spring-advance magazine drum launcher with a six-shot capacity and a rifled barrel with a 6" cylinder. Also available with a collapsible stock."

Purchase Price: $2,698.89 each
Annual Maintenance Costs: $50

24 LMT 40MM Launcher

"The 40LMTS is tactical 40mm single shot launcher that features a telescoping stock and an adjustable integrated front grip. The 40LMTS will fire standard 40MM less lethal ammunition, up to 4.8" in cartridge length. This weapon is not designed to fire 40MM high velocity HE ammunition."

Purchase Price: $735.80 each
Annual Maintenance Costs: $50

304 Defense Technology, Exact Impact 40MM Round (BLUE)

"The exact impact 40mm sponge round is a point-of-aim, point-of-impact direct-fire round. This is a lightweight, high-speed projectile consisting of a plastic body and a sponge projectile that is spin stabilized via the incorporated rifling collar and the 40mm launchers rifled barrel. The round utilizes smokeless powder as the propellant, and therefore, has velocities that are extremely consistent. It is used for crowd control, patrol, and tactical applications."

Purchase Price: $26.50 each
Annual Maintenance Costs: $0

24 Defense Technology, Direct Impact 40MM OC Round (ORANGE)

"The 40mm direct impact OC munition is a point-of-aim, point-of impact direct-fire round. The munition is loaded OC powder and is combined with a lightweight, high-speed projectile consisting of a plastic body and crushable foam nose.

Purchase Price: $30.50 each
Annual Maintenance Costs: $0

3 Defense Technology, The Stinger 40MM Rubber Balls Round

"The Stinger® 40 mm 60-Caliber Round is most widely used as a crowd management tool by Law Enforcement and Corrections. The round contains approximately eighteen 60-Caliber rubber balls. It utilizes smokeless powder as the propellant and has more consistent velocities and tighter patterns compared to its 37 mm counterpart. It is suitable for administering a means of pain compliance over a greater distance than its 32-Caliber Stinger® counterpart. Used for routing crowds or groups that are mildly resistive."

Purchase Price: approximately $75 each
Annual Maintenance Costs: $0

b. Expected Lifespan:
Until used and varies

c. Capabilities, purpose, and authorized use:
To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of projectile launch platforms may include but are not limited to:

i. Self-destructive individuals
ii. Riot/crowd control
iii. Circumstances where a tactical advantage can be obtained
iv. Potentially vicious animals
v. Training exercise or approved demonstrations

d. Training:
Only officers who have received training by a POST certified instructor in the use of projectile launch platforms are authorized to use chemical agents.

e. Legal and Procedural Rules:
Use is established under MBPD policy.

2. Less Lethal Shotguns

a. Current Inventory/Description/Fiscal Impact:

15 Remington 870 Less Lethal Shotgun

"The Remington 870 less lethal shotgun is used to deploy the less lethal 12ga super-sock beanbag round up to a distance of 75 feet. The range of the weapon system helps maintain space between officers and a suspect reducing the immediacy of the threat which is a principle of de-escalation."

Purchase Price: $946 each
Annual Maintenance Costs: $0

150 Drag Stabilized 12GA Beanbag Round

"A less lethal 2.4" 12ga shotgun round firing a ballistic fiber bag filled with 40 grams of lead shot at a velocity of 270-290fps. Drag stabilized rounds are discharged from a dedicated 12ga shotgun that is distinguishable by a green stock and green fore end. This round provides accurate and effective performance when fired from the approved distance. The maximum effective range of this munition is 75 feet from the target. The drag-stabilized model is in its deployed state immediately upon exiting the barrel. It does not require a minimum range to, "Unfold," or, "Stabilize." The drag-stabilized model is an aerodynamic projectile. However, accuracy is relative to the shotgun, barrel length, environmental conditions, and the operator. The drag-stabilized model is very accurate. However, effectiveness depends on many variables, such as distance, clothing, stature, and the point where the projectile impacts."

Purchase Price: $5 each
Annual Maintenance Costs: $0

b. Capabilities, purpose, and authorized use:

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

i. Self-destructive individuals
ii. Riot/crowd control
iii. Circumstances where a tactical advantage can be obtained
iv. Potentially vicious animals
v. Training exercise or approved demonstrations

c. Training:

Only officers who have received training by a POST certified instructor in the use of less lethal shotguns are authorized to use chemical agents.

d. **Legal and Procedural Rules:**
Use is established under MBPD policy.

e. **Additional Notes:**
Less lethal shotguns and rounds are not currently deployed by MBPD and are in the process of being removed from Department inventory.