

Technology

Avatar Tactical Robot

Description	A remote-controlled belt driven vehicle designed to handle different terrains while allowing access to its onboard camera so operators can visually clear the areas the robot has travelled.
Quantity	1
Capability	Mobile Emergency Operations Center “Quickly and easily deployable. Navigates various terrain including stairs, sand, clothing, grass, etc. Two-way audio. Video recording capability.”
Life Span	At or exceeded life span.
Manufacturer’s Description	“The AVATAR® enhances the capabilities of SWAT and tactical response teams by allowing them to quickly and safely inspect dangerous situations, there is no longer a need to send personnel in before you’ve had a chance to assess the situation.”
Purpose/Authorized Usage	Used for search and rescue to safely clear / make safe the interior/exterior of the buildings prior to putting Officers in harms way. Can be used to communicate and negotiate with suspects.
Legal/Procedural Rules Governing Use	PC 633.8 (Eavesdropping Device) and must comply with Carlsbad Police Policy 322 (Search and Seizure)
Costs	Initial Cost: \$28,009.61 Recurring Cost: N/A Maintenance: Replaced as damaged. Maintenance cost is equivalent to new device. Year Obtained: How was it budgeted:

Item Photograph



Training Needed

Training per PC 633.8 (Eavesdropping Device) provided by the District Attorney’s Office. SWAT provides familiarization and scenario-based training to sworn officers.

Bouncing Image Explorer 2.0

Description	A durable 360-degree camera designed to see into unknown locations.
Quantity	2
Capability	Extremely durable circular shaped camera, designed to be tossed, thrown or placed into unknown locations to gain visuals on the target location.
Life Span	N/A
Manufacturer's Description	"SAFER ROOM CLEARING - Avoid the Fatal Funnel, SAFER ATTIC/CRAWLSPACE CLEARING - Tactical Pole Camera, SAFER STAIRWELL/BASEMENT CLEARING"
Purpose/Authorized Usage	Used for search and rescue and to safely clear / make safe the interior/exterior of the buildings during critical incidents. Used to gain valuable lifesaving information and to observe locations prior to putting officers at risk.
Legal/Procedural Rules Governing Use	Must comply with Carlsbad Police Policy 322 (Search and Seizure)
Costs	Initial Cost: \$5,853.62 Recurring Cost: N/A Maintenance: Replaced as damaged. Maintenance cost is equivalent to new device. Year Obtained: 2017 How was it budgeted: Departmental savings from FY17

Item Photograph



Training Needed SWAT provides familiarization training to sworn officers.

L3 Night Vision Monocular

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AB 481 – Military equipment: funding, acquisition, and use

Description	L3 White Phosphor PVS-14 Harris Gen 3 Autogated Night Vision Monocular
Quantity	24
Capability	This monocular is now available with improved white phosphor tube technology for greater target detection and recognition. Low-light and nighttime maneuvers appear more natural in black and white, with added contrast detail in shapes and shadows, providing the operator more visual information for assessment and acquisition. White phosphor offers various shades of intensity between black and white (over black and green), resulting in better contrast and depth perception
Life Span	N/A
Manufacturer's Description	The Night Vision Device, also known by its military nomenclature AN/PVS-14, is the U.S. military standard for night vision and can be either used as a handheld pocketscope, a right or left eye-mounted monocular or a weapon sight when mounted in conjunction with an infrared laser aimer or other night vision-compatible primary optic.
Purpose/Authorized Usage	<p>Used to provide personnel with more visual information in dark to low light environments without giving away the user's location. In a low light environment, when a light is used to visually clear an area it works both ways. The officer can locate and see the suspect, but the suspect can also locate and see the officer. This can be problematic and dangerous when the suspect is in a position of advantage and or is armed. The use of Night Vision Devices allows officers to scan and assess a low light environment without putting themselves at increased risk. The information gained can then be used to make more informed tactical decisions.</p> <p>Issued to individual SWAT personnel to be used in low light environments when the device would help provide more visual information in a low light environment</p>
Legal/Procedural Rules Governing Use	None.
Costs	Initial Cost: \$10,999 Recurring Cost: 0 Maintenance: N/A Year Obtained: 2020 How was it budgeted: UASI Grant

Item Photograph



Training Needed

Familiarization training for SWAT personnel.

L3 Night Vision Monocular (Dual Tube)

Description

L3 AN/PVS-31A BNVD White Phosphor Binocular Night Vision Device (BNVD)

Quantity

3

Capability

The AN/PVS-31A – BNVD is a compact, lightweight, Gen III dual-tube goggle with improved white phosphor tube technology for greater target detection and recognition. Low-light and nighttime maneuvers appear more natural in black and white, with added contrast detail in shapes and shadows providing the operator more visual information for assessment and acquisition. White phosphor provides varying shades of intensity between black and white (over black and green), resulting in better contrast and depth perception.

Life Span

N/A

Manufacturer's Description

The Binocular Night Vision Device (BNVD) has an ergonomic low-profile design and offers superior situational awareness compared to a single tube goggle. The BNVD was designed to increase system resolution, significantly reduce head borne-weight, improve system center of gravity, provide additional operational utility, and improve overall situational awareness as compared to currently fielded dual-tube goggles.

Purpose/Authorized Usage

Used to provide personnel with more visual information in dark to low light environments without giving away the user's location. In a low light environment, when a light is used to visually clear an area it works both ways. The officer can locate and see the suspect, but the suspect can also locate and see the officer. This can be problematic and dangerous when the suspect is in a position of advantage and or is armed. The use of Night Vision Devices allows officers to scan and assess a low light environment without putting themselves at increased risk. The information gained can then be used to make more informed tactical decisions.

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Issued to individual SWAT personnel to be used in low light environments when the device would help provide more visual information in a low light environment.

Legal/Procedural Rules Governing Use

None.

Costs

Initial Cost:	\$34,835.10
Recurring Cost:	0
Maintenance:	N/A
Year Obtained:	Pending 2022
How was it budgeted:	Department funds

Item Photograph



Training Needed

Familiarization training for SWAT personnel.

Recon Robotics Throwbot 2

Description

Robotic camera

Quantity

2

Capability

Used to transmit real-time video in a dangerous and life-threatening environment.

Life Span

N/A

Manufacturer's Description

Once deployed, the robot can be directed to move through a structure and transmit real-time video and audio to the OCU II. These reconnaissance features can locate and identify subjects, confirm presence of hostages and reveal the room layout.

Purpose/Authorized Usage

Used for search and rescue and to safely clear / make safe the interior/exterior of the buildings during critical incidents. Used to gain valuable lifesaving information and to observe locations prior to putting officers at risk.

Legal/Procedural Rules Governing Use

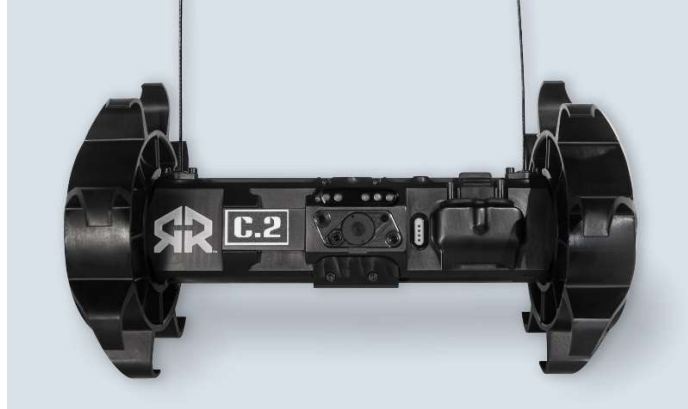
PC 633.8 (Eavesdropping Device) and must comply with Carlsbad Police Policy 322 (Search and Seizure)

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Costs

Initial Cost:	\$16,165.00
Recurring Cost:	N/A
Maintenance:	In-house cleaning
Year Obtained:	2021
How was it budgeted:	Departmental savings

Item Photograph



Training Needed

Training per PC 633.8 (Eavesdropping Device) provided by the District Attorney’s Office. SWAT provides familiarization and scenario-based training to sworn officers.

Unmanned Aircraft Systems

Description

Unmanned Aircraft Systems (UAS/Drones) – CA Gov’t Code 7070(c)(1)

Quantity

12 (Seven different models)

Capability

Remotely piloted aerial vehicles capable of providing live and recorded video images captured from aerial positions, including images enhanced by dual thermal and optical zoom lenses.

Life Span

Approximately 5 years, highly dependent on battery replacement.

Manufacturer’s Description

DJI Matrice 100 (2): The Matrice 100 combines the ease of use of a ready-to-fly quadcopter with the flexibility of a build-it-yourself model. Sporting an "X"-configuration design, the Matrice 100 acts as a platform for the separately available Zenmuse X3 4K camera and gimbal system or can be adapted to support compact third-party cameras (ie GoPro). Stackable modular bays simplify adding components such as flight control extensions or a second battery, while the prop arms can be set a slight angle to increase torque. (\$3866)

DJI Matrice 210 (1): Built for industrial use, the Matrice 210 RTK V2 Professional Quadcopter is meant to go into hazardous conditions to relay vital information to personnel on the ground. With the addition of built-in RTK modules and the inclusion of a GNSS mobile station, the

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210 RTK V2 is also capable of high-precision mapping. With up to 33 minutes of flight time and a range of up to 5 miles, it can be implemented in a variety of industries and professions. Inspecting infrastructure and getting a clear view of emergencies are just a couple of the jobs the Matrice 210 RTK V2 can perform. (\$9600)

DJI Mavic Enterprise (1): Built upon the Mavic 2 flight platform, the Mavic 2 Enterprise from is an advanced, enterprise-level drone solution for demanding applications. Whether you need an eye in the sky for search and rescue, policing and firefighting support, or for inspections of vital infrastructure, the Mavic 2 Enterprise is designed to be a compact solution that's easily deployable. To help with these tasks, the Mavic 2 Enterprise features a top extended port for mounting helpful modular accessories. Also equipped with 24GB of onboard storage to capture all of the vital data. (\$2949)

DJI Mavic Enterprise Advance (1): Utilizing the practical benefits of drone technology, the versatile Mavic 2 Enterprise Advanced Drone is equipped with technology to help first responders enforce the law, find and rescue victims, or fight fires. It can also inspect power equipment, structures, and even the environment, in minutes compared to hours or days. The Mavic 2 Enterprise Advanced can do all of this thanks to its compact size, long-lasting battery, ability to fly missions quickly, high-tech dual thermal and visual cameras, and a host of other features. (\$6900)

DJI Mavic Zoom (2): The Mavic 2 Zoom with Smart Controller is a professional-quality filmmaking drone that gives you the ability to get closer to the action, thanks to its 24-48mm 2x optical zoom camera with 1/2.3" 12MP sensor. With 4x lossless zoom (including 2x optical zoom), you can capture sensitive subjects from an even greater distance. There's even a single-tap aerial mode called Dolly Zoom that gives a Hitchcockian effect to your footage. (\$2093)

Spark (3): The Spark features a 12-megapixel camera stabilized mechanically by a 2-axis gimbal. The Spark also carries an advanced infrared 3D camera that helps the drone to detect obstacles in front of it, as well as facilitating hand-gesture control. In addition to a smartphone app with virtual controller, the Spark also has a physical controller. (\$499)

Phantom 4 (2): The Phantom 4 Pro has improved resolution capable of on-controller live-view streaming, enhanced connectivity, and more. Like the original, the Phantom 4 Pro Version 2 features a 3-axis-stabilized gimbal camera with a 20MP 1" CMOS sensor capable of shooting up to 4K60 fps video and photo bursts at up to 14 fps. It also utilizes the Flight Autonomy system, which includes dual rear-vision sensors and infrared sensing for a total of five directions of obstacle sensing and four directions of obstacle avoidance. Instead of Lightbridge, the Phantom 4 Pro Version 2 now uses Ocusync, which

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enables improved live video stream performance. Other notable enhancements include lighter props and reduced overall takeoff weight, wireless integration with DJI Goggles, and bolstered transmission power. (\$1399)

Purpose/Authorized Usage

UAS/Drones may be utilized to enhance the Department’s mission of protecting lives and property when other means and resources are not available or are less effective. Uses may include but are not limited to: search and rescue; suspect apprehension; crime scene documentation; tactical operations; scene security; hazard monitoring, identification and mitigation; response to emergency calls; crisis communications; legally authorized surveillance.

Legal/Procedural Rules Governing Use

Any use of a UAS will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations. The use of the UAS potentially involves privacy considerations. Absent a warrant or exigent circumstances, operators and observers shall adhere to FAA altitude regulations and shall not intentionally record or transmit images of any location where a person would have a reasonable expectation of privacy (e.g., residence, yard, enclosure).

Operators and observers shall take reasonable precautions to avoid inadvertently recording or transmitting images of areas where there is a reasonable expectation of privacy. Reasonable precautions can include, for example, deactivating or turning imaging devices away from such areas or persons during UAS operations.

Carlsbad Police Policy 354 (Unmanned Aerial Systems Operations).

Costs

Initial Cost: \$35,662
Recurring Cost: N/A No defined recurring costs. Since the program’s inception, eight (8) batteries have been replaced for total cost of \$1,129.00
Maintenance: None performed outside on-duty hours
Year Obtained: Matrice 100 – 2017
Phantom 4 – 2017
Spark - 2019
Matrice 210 – 2019
Mavic Enterprise – 2019
Mavic Zoom – 2019
Mavic Enterprise Adv. – 2021
How was it budgeted: Departmental savings

Item Photograph

Matrice 100:

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Matrice 210:



Mavic Enterprise:



Mavic Enterprise Advance:



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Mavic Zoom:



Spark:



Phantom 4:



Training Needed

Prior to piloting any UAS/Drone staff members must secure an FAA Remote Pilot License and complete all training required by our FAA COA.

Steiner DBAL-A3

Description

Steiner DBAL-A3

Quantity

24

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Capability

While the IR Laser and Visible Green Laser can be used to assist in aiming while using NVG's or Gas Mask, there are limitations to their accuracy.

The DBAL-A3 is the first to feature new defocused adjustable IR illumination technology to enable both midrange and close quarter target acquisition. The visible green laser's direct diode allows for cold weather operation as low as -20°C.

Life Span

N/A

Manufacturer's Description

Available for the commercial market, the first eye-safe IR laser pointer, IR illuminator and green laser pointer in a single compact unit. Features an adjustable IR illuminator for better illumination at longer ranges, dual activation switches and high/low power modes.

The DBAL-A3 civilian model is based on the standard issue DBAL-A3 for U.S. warfighters. And just like the restricted models, this unit offers the latest advances in IR and visible laser technology. The dual-beam infrared laser and illuminator combination is extremely accurate in low- and no-light maneuvers. In addition, the DBAL-A3 is the first to feature new defocused adjustable IR illumination technology to enable both midrange and close quarter target acquisition. The visible green laser's direct diode allows for cold weather operation as low as -20°C.

Purpose/Authorized Usage

The dual-beam infrared laser and illuminator is used to identify and highlight objects in low light to dark environments. It allows users to illuminate areas via infrared light without giving away the users position.

Issued to individual SWAT personnel to be used in low light environments when the device would help provide more visual information in a low light environment.

Legal/Procedural Rules Governing Use

None.

Costs

Initial Cost: \$518
Recurring Cost: N/A
Maintenance: N/A
Year Obtained: 2020
How was it budgeted: SWAT operating budget

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Item Photograph



Training Needed

Familiarization training for SWAT personnel.

Less Lethal Equipment and Munitions

Remington 870 Beanbag Shotgun

Description	12 gauge shotgun used to deploy less lethal munition
Quantity	15
Capability	Deploying 12 gauge less lethal bean bag munitions
Life Span	N/A
Manufacturer's Description	America's bestselling shotgun for over 50 years, the Model 870's dependability is legendary. The receiver is milled from a solid billet of steel for strength and durability, and the twin action bars ensure smooth, reliable non-binding action.
Purpose/Authorized Usage	<p>This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.</p> <p>Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.</p>
Legal/Procedural Rules Governing Use	All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 312 (Firearms) 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)
Costs	Initial Cost: \$800 Recurring Cost: 0 Maintenance: 0 Year Obtained: Pre 1990 How was it budgeted: Unknown

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Item Photograph



Training Needed

8 hour POST Certified Less Lethal Operator Course, Qualification every 6 months.

40 MM Launcher - LMT

Description

40LMTS- 40 mm LMT Tactical Single Launcher

Quantity

4

Capability

Deploying 40mm less lethal impact projectiles.
Deploying 40mm chemical agent (CS) barricade penetrating (DefTech 2262) rounds.

Life Span

N/A

Manufacturer's Description

40LMTS is a tactical single shot launcher that features an expandable ROGERS Super Stoc and an adjustable Integrated Front Grip (IFG) with light rail. The ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two point sling attachment. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.

Purpose/Authorized Usage

KINETIC ENERGY PROJECTILE GUIDELINES

This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.

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TEAR GAS GUIDELINES

Used to deploy chemical agent into a specific location from a distance. Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)

Costs

Initial Cost: \$1,000
Recurring Cost: 0
Maintenance: 0
Year Obtained: 2018
How was it budgeted: Operating budget

Item Photograph



Training Needed

8-hour POST Certified Less Lethal Operator Course. Qualification every 6 month

Defense Technology 40 MM Launcher

Description

Def Tech 40mm Tactical Single Launcher

Quantity

4

Capability

Deploying 40mm less lethal impact projectiles.
Deploying 40mm chemical agent (CS) barricade penetrating (DefTech 2262) rounds.

Life Span

N/A

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Manufacturer's Description

40LMTS is a tactical single shot launcher that features an expandable ROGERS Super Stoc and an adjustable Integrated Front Grip (IFG) with light rail. The ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two point sling attachment. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.

Purpose/Authorized Usage

KINETIC ENERGY PROJECTILE GUIDELINES

This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles, or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.

TEAR GAS GUIDELINES

Used to deploy chemical agent into a specific location from a distance. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)

Costs

Initial Cost:	\$1,000
Recurring Cost:	0
Maintenance:	0
Year Obtained:	2018
How was it budgeted:	Operating budget

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Item Photograph



Training Needed 8-hour POST Certified Less Lethal Operator Course. Qualification every 6 month

40MM Multi Launcher – Penn Arms GL6-40

Description 40MM Multi Launcher

Quantity 2

Capability Deploying 40mm less lethal impact projectiles.
Deploying 40mm chemical agent (CS) barricade penetrating (DefTech 2262) rounds.

Life Span N/A

Manufacturer’s Description A 40MM spring-advance magazine drum launcher with a six-shot capacity and a rifled barrel and 6” cylinder.

Purpose/Authorized Usage (Primary) KINETIC ENERGY PROJECTILE GUIDELINES
This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.

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TEAR GAS GUIDELINES

Used to deploy chemical agent into a specific location from a distance. Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)

Costs

Initial Cost: \$3,000
Recurring Cost: 0
Maintenance: 0
Year Obtained: 2019
How was it budgeted: Operating budget

Item Photograph



Training Needed

8-hour POST Certified Less Lethal Operator Course. Qualification every 6 months.

CSI Combined Systems 12 GA SuperSock Bean Bag or Equivalent

Description

Less-lethal projectile which, when deployed out of a shotgun, are intended to incapacitate without causing extreme injury or death.

Quantity

1810

Capability

Deployed via a 12-gauge shotgun

Life Span

5-year manufacturer's warranty

Manufacturer's Description

The Model 2581 Super-Sock® is in its deployed state immediately upon exiting the barrel. It does not require a minimum range to "unfold" or "stabilize." The Super-Sock® is an aerodynamic projectile. However,

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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.

Purpose/Authorized Usage

This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)

Costs

Initial Cost: \$3,123
Recurring Cost: Approx. \$30 per package of 5
Maintenance: N/A
Year Obtained: 2020
How was it budgeted: Department funds

Item Photograph



Training Needed

8-hour POST Certified Less Lethal Operator Course, Qualification every 6 months.

Exact Impact 40 MM Standard Range Sponge Round

Description

Exact Impact 40MM Standard Range Sponge Round

Quantity

345

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Capability

This intermediate less lethal specialty munition allows for direct impact from a minimum range of 5ft./1.5m out to a maximum effective range of 131ft / 40m.

Life Span

5 years from date of manufacture

Manufacturer's Description

The eXact iMPact™ 40 mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consisting of a plastic body and sponge nose that is spin stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent. Used for Crowd Control, Patrol, and Tactical Applications.

Purpose/Authorized Usage

This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)

Costs

Initial Cost: \$3,855
Recurring Cost: Replace as needed
Maintenance: N/A
Year Obtained: 2020
How was it budgeted: Operating budget

Item Photograph



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Training Needed 6-hour POST Certified Less Lethal Course and qualification every 6 months.

Exact Impact 40 MM Extended Range Sponge Round

Description Exact Impact 40MM Extended Range Sponge Round

Quantity 75

Capability This intermediate less lethal specialty munition allows for direct impact from a minimum range of 33ft./10 m out to a maximum effective range of 230ft / 70m.

Life Span 5 years from date of manufacture

Manufacturer's Description The eXact iMPact™ 40 mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consisting of a plastic body and sponge nose that is spin stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent. Used for Crowd Control, Patrol, and Tactical Applications.

Purpose/Authorized Usage This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.

Legal/Procedural Rules Governing Use The eXact iMPact™ 40 mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consisting of a plastic body and sponge nose that is spin stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent. Used for Crowd Control, Patrol, and Tactical Applications.

Costs Initial Cost: \$1,631
Recurring Cost: Replace as needed

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Maintenance: N/A
Year Obtained: 2020
How was it budgeted: Operating budget

Item Photograph



Training Needed

8-hour POST Certified Less Lethal Operator Course. Qualification every 6 months.

Tippman APLS Marker

Description

Tippman FT-12 Marker (Air Powered Launcher System)

Quantity

10

Capability

Deploys Pepperball type projectile with chemical agent

Life Span

15 years

Manufacturer's Description

The FT-12 is a compact marker with an ergonomically-positioned front vertical grip, which is ideal for players of all ages. The marker's patent-pending design makes gaining access to internals significantly easier - simply remove the barrel, unscrew the collar and flip the top. No tools are required.

Purpose/Authorized Usage

KINETIC ENERGY PROJECTILE

This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.

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TEAR GAS (CS)

Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

OLEORESIN CAPSICUM (OC)

As with other control devices, oleoresin capsicum (OC) spray and pepper projectiles may be considered for use to bring under control an individual or groups of individuals who are engaging in, or are about to engage in violent behavior. Pepper projectiles and OC spray should not, however, be used against individuals or groups who merely fail to disperse or do not reasonably appear to present a risk to the safety of officers or the public.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)

Costs

Initial Cost: \$1,810
Recurring Cost: \$1,051 (SCBA tanks and bottles must be serviced or replaced every 5 years.)
Maintenance: \$30 (parts and equipment)
Year Obtained: 2020
How was it budgeted: Savings from general operating budget

Item Photograph



Training Needed

6-hour POST Certified Less Lethal Operator Course

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Firearms

SIG M400

Description

The M400 is an air-cooled, direct impingement gas-operated, magazine-fed carbine that is based on the earlier AR-15 rifle

Quantity

24

Capability

The M400 is a lightweight, magazine-fed, gas-operated rifle.

Life Span

N/A

Manufacturer's Description

The SIG M400 5.56 NATO Rifle is a tactical-style rifle that offers versatile performance and customization. Ambidextrous controls on this AR-15 rifle allow use by both right- and left-handed shooters. As a 5.56 NATO rifle, this Sig Sauer is capable of chambering both 5.56 NATO and .223 rounds. A mid-length direct impingement gas system cycles gas back through the barrel for smoother auto-loading and semi-auto action. This tactical rifle features an optics-ready rail and free-floating handguard for mounting accessories like sights and grips. With an included 30 round mag, the SIG M400 TREAD NATO 5.56 Rifle delivers a comfortable, customizable experience right out of the box.

Purpose/Authorized Usage

Officers may deploy the patrol rifle in any circumstance where the officer can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the patrol rifle may include, but are not limited to:

- a. Situations where the officer reasonably anticipates an armed encounter;
- b. When an officer faced with a situation that may require the delivery of accurate and effective fire at long range;
- c. Situations where an officer reasonably expects the need to meet or exceed a suspect's firepower;
- d. When an officer reasonably believes that there may be a need to deliver fire on a barricaded suspect or a suspect with a hostage;
- e. When an officer believes that a suspect may be wearing body armor;
- f. When authorized or requested by a supervisor.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 312 (Firearms), 313 (Firearms Qualification and Remediation)

Costs

Initial Cost: \$850 each
Recurring Cost: 0
Maintenance: 0

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Year Obtained: Pre-2010
How was it budgeted: Operating budget

Item Photograph



Training Needed

16-hour POST Patrol Rifle Course, POST certified biannual training, quarterly department qualification.

Patrol Rifle Suppressor

Description

HX-QD 556K Suppressor

Quantity

120

Capability

Lowers sound to sub-140 dB

Life Span

15+ years

Manufacturer's Description

A short and extremely durable suppressor, the HX-QD 556k – updated with our newly designed flash cap – is built with patented and proven Flow-Through® technology, delivers sub-140 dB and zero flash performance, is full-auto rated, easily passes the USSOCOM Reliability Stress Test, and has no minimum barrel restrictions – it's designed and built for extreme use.

Purpose/Authorized Usage

A device that greatly reduces sound, recoil, and muzzle rise. Suppressors don't completely remove the need for hearing protection, but they can help a great deal. When you fire a gun, a large volume of hot, high-pressure gas exits the muzzle along with the bullet. This gas shooting down gun barrel and exiting makes a lot of noise ("muzzle blast"). A suppressor contains some of those gasses for a fraction of a second and allows them to expand and cool more gradually by circulating them around internal baffles. This helps to lower the decibel level.

The Occupational Safety & Health Administration (OSHA) has determined that a decibel (dB) level greater than 140 can cause permanent hearing loss. suppressors can lower the dB level below the detrimental 140 dB level.

These devices are attached to issued Patrol Rifles.

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Legal/Procedural Rules Governing Use

Because these devices are attached to rifles, all applicable State, Federal and Local laws governing police use of force apply. (See Sig M400 and Smith and Wesson M&P Rifle Legal/Procedural Rules Governing Use for further details)

Costs

Initial Cost: \$656.67
Recurring Cost: 0
Maintenance: 0
Year Obtained: 2021
How was it budgeted: Departmental savings

Item Photograph



Training Needed

Training is conducted in conjunction with Sig M400 Rifles and Smith and Wesson M&P Rifles (See Sig M400 and Smith and Wesson M&P Training Requirements for further details)

SIG MCX

Description

WRMCX-300B-6B-TAP-SDHG-SBR

Quantity

24

Capability

The MCX is a lightweight, portable, magazine-fed, gas-operated rifle.

Life Span

N/A

Manufacturer's Description

Configurable in more than 500 combinations, the ground-breaking and modular MCX VIRTUS is engineered for unmatched reliability and is designed to perform beyond 20,000 rounds without the need for replacement parts.

Purpose/Authorized Usage

Officers may deploy the patrol rifle in any circumstance where the officer can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the patrol rifle may include, but are not limited to:

- a. Situations where the officer reasonably anticipates an armed encounter;
- b. When an officer faced with a situation that may require the delivery of accurate and effective fire at long range;

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- c. Situations where an officer reasonably expects the need to meet or exceed a suspect's firepower;
- d. When an officer reasonably believes that there may be a need to deliver fire on a barricaded suspect or a suspect with a hostage;
- e. When an officer believes that a suspect may be wearing body armor;
- f. When authorized or requested by a supervisor.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 312 (Firearms), 313 (Firearms Qualification and Remediation)

Costs

Initial Cost: \$1377
Recurring Cost: 0
Maintenance: 0
Year Obtained: 2022
How was it budgeted: Departmental savings

Item Photograph



Training Needed

16-hour POST Patrol Rifle Course, POST certified biannual training, Quarterly department qualification, Quarterly SWAT qualification.

SIG SLX762-QD Suppressor

Description	SIG SLX762-QD
Quantity	24
Capability	Lowers sound
Life Span	15+ years

Manufacturer's Description

The SLX series of rifle suppressors feature the new Clutch-LOK QD mounting system which is easy to use, repeatable, and extremely durable. The internal multi-flow path within the SLX suppressors allows gasses to exhaust at a faster rate than traditional baffle-style

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suppressors. This results in 70-80% less toxic fumes flowing back through the ejection port into the shooter's face. The SLX series is a performance-based suppressor designed for use with supersonic ammunition and ideal for users focused on flash reduction and lower toxic fumes. The new low-tox SLX suppressors deliver a superior shooting experience, unlike any other suppressor.

The internal multi-flow path of the SLX with low resistance exhausts gases at a faster rate than traditional baffles. SLX features 70-80% less PPM than traditional baffle suppressors.

Purpose/Authorized Usage

A device that greatly reduces sound, recoil, and muzzle rise. Suppressors don't completely remove the need for hearing protection, but they can help a great deal. When you fire a gun, a large volume of hot, high-pressure gas exits the muzzle along with the bullet. This gas shooting down gun barrel and exiting makes a lot of noise ("muzzle blast"). A suppressor contains some of those gasses for a fraction of a second and allows them to expand and cool more gradually by circulating them around internal baffles. This helps to lower the decibel level.

The Occupational Safety & Health Administration (OSHA) has determined that a decibel (dB) level greater than 140 can cause permanent hearing loss. suppressors can lower the dB level below the detrimental 140 dB level.

These devices are attached to issued SWAT Rifles.

Legal/Procedural Rules Governing Use

Because these devices are attached to rifles, all applicable State, Federal and Local laws governing police use of force apply. (See MCX Rifle Legal/Procedural Rules Governing Use for further details)

Costs

Initial Cost: \$827
Recurring Cost: 0
Maintenance: 0
Year Obtained: 2022
How was it budgeted: Departmental savings

Item Photograph



Training Needed

Training in conducted in conjunction with MCX rifles (See MCX Rifle Training Requirements for further details)

Smith & Wesson M&P Patrol Rifle

Description	Smith & Wesson M&P 15 SBR
Quantity	120
Capability	The M&P Patrol rifle is a lightweight, magazine-fed, gas-operated rifle, and is designed for longer, more precise shots.
Life Span	N/A
Manufacturer's Description	M&P15 Rifles are the ideal modern sporting rifle. Built to perform multiple uses under various conditions, M&P15 Rifles are as versatile as they are reliable. Engineered for a wide variety of recreational, sport shooting and professional applications, M&P15 Rifles are easy to accessorize, but hard to put down. M&P15 Rifles are lightweight and rugged embodying the best combination of function and form.
Purpose/Authorized Usage	<p>Officers may deploy the patrol rifle in any circumstance where the officer can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the patrol rifle may include, but are not limited to:</p> <ol style="list-style-type: none">a. Situations where the officer reasonably anticipates an armed encounter;b. When an officer faced with a situation that may require the delivery of accurate and effective fire at long range;c. Situations where an officer reasonably expects the need to meet or exceed a suspect's firepower;d. When an officer reasonably believes that there may be a need to deliver fire on a barricaded suspect or a suspect with a hostage;e. When an officer believes that a suspect may be wearing body armor;f. When authorized or requested by a supervisor.
Legal/Procedural Rules Governing Use	All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force) 312 (Firearms) 313 (Firearms Qualification and Remediation)
Costs	<p>Initial Cost: \$716.90 Recurring Cost: 0 Maintenance: 0 Year Obtained: 2021 How was it budgeted: Departmental savings</p>

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Item Photograph



Training Needed

16-hour POST Patrol Rifle Course, POST certified biannual training, quarterly department qualification.

Remington 870 Shotgun

Description

12 gauge shotgun

Quantity

35

Capability

Deploying 12 gauge shotgun ammunition and 12 gauge slug ammunition.

Life Span

N/A

Manufacturer's Description

America's best selling shotgun for over 50 years, the Model 870's dependability is legendary. The receiver is milled from a solid billet of steel for strength and durability, and the twin action bars ensure smooth, reliable non-binding action. Its solid, dependable action makes it America's favorite, and our continual upgrades make it the most advanced, well-rounded family of pump shotguns around. Along with continually evolving designs, this shotgun's superiority is a matter of rugged dependability, great pointing characteristics and versatility. In fact, the Model 870™ has been the standard for slide-action performance for more than 60 years

Purpose/Authorized Usage

Shotguns offer superior terminal ballistic characteristics when shooting through intermediate barriers compared to a handgun or rifle. A shotgun is to be displayed only under circumstances known or believed to be dangerous.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 312 (Firearms), 313 (Firearms Qualification and Remediation).

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Costs

Initial Cost: \$800
Recurring Cost: 0
Maintenance: 0
Year Obtained: Pre 1990
How was it budgeted: Operating budget

Item Photograph



Training Needed

Semi annual qualification.

Remington 700 LTR

Description

Remington 700 R LTR (Light Tactical Rifle) Bolt Action Rifle

Quantity

5

Capability

Long rang precision shooting

Life Span

End of life 01/01/2022

Manufacturer's Description

Sniper-grade accuracy meets police-grade tactical toughness with the legendary Remington 700 Police LTR platform, engineered to deliver extended-range precision.

Purpose/Authorized Usage

The Remington 700 is an accurate rifle for precision shooting. These rifles are equipped with magnified optics and can be utilized to take precision shots at intermediate to long ranges. The .308 caliber bullet it shoots is also larger and heavier than a typical .223 caliber bullet from an AR-15 which means it will penetrate intermediate barriers such as glass with less deflection.

The rifle may only be deployed by the CBPD SWAT Sniper Team. CBPD SWAT Sniper Team members may deploy the rifle in any circumstance where the officer can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the rifle may include, but are not limited to:

- a. Situations where the officer reasonably anticipates an armed encounter;
- b. When an officer faced with a situation that may require the delivery of accurate and effective fire at long range;
- c. Situations where an officer reasonably expects the need to meet or exceed a suspect's firepower;

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- d. When an officer reasonably believes that there may be a need to deliver fire on a barricaded suspect or a suspect with a hostage;
- e. When an officer believes that a suspect may be wearing body armor;
- f. When authorized or requested by a supervisor.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 312 (Firearms), 313 (Firearms Qualification and Remediation)

Costs

Initial Cost: N/A
Recurring Cost: N/A
Maintenance: 0
Year Obtained: N/A
How was it budgeted: Department Funds

Item Photograph



Training Needed

CA POST Certified Sniper School, Quarterly ASA Sniper Qualification, Monthly Sniper Firearms Training and Qualification.

Accuracy International AT

Description

.308 Accuracy International AT Bolt Action Rifle

Quantity

5

Capability

Long range precision shooting

Life Span

N/A

Manufacturer's Description

The AT (Accuracy Tactical) continues the legacy of the combat proven AW308 and takes the AW to new levels. The AIAT has a 20-inch quick change barrel and a folding stock. The AT is ideal for Law Enforcement and civilian users.

Purpose/Authorized Usage

The AIAT is an accurate rifle for precision shooting. These rifles are equipped with magnified optics and can be utilized to take precision shots at intermediate to long ranges. The .308 caliber bullet it shoots is also larger and heavier than a typical .223 caliber bullet from an AR-15 which means it will penetrate intermediate barriers like glass with less deflection.

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The rifle may only be deployed by the CBPD SWAT Sniper Team. CBPD SWAT Sniper Team members may deploy the rifle in any circumstance where the officer can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the rifle may include, but are not limited to:

- a. Situations where the officer reasonably anticipates an armed encounter;
- b. When an officer faced with a situation that may require the delivery of accurate and effective fire at long range;
- c. Situations where an officer reasonably expects the need to meet or exceed a suspect's firepower;
- d. When an officer reasonably believes that there may be a need to deliver fire on a barricaded suspect or a suspect with a hostage;
- e. When an officer believes that a suspect may be wearing body armor;
- f. When authorized or requested by a supervisor.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 312 (Firearms), 313 (Firearms Qualification and Remediation)

Costs

Initial Cost: \$32,758.68

Recurring Cost: \$1000 every 5 years

Maintenance: N/A

Year Obtained: 2022

How was it budgeted: Department Funds

Item Photograph



Training Needed

80-Hour POST Certified SWAT Academy, CA POST Certified Sniper School, Quarterly ASA Sniper Qualification, Monthly Sniper Firearms Training and Qualification.

AR-10 Rifle

Description

Tactical Armament Technologies

Quantity

1

Capability

The AR-10 rifle is a magazine-fed, gas-operated rifle, and is designed for longer, more precise shots, and for intermediate barrier penetration.

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Life Span N/A

Manufacturer’s Description A tactical workhorse, the AR10 is the perfect tool for duty and defense. An adjustable gas block also allows the rifle to be individually tuned for optimal performance for your choice of ammunition and/or suppressor use.

Purpose/Authorized Usage Officers may deploy the patrol rifle in any circumstance where the officer can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the patrol rifle may include, but are not limited to:

- a. Situations where the officer reasonably anticipates an armed encounter;
- b. When an officer faced with a situation that may require the delivery of accurate and effective fire at long range;
- c. Situations where an officer reasonably expects the need to meet or exceed a suspect's firepower;
- d. When an officer reasonably believes that there may be a need to deliver fire on a barricaded suspect or a suspect with a hostage;
- e. When an officer believes that a suspect may be wearing body armor;

- g. When authorized or requested by a supervisor.

Legal/Procedural Rules Governing Use All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force) 312 (Firearms) 313 (Firearms Qualification and Remediation)

Costs
Initial Cost: 0
Recurring Cost: 0
Maintenance: Regular in-house cleaning
Year Obtained: 2022 Unknown, excess of 10 years ago
How was it budgeted: N/A- Asset Seized

Item Photograph



Training Needed 16-hour POST Patrol Rifle

Simunition FX Marking Cartridges or Equivalent

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Description	Simunitions rounds are low-yield cartridges with a hollow, paint-filled “bullet” that allows Officers to engage in practical combat scenarios, both against each other and with designated role players, with a significantly reduced risk of injury.
Quantity	450
Capability	Deployed via designated Simunition firearms or standard firearms equipped with Simunition conversion kits.
Life Span	5-year shelf life for cartridges
Manufacturer’s Description	The FX® marking cartridges, which come in six colors, are at the core of the FX® Training System known as "the world's most realistic close-range combat training system". The patented, reduced-energy, non-lethal cartridges leave a detergent-based, water-soluble color-marking compound. The visible impacts allow accurate assessment of simulated lethality. The cartridges are available in .38 cal. and 9mm and feature tactical accuracy up to 25 feet (7.6 meters). The 5.56mm is tactically accurate with ball cartridges to 100 feet (30 meters). No special ballistic facilities are required. They meet the need for a force-on-force and man-to-man training system that is realistic, effective, inexpensive, adaptable and fully portable.
Purpose/Authorized Usage	Officers may deploy the patrol rifle in any circumstance where the officer can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the patrol rifle may include, but are not limited to: This department is committed to training and development of front line staff. Simunitions allow personnel to train in real-world scenarios with force-on-force and person-to-person live fire scenario training without the associated dangers to acclimate personnel to stress. This allows officers to use their own service weapons in safe, force-on-force exercises.
Legal/Procedural Rules Governing Use	All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation)
Costs	Initial Cost: \$433 Recurring Cost: As needed Maintenance: N/A Year Obtained: 2017 How was it budgeted: Operating budget

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Item Photograph



Training Needed

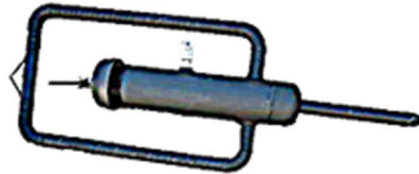
Regional police academy, 24-hour Simunition Scenario Instructor and Safety Certification Course

Chemical Agents/Diversiónary Devices

Gas Ram

Description	Custom Metal Concepts Gas Ram
Quantity	2
Capability	To safely deploy chemical agents through hard barriers or enclosed areas such as vehicles and building walls.
Life Span	N/A
Manufacturer's Description	GasRam are multi-purpose tools. They enable tactical teams various ways to deal with barricaded suspects by delivering non-lethal chemical agents into hardened structures. The systems are designed so that a delivery team can deploy the tools into the structure with minimal risk of starting a fire.
Purpose/Authorized Usage	To deploy chemical agents into the structure with minimal risk of starting a fire and through hardened structures.
Legal/Procedural Rules Governing Use	Because these devices are used in conjunction with various tear gas (CS) agents, all applicable State, Federal and Local laws governing police use of force apply. (See tear gas (CS) guidelines for further details)
Costs	Initial Cost: \$2,370 Recurring Cost: N/A Maintenance: 0 Year Obtained: 2021 How was it budgeted: Operating funds

Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.

Burn Safe

Description	Custom Metal Concepts Burn Safe
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Quantity	2
Capability	Safely deploying incendiary chemical devices while reducing risk of causing an unintended fire
Life Span	N/A
Manufacturer's Description	Burn Safes are multi-purpose tools. They enable tactical teams various ways to deal with barricaded suspects by delivering non-lethal chemical agents into structures. The systems are designed so that a delivery team can deploy the tools into the structure with minimal risk of starting a fire.
Purpose/Authorized Usage	To safely resolve critical situations such as high-risk tactical operations by deploying chemical agents within a structure and reducing the risk of causing an unintended fire.
Legal/Procedural Rules Governing Use	Because these devices are used in conjunction with various tear gas (CS) agents, all applicable State, Federal and Local laws governing police use of force apply. (See tear gas (CS) guidelines for further details)

Costs	Initial Cost: \$1,900
	Recurring Cost: N/A
	Maintenance: 0
	Year Obtained: 2021
	How was it budgeted: Operating budget

Item Photograph



Training Needed	80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.
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MINI Burn Safe

Description	MINI Burn Safe
Quantity	3
Capability	Safely deploying incendiary chemical devices while reducing risk of causing an unintended fire.

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Life Span	N/A
Manufacturer's Description	Burn Safes are multi-purpose tools. They enable tactical teams' various ways to deal with barricaded suspects by delivering non-lethal chemical agents into hardened structures. The systems are designed so that a delivery team can deploy the tools into the structure with minimal risk of starting a fire.
Purpose/Authorized Usage	To safely resolve critical situations such as high-risk tactical operations by deploying chemical agents within a structure and reducing the risk of causing an unintended fire.
Legal/Procedural Rules Governing Use	Because these devices are used in conjunction with various tear gas (CS) agents, all applicable State, Federal and Local laws governing police use of force apply. (See tear gas (CS) guidelines for further details)
Costs	Initial Cost: \$300 Recurring Cost: 0 Maintenance: 0 Year Obtained: 2021 How was it budgeted: Operating budget

Item Photograph



Training Needed	80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.
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Def-Tech Ferret 40mm Barricade Round (Liquid), CS

Description	Def-Tech Ferret 40mm Barricade Round (Liquid), CS
Quantity	18
Capability	Deployed via 40mm Launcher
Life Span	5 years from date of manufacture
Manufacturer's Description	The Ferret 40mm Round is non-burning and suitable for indoor use. Used primarily by tactical teams, it is designed to penetrate barriers, such as windows, hollow core doors, wallboard, and thin plywood. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside of a structure or vehicle. In a tactical deployment situation, the 40mm Ferret is

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primarily used to dislodge barricaded subjects from confined areas. Its purpose is to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

Purpose/Authorized Usage

Used to deploy chemical agent into a specific location from a distance. Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation), 471 (First Amendment Assemblies).

Costs

Initial Cost: \$292
Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.
Year Obtained: 2019
How was it budgeted: Operating budget

Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, 6-hour POST Certified Less Lethal Operator Course, annual exposure, and training in the use of Chemical Agents.

Def-Tech Ferret 40mm Barricade Round (Liquid), CS

Description

Def-Tech Ferret 40mm Barricade Round (Liquid), CS

Quantity

36

Capability

Deployed via 40mm Launcher

Life Span

5 years from date of manufacture

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Manufacturer's Description

The Ferret 40mm Round is non-burning and suitable for indoor use. Used primarily by tactical teams, it is designed to penetrate barriers, such as windows, hollow core doors, wallboard and thin plywood. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside of a structure or vehicle. In a tactical deployment situation, the 40mm Ferret is primarily used to dislodge barricaded subjects from confined areas. Its purpose is to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

Purpose/Authorized Usage

Used to deploy chemical agent into a specific location from a distance. Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation), 471 (First Amendment Assemblies).

Costs

Initial Cost: \$814
Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.
Year Obtained: 2020
How was it budgeted: Operating budget

Item Photograph



Training Needed

80 hour POST Basic SWAT Academy, 6-hour POST Certified Less Lethal Operator Course, annual exposure and training in the use of Chemical Agents.

Def-Tech Ferret 40mm Barricade Round (Powder), CS

Description


Def-Tech Ferret 40mm Barricade Round (Powder), CS

Quantity

36

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Capability	Can be hand thrown, deployed via robot, placed into a Gas Ram, Burn Safe and Munitions Pole
Life Span	5 years from date of manufacture
Manufacturer's Description	The Ferret 40mm Round is non-burning and suitable for indoor use. Used primarily by tactical teams, it is designed to penetrate barriers, such as windows, hollow core doors, wallboard and thin plywood. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside of a structure or vehicle. In a tactical deployment situation, the 40mm Ferret is primarily used to dislodge barricaded subjects from confined areas. Its purpose is to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.
Purpose/Authorized Usage	Used to deploy chemical agent into a specific location from a distance. Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.
Legal/Procedural Rules Governing Use	All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation), 471 (First Amendment Assemblies).
Costs	Initial Cost: \$292 Recurring Cost: Replace as needed Maintenance: Consumable item. Replace as used or expired. Year Obtained: 2019 How was it budgeted: Operating budget
Item Photograph	
Training Needed	80-hour POST Basic SWAT Academy, 6-hours POST Certified Less Lethal Operator Course, annual exposure, and training in the use of Chemical Agents.

Def-Tech Ferret 40mm Barricade Round (Powder), CS

Description	Def-Tech Ferret 40mm Barricade Round (Powder), CS
Quantity	36
Capability	Can be hand thrown, deployed via robot, placed into a Gas Ram, Burn Safe and Munitions Pole
Life Span	5 years from date of manufacture
Manufacturer's Description	<p>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.</p>
Purpose/Authorized Usage	<p>Used to deploy chemical agent into a specific location from a distance. Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.</p>
Legal/Procedural Rules Governing Use	<p>All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation), 471 (First Amendment Assemblies).</p>
Costs	<p>Initial Cost: \$619 Recurring Cost: Replace as needed Maintenance: Consumable item. Replace as used or expired. Year Obtained: 2020 How was it budgeted: Operating budget</p>

CARLSBAD POLICE DEPARTMENT
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Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, 6-hour POST Certified Less Lethal Operator Course, annual exposure, and training in the use of Chemical Agents.

Def-Tech Maximum Smoke HC, Smoke

Description

Def-Tech Maximum Smoke HC, Smoke.

Quantity

32

Capability

Can be hand thrown, deployed via robot, and munitions pole.

Life Span

5 years from date of manufacture

Manufacturer's Description

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.

Purpose/Authorized Usage

To test wind direction prior to tear gas deployment or to aid in the dispersion of chemical agent in an open area environment.

To provide concealment during movement or a distraction for officers during critical incidents.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 471 (First Amendment Assemblies).

Costs

Initial Cost: \$400
Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.
Year Obtained: 2020
How was it budgeted: Operating funds

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Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.

Def-Tech Pocket Tactical, CS

Description

Def-Tech Pocket Tactical CS

Quantity

23

Capability

Can be hand thrown, deployed via robot, placed into a Gas Ram, Burn Safe and Munitions Pole

Life Span

5 years from date of manufacture

Manufacturer's Description

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

Purpose/Authorized Usage

Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 471 (First Amendment Assemblies).

Costs

Initial Cost: \$692
Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.
Year Obtained: 2020

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How was it budgeted: Operating budget

Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.

Def-Tech Pocket Tactical Safe-Smoke

Description

Def-Tech Pocket Tactical Safe-Smoke

Quantity

28

Capability

Can be hand thrown, deployed via robot, placed into a Gas Ram, Burn Safe and Munitions Pole

Life Span

5 years from date of manufacture

Manufacturer's Description

The Pocket Tactical Safe-Smoke Grenade is small, and lightweight. The safe-smoke 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 it is slightly over four inches in length, it produces a smoke cloud so fast it appears to be an enveloping screen produced by a full size tactical grenade.

Purpose/Authorized Usage

To test wind direction prior to tear gas deployment or to aid in the dispersion of chemical agent in an open area environment.

To provide concealment during movement or a distraction for officers during critical incidents.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 471 (First Amendment Assemblies).

Costs

Initial Cost: \$413
Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.

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Year Obtained: 2020
How was it budgeted: Operating budget

Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.

Def-Tech Triple Chaser, CS

Description

Def-Tech Triple Chaser, CS

Quantity

66

Capability

Can be hand thrown, deployed via robot, and Munitions Pole

Life Span

5 years from date of manufacture

Manufacturer's Description

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.

Purpose/Authorized Usage

Specifically designed for better dispersion in an open-air environment. Can be used to disperse a crowd or deny access to a specific location. Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances.

Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 471 (First Amendment Assemblies).

Costs

Initial Cost: \$413

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Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.
Year Obtained: 2020
How was it budgeted: Operating budget

Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.

First Defense 1.3% MC MK-9 Stream OC Aerosol

Description

First Defense 1.3% MC MK-9 Stream OC Aerosol

Quantity

0

Capability

Hand deployment only

Life Span

5 years from date of manufacture

Manufacturer's Description

The MK-9 features an easy-to-use trigger handle, is intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff. Non-flammable / Electronic Discharge Weapon (EDW) safe.

Purpose/Authorized Usage

As with other control devices, oleoresin capsicum (OC) spray and pepper projectiles may be considered for use to bring under control an individual or groups of individuals who are engaging in, or are about to engage in violent behavior. Pepper projectiles and OC spray should not, however, be used against individuals or groups who merely fail to disperse or do not reasonably appear to present a risk to the safety of officers or the public.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation),

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308 (Control Devices and Techniques), 471 (First Amendment Assemblies)

Costs

Initial Cost: \$113
Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.
Year Obtained: 2013
How was it budgeted: Operating funds

Item Photograph



Training Needed

POST Certified Police Academy.

Flameless Tri-Chamber, CS

Description

Flameless Tri-Chamber, CS

Quantity

38

Capability

Can be hand thrown, deployed via robot, placed into a Gas Ram, Burn Safe and Munitions Pole

Life Span

5 years from date of manufacture

Manufacturer's Description

The design of the Tri-Chamber Flameless CS Grenade allows the contents to burn within an internal can and disperse the agent safely with reduced risk of fire. The grenade is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. This grenade will deliver approximately .70 oz. of agent during its 20-25 seconds burn time. The Tri-Chamber Flameless Grenade can be used in crowd control as well as tactical deployment situations by Law Enforcement and Corrections, but was designed with the barricade situation in mind. Its applications in tactical situations are primarily to detect and/or dislodge barricaded subjects. The purpose of the Tri-Chamber Flameless Grenade is to minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects. The Tri-Chamber

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Flameless Grenade provides the option of delivering a pyrotechnic chemical device indoors, maximizing the chemicals' effectiveness via heat and vaporization, while minimizing or negating the chance of fire to the structure.

Purpose/Authorized Usage

Can be used in a mobile field force environment or tactical situation. Can be deployed inside a structure with a reduced risk of fire. Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 471 (First Amendment Assemblies).

Costs

Initial Cost: \$178
Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.
Year Obtained: 2015
How was it budgeted: Operating funds

Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.

Def-Tech Aerosol OC Vapor

Description

Def-Tech Aerosol OC Vapor

Quantity

9

Capability

Can be hand thrown, deployed via robot, placed into a Gas Ram, Burn Safe and Munitions Pole

Life Span

5 years from date of manufacture

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Manufacturer's Description

The Defense Technology® OC Vapor Aerosol Grenade is for law enforcement and corrections use to deliver a high concentration of Oleoresin Capsicum (OC) in a powerful mist. The grenade is designed for indoor-use in confined areas and, once deployed, inflames the mucous membranes and exposed skin resulting in an intense burning sensation. The incapacitating effect of the OC Vapor on the subject is dramatic, yet requires minimal decontamination. Removing the subject from the affected area to fresh air will resolve respiratory effects within minutes. The OC Vapor Aerosol Grenade is ideal for cell extractions or barricade situations where the use of pyrotechnic, powder or liquid devices is not practical or desired.

Purpose/Authorized Usage

Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 471 (First Amendment Assemblies).

Costs

Initial Cost: \$666
Recurring Cost: Replace as needed
Maintenance: Consumable item. Replace as used or expired.
Year Obtained: 2020
How was it budgeted: Operating budget

Item Photograph



Training Needed

80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents

OC Aerosol Grenade 1.3% Fogger, 1 oz. / 6 oz

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Description	OC Aerosol Grenade 1.3% Fogger, 1 oz. / 6 oz
Quantity	10
Capability	Can be hand thrown, deployed via robot, placed into a Gas Ram, Burn Safe and Munitions Pole
Life Span	5 years from date of manufacture
Manufacturer's Description	The 1 oz. / 6 oz. OC Aerosol Grenade will deliver its payload of 1/3% MC% OC in 15-20 seconds. This is an anatomized mist which enhances the pungent 1.3% OC formulation. Ideal for area denial areas like attics, garages, etc. This device has minimum clean up. The canister may also be handheld to direct the spray pattern. This product is designed to provide room clearing ability with minimum clear up requirements.
Purpose/Authorized Usage	As with other control devices, oleoresin capsicum (OC) spray and pepper projectiles may be considered for use to bring under control an individual or groups of individuals who are engaging in, or are about to engage in violent behavior. Pepper projectiles and OC spray should not, however, be used against individuals or groups who merely fail to disperse or do not reasonably appear to present a risk to the safety of officers or the public.
Legal/Procedural Rules Governing Use	All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 471 (First Amendment Assemblies)
Costs	Initial Cost: \$216 Recurring Cost: Replace as needed Maintenance: Consumable item. Replace as used or expired. Year Obtained: 2021 How was it budgeted: Operating budget
Item Photograph	
Training Needed	POST Certified Police Academy.

Speed-Heat CS Gas

Description	Speed-Heat Continuous Discharge Grenade, CS
Quantity	65
Capability	Can be hand thrown, deployed via robot, launched, placed into a Gas Ram, Burn Safe and Munitions Pole
Life Span	5 years from date of manufacture
Manufacturer's Description	The Speed-Heat CS Grenade is a high-volume continuous burn device. It expels its payload in approximately 30-40 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 inches by 2.62 inches and holds approximately 81.2g of CS chemical agent.
Purpose/Authorized Usage	Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.
Legal/Procedural Rules Governing Use	All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 471 (First Amendment Assemblies).
Costs	Initial Cost: \$700 Recurring Cost: Replace as needed Maintenance: Consumable item. Replace as used or expired. Year Obtained: 2018 How was it budgeted: SWAT operating budget

Item Photograph



Training Needed	80-hour POST Basic SWAT Academy, annual exposure, and training in the use of Chemical Agents.
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PepperBall LIVE-X, Mission Munitions, Byrna or Equivalent

Description	Hollow spheres containing Oleoresin Capsicum (commonly known as OC), 2-Chlorobenzylidene Malononitrile (commonly known as CS) and other such irritants that, when exposed, causes minor to moderate irritation to the eyes, mouth, lungs, throat, and skin in order to temporarily incapacitate.
Quantity	6,500
Capability	Deployed via a APLS launcher
Life Span	5-year manufacturer's warranty
Manufacturer's Description	<p>Our most powerful proprietary pepper and tear gas blend: OC, CS all in one shot, with quick-acting incapacitating effects, higher dispersion, and higher concentration of chemical irritants than any other round found on the market today, our Byrna Max projectiles are designed for maximum stopping power.</p> <p>Physical symptoms of chemical irritants often result in disorientation and agitation, which can lead to a state of fear, anxiety and panic in would-be attackers. Upon impact the projectiles burst, creating a cloud of chemical irritant that rapidly disperses into the air to quickly incapacitate an attacker. Within seconds, the saturation area extends in all directions around the point of impact</p>
Purpose/Authorized Usage	<p>This department is committed to reducing the potential for violent confrontations. Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.</p> <p>Circumstances appropriate for deployment include, but are not limited to, situations in which: The suspect is armed with a weapon and the tactical circumstances allow for the safe application of approved munitions. The suspect has made credible threats to harm him/herself or others. The suspect is engaged in riotous behavior or is throwing rocks, bottles or other dangerous projectiles at people and/or officers. There is probable cause to believe that the suspect has already committed a crime of violence and is refusing to comply with lawful orders.</p> <p>TEAR GAS (CS) Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or Crisis Response Unit Commander may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary.</p>

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OLEORESIN CAPSICUM (OC)

As with other control devices, oleoresin capsicum (OC) spray and pepper projectiles may be considered for use to bring under control an individual or groups of individuals who are engaging in, or are about to engage in violent behavior. Pepper projectiles and OC spray should not, however, be used against individuals or groups who merely fail to disperse or do not reasonably appear to present a risk to the safety of officers or the public.

Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)

Costs

Initial Cost: \$1810
Recurring Cost: Replace as needed
Maintenance: N/A
Year Obtained: 2020
How was it budgeted: Operating budget

Item Photograph



Training Needed

6 hour POST Certified Less Lethal Operator Course, Qualification every 6 months.

PepperBall Glass Breaker, Mission Munitions, Byrna or Equivalent

Description

Solid spheres that, when launched from a APLS launcher, are intended to break glass from a distance in order for Law Enforcement to access the interior of a building or vehicle.

Quantity

125

Capability

Deployed via a APLS launcher

Life Span

5-year manufacturer's warranty

Manufacturer's Description

A solid polymer projectile used for breaking out residential windows and side-glass of automobiles. Not for use on humans or animals.

Purpose/Authorized Usage

Used in conjunction with OC, CS, or other less-lethal equipment to safely resolve critical situations such as high-risk tactical operations. Glass breaker rounds are designed to break glass to enable vision into vehicles or buildings, or to deploy gas into an area.

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Legal/Procedural Rules Governing Use

All applicable State, Federal and Local laws governing police use of force. Carlsbad Police Policies 208 (Training), 300 (Use of Force), 303 (De-escalation), 308 (Control Devices and Techniques), 313 (Firearms Qualification and Remediation) 471 (First Amendment Assemblies)

Costs

Initial Cost: \$400
Recurring Cost: Replace as needed
Maintenance: N/A
Year Obtained: 2019
How was it budgeted: Operating budget

Item Photograph



Training Needed

6 hour POST Certified Less Lethal Operator Course, Qualification every 6 months.

Defense Technology Low Roll Reloadable Distraction Device Body

Description

Reloadable low-roll noise flash diversionary device body

Quantity

108

Capability

Can be thrown, deployed via robot, munitions pole

Life Span

5 years

Manufacturer's Description

The Low Roll™ reloadable steel body is the newest version of the original Multi-Port Plus™, reusable, non-bursting canister body.

Purpose/Authorized Usage

Coupled with a Distraction Device Reload, the purpose of this Distraction Device is to draw or direct someone's attention to a different object or location during a high-risk tactical operation. The device accomplishes this by producing a loud noise and bright light when deployed. This bright light and loud noise create a physiological and physiological response also intended to create lag time in an individual's reaction. The Distraction Device can be used to arouse or awaken unresponsive individuals during dangerous critical incidents.

Devices are deployed at the discretion of the SWAT Commander/Incident Commander or by a trained individual if it is determined exigent circumstance exists.

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Legal/Procedural Rules Governing Use

Carlsbad Police Policies 300 (Use of Force) and 303 (De-escalation)

Costs

Initial Cost: \$2995.23
Recurring Cost: Replacement after 5 years per manufacturer or 25 deployments
Maintenance: Replaced as damaged. Maintenance cost is equivalent to fuse price. Reloadable with replacement fuses upon use.
Year Obtained: 2019
How was it budgeted: Departmental savings from FY18

Item Photograph



Training Needed

Completion of an 80-hour POST Certified SWAT Academy.

Body Distraction Device 12-gram Reload with Safety Clip

Description

Distraction Device® 12-Gram Reload with Safety Clip

Quantity

23

Capability

The 12-Gram Distraction Device® Reload w/ Safety Clip utilizes an M201A1 type fuze that was designed for use with the Distraction Device reloadable steel body. The safety clip is designed to keep the pull-pin against the device body to prevent the pin from protruding and possibly snagging on other objects. The 12-Gram Distraction Device Reload w/ Safety Clip is only to be used when properly inserted and tightened into the Distraction Device body

Life Span

5 years of date of manufacture

Manufacturer's Description

The Distraction Device® Reload utilizes a standard military-style M201A1 type fuze and produces 175 dB of sound output at 5 feet and 6-8 million candelas for 10 milliseconds.

Purpose/Authorized Usage

When coupled with a Reloadable low-roll noise flash diversionary device body, the purpose of this Distraction Device is to draw or direct someone's attention to a different object or location during a high-risk tactical operation. The device accomplishes this by producing a loud

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noise and bright light when deployed. This bright light and loud noise create a physiological and physiological response also intended to create lag time in an individual's reaction. The Distraction Device can be used to arouse or awaken unresponsive individuals during dangerous critical incidents.

Devices are deployed at the discretion of the SWAT Commander/Incident Commander or by a trained individual if it is determined exigent circumstance exists.

Legal/Procedural Rules Governing Use

Carlsbad Police Policies 300 (Use of Force) and 303 (De-escalation)

Costs

Initial Cost: \$2432.56
Recurring Cost: N/A
Maintenance: Consumable item. Replaced as used or expiration. Maintenance cost is equivalent to new device.
Year Obtained: 2019
How was it budgeted: Departmental savings from FY18

Item Photograph



Training Needed

Completion of an 80-hour POST Certified SWAT Academy.

Defense Technology Low Roll Reloadable Distraction Device Training Body

Description Reloadable low-roll noise flash diversionary device training body

Quantity 10

Capability Can be thrown, deployed via robot, munitions pole during training

Life Span 5 years

Manufacturer's Description The Defense Technology Low Roll™ Training Body is a replica of the Low Roll™ Distraction Device® body.

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Purpose/Authorized Usage

Used for training.

Legal/Procedural Rules Governing Use

Training Only.

Costs

Initial Cost: \$
Recurring Cost: Replacement after 5 years per manufacturer
Maintenance: Replaced as damaged. Maintenance cost is equivalent to new device. Reloadable with replacement fuses upon use.
Year Obtained: 2019
How was it budgeted: Departmental savings from FY18

Item Photograph



Training Needed

Completion of an 80-hour POST Certified SWAT Academy.

Combined Systems (CTS) 7290T Flash Bang Training Body

Description

A durable 360 degree camera designed to see into unknown locations.

Quantity

2

Capability

Can be thrown, deployed via robot, munitions pole during training

Life Span

N/A

Manufacturer's Description

The Model 7290T training system makes for excellent training scenarios. The system is built and weighs exactly the same as the Model 7290 Flash-Bang, but has no flash charge. The 7290T body is painted with a bright, blue coating and can be used an unlimited number of times.

Purpose/Authorized Usage

Used for training to simulate the deployment of duty issue distraction devices.

Legal/Procedural Rules Governing Use

Training Only.

Costs

Initial Cost: \$

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Recurring Cost: N/A
Maintenance: Replaced as damaged. Maintenance cost is equivalent to new device.
Year Obtained:
How was it budgeted: Departmental funds

Item Photograph



Training Needed

Completion of an 80-hour POST Certified SWAT Academy.

Low Roll Distraction Device Training Fuze

Description

A durable 360 degree camera designed to see into unknown locations. Reloadable training fuze for Low Roll Distraction Device® Training Body.

Quantity

0

Capability

The Defense Technology Low Roll Distraction Device Training Fuze offers a reliable and safe way to introduce students to the proper deployment protocols used by your department.

Life Span

5 years of date of manufacture

Manufacturer's Description

The Distraction Device® Reload utilizes a standard military-style M201A1 type fuze and produces 175 dB of sound output at 5 feet and 6-8 million candelas for 10 milliseconds.

Purpose/Authorized Usage

Used for training to simulate the deployment of duty issue distraction devices.

Legal/Procedural Rules Governing Use

Training Only.

Costs

Initial Cost: \$2432.56
Recurring Cost: N/A
Maintenance: Consumable item. Replaced as used or expiration. Maintenance cost is equivalent to new device.
Year Obtained: 2019

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How was it budgeted: Departmental funds

Item Photograph



Training Needed

Completion of an 80-hour POST Certified SWAT Academy.

Forcible Entry (Breaching) Equipment

Kinetic Breaching Tool

Description	Breaching tool designed to safely open doors
Quantity	1
Capability	Used to safely breach different types of residential and commercial doors
Life Span	N/A
Manufacturer's Description	A tool that bridges the gap of mechanical breaching, shotgun breaching, and explosive breaching. The KBT tool uses a .45 caliber handgun blank to force the attached ram head into the door to defeat a lock and door. No projectile or explosive energy leaves the device except for the force of the ram which is permanently attached to the tool.
Purpose/Authorized Usage	Used to safely breach different types of residential and commercial doors in a rapid fashion without the use of a projectile.
Legal/Procedural Rules Governing Use	Must comply with 844 PC and 1531 PC (Knock and Notice Requirement)
Costs	Initial Cost: \$10,482.88 Recurring Cost: Varies Maintenance: In-house cleaning Year Obtained: 2021 How was it budgeted: SWAT operating budget

Item Photograph



Training Needed

80-Hour POST Certified Basic SWAT Academy and recurring training provided by SWAT certified breachers. Certified Breachers must complete a 40-Hour Manual, Mechanical, Ballistic, Thermal, and Hydraulic Breacher Certification Course.

Hurst Tool

Description	Jaws of Life StrongArm HURST Tool
Quantity	2

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Capability	Rescue tool used gain entry into vehicles, to safely breach different types of residential and commercial doors, and to cut heavy locks and chain
Life Span	N/A
Manufacturer’s Description	The HURST tool provides a portable hydraulic power system to use anywhere. The purpose of the tool is to breach doors, cut through rebar and security bars, break locks, and pry open car doors.
Purpose/Authorized Usage	Rescue tool used gain entry into vehicles, to safely breach different types of residential and commercial doors, and to cut heavy locks and chains.
Legal/Procedural Rules Governing Use	Must comply with 844 PC and 1531 PC (Knock and Notice Requirement)

Costs	Initial Cost: \$1,673.08
	Recurring Cost: N/A
	Maintenance: In-house cleaning
	Year Obtained: 2020
	How was it budgeted: SWAT operating budget

Item Photograph



Training Needed	80-Hour POST Certified Basic SWAT Academy and recurring training provided by SWAT certified breachers. Certified Breachers must complete a 40-Hour Manual, Mechanical, Ballistic, Thermal, and Hydraulic Breacher Certification Course.
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Breaching Rounds

Description	Defense Technology Safariland 3105 breaching rounds
Quantity	100
Capability	Used to defeat locks, deadbolts, hinges
Life Span	5 years from manufacturing date

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Manufacturer's Description

A 12-gauge shotgun breaching round loaded with compressed zinc, utilizing smokeless powder as a propellant. This round is a widely used method to breach door locks or hinges for entry during tactical operations. Upon impact with the target, the zinc slug disintegrates into a fine powder eliminating fragmentation.

Purpose/Authorized Usage

Used to defeat locks, deadbolts, hinges in a rapid fashion. Used during crisis entry when speed is of the utmost importance or when its use appears necessary to defeat a specific breaching problem.

Legal/Procedural Rules Governing Use

Must comply with 844 PC and 1531 PC (Knock and Notice Requirement)

Costs

Initial Cost: Approximately \$20/box of 5
Recurring Cost: Varies
Maintenance: N/A
Year Obtained: 2017
How was it budgeted: SWAT operating budget

Item Photograph



Training Needed

80-Hour POST Certified Basic SWAT Academy and recurring training from SWAT certified breachers. Certified Breachers must complete a 40-Hour Manual, Mechanical, Ballistic, Thermal, and Hydraulic Breacher Certification Course.

Breaching Shotgun

Description

Royal Arms Breaching Shotgun

Quantity

1

Capability

Used to defeat locks, deadbolts, hinges

Life Span

N/A

Manufacturer's Description

- POSITIVE PLACEMENT
- DEFLECT DEBRIS AND GASES AWAY FROM SHOOTER
- 100% KINETIC ENERGY & MUZZLE BLAST
- SIGNIFICANT RECOIL REDUCTION

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- ELIMINATES MOST OR ALL MUZZLE LIFT

Purpose/Authorized Usage

Used to defeat locks, deadbolts, hinges in a rapid fashion. Used during crisis entry when speed is of the utmost importance or when its use appears necessary to defeat a specific breaching problem.

Legal/Procedural Rules Governing Use

Must comply with 844 PC and 1531 PC (Knock and Notice Requirement)

Costs

Initial Cost: \$900
Recurring Cost: N/A
Maintenance: In-house cleaning
Year Obtained: Estimated Pre-2010
How was it budgeted: SWAT operating budget

Item Photograph



Training Needed

80-Hour POST Certified Basic SWAT Academy and recurring training provided by SWAT certified breachers. Certified Breachers must complete a 40-Hour Manual, Mechanical, Ballistic, Thermal, and Hydraulic Breacher Certification Course.

Breaching Shotguns

Description

Remington Breaching Shotgun

Quantity

3

Capability

Used to defeat locks, deadbolts, hinges

Life Span

N/A

Manufacturer's Description

- POSITIVE PLACEMENT
- DEFLECT DEBRIS AND GASES AWAY FROM SHOOTER
- 100% KINETIC ENERGY & MUZZLE BLAST
- SIGNIFICANT RECOIL REDUCTION

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- ELIMINATES MOST OR ALL MUZZLE LIFT

Purpose/Authorized Usage

Used to defeat locks, deadbolts, hinges in a rapid fashion. Used during crisis entry when speed is of the utmost importance or when its use appears necessary to defeat a specific breaching problem.

Legal/Procedural Rules Governing Use

Must comply with 844 PC and 1531 PC (Knock and Notice Requirement)

Costs

Initial Cost: \$900
Recurring Cost: N/A
Maintenance: In-house cleaning
Year Obtained: Estimated Pre-2010
How was it budgeted: SWAT operating budget

Item Photograph



Training Needed

80-Hour POST Certified Basic SWAT Academy and recurring training provided by SWAT certified breachers. Certified Breachers must complete a 40-Hour Manual, Mechanical, Ballistic, Thermal, and Hydraulic Breacher Certification Course.

Rescue Chainsaw

Description

STIHL MS 461 Rescue Chainsaw

Quantity

1

Capability

Rescue chainsaw made to gain entry through fortified doors and walls

Life Span

N/A

Manufacturer's Description

Made specially for rescue operations. A high-speed wood cutting tool.

Purpose/Authorized Usage

Rescue chainsaw made to gain entry through fortified doors and walls.

Legal/Procedural Rules Governing Use

Must comply with 844 PC and 1531 PC (Knock and Notice Requirement)

Costs

Initial Cost: \$1,309.99
Recurring Cost: N/A
Maintenance: In-house cleaning

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Year Obtained: 2019
How was it budgeted: SWAT operating budget

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Training Needed

80-Hour POST Certified Basic SWAT Academy and recurring training provided by SWAT certified breachers. Certified Breachers must complete a 40-Hour Manual, Mechanical, Ballistic, Thermal, and Hydraulic Breacher Certification Course.

Rescue Chainsaw Circular Saw

Description	STIHL TS 700 Circular Saw
Quantity	1
Capability	Rescue chainsaw made to gain entry through fortified doors and walls
Life Span	N/A
Manufacturer's Description	Designed for handling the toughest cutting jobs
Purpose/Authorized Usage	Rescue saw to gain entry through fortified doors and walls.
Legal/Procedural Rules Governing Use	Must comply with 844 PC and 1531 PC (Knock and Notice Requirement)
Costs	Initial Cost: \$1,549.99 Recurring Cost: N/A Maintenance: In-house cleaning Year Obtained: 2019 How was it budgeted: SWAT operating budget

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Training Needed

80-Hour POST Certified Basic SWAT Academy and recurring training provided by SWAT certified breachers. Certified Breachers must complete a 40-Hour Manual, Mechanical, Ballistic, Thermal, and Hydraulic Breacher Certification Course.

Vehicles

Lenco Bearcat

Description	Lenco Bearcat Armored Rescue Vehicle
Quantity	1
Capability	The primary function of an armored rescue vehicle is to provide protection against ballistic threats.
Life Span	N/A
Manufacturer's Description	The Lenco BearCat is the standard tactical armored vehicle for special operations units within the US Law Enforcement community. Since the early 2000s, agencies such as LAPD, LASD SEB, NYPD ESU, Boston PD and hundreds of Federal, State and Local Law Enforcement agencies have made the BearCat G2 part of their standard operating procedure. The G2 has excellent on-road driving characteristics and maneuverability in tight urban settings. The large floor plan seats 10 – 12 fully equipped officers with a long list of tactical features only found on the Lenco BearCat line of armored SWAT vehicles for Police and Government.
Purpose/Authorized Usage	The Lenco BearCat will improve the ability to mobilize personnel and equipment to provide tactical support during critical incidents anywhere in the City and County, including but not limited to weapons of mass destruction, chemical, biological, explosive (CBRNE) incidents, active shooter situations, terrorist and fugitive suspects, hostage rescue situations, barricaded suspect, high risk warrant service, dignitary protection, and other illegal activities. The BearCat will also greatly increase our ability to protect our critical infrastructure within the city.
Legal/Procedural Rules Governing Use	Carlsbad Police Policies 704 (Vehicle Maintenance), 706 (Vehicle Usage)
Costs	Initial Cost: \$254,000 Recurring Cost: None Maintenance: Routine vehicle maintenance Year Obtained: 2011 How was it budgeted: Grant funded

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Training Needed

California class C license. Reoccurring department Emergency Vehicles Operation Course.

SWAT Tactical Command/Equipment Vehicle

Description

Ford Ambulance (Conversion)

Quantity

1

Capability

The SWAT Command Vehicle provides a forward operating location and equipment transport platform.

Life Span

Due to mechanical challenges, vehicle is in need of replacement in future budget cycle (Previously retired fire ambulance)

Manufacturer's Description

Quality is a priority when lives are on the line. Rely on the dependable, durable Ambulance Chassis, 24-7.

Purpose/Authorized Usage

The SWAT command vehicle is dedicated to ensure the storage and transport of equipment needed to resolve a tactical situation that requires adaptability and changing needs during the progression of the incident. The vehicle is equipped with adequate storage and electrical capabilities and can be used jointly as a "Tactical Command" vehicle for dispatchers and SWAT supervisors.

Legal/Procedural Rules Governing Use

Carlsbad Police Policies 704 (Vehicle Maintenance), 706 (Vehicle Usage)

Costs

Initial Cost: \$0 (Retired CFD Ambulance)
Recurring Cost: None
Maintenance: Routine vehicle maintenance
Year Obtained: 2015
How was it budgeted: Re-purposed vehicle/existing department funds

CARLSBAD POLICE DEPARTMENT

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Training Needed

California class C license. Reoccurring department Emergency Vehicles Operation Course.

Mobile Command Post

Description

Mobile Command Post (CP)

Quantity

1

Capability

Mobile Emergency Operations Center

Life Span

20 years

Manufacturer's Description

"Leveraging our 45 years of experience and our second-to-none craftsmanship, we go to great lengths to ensure spot-on performance of mission-critical communications and technology. Not to mention, we do so with an eye on the future, extending the life of your mobile command center by strategically designing interiors for easy, cost-effective upgrades."

Purpose/Authorized Usage

The Mobile Command Post (CP) program supports the mission of public safety through the provision of mobile, on-site platforms for command, control and communications during critical incidents, natural disasters, special events and other similar occurrences. Mobile Command Post Team (Class B licensed drivers required)

Legal/Procedural Rules Governing Use

Carlsbad Police Policies 704 (Vehicle Maintenance), 706 (Vehicle Usage)

Costs

Initial Cost: \$744,756
Recurring Cost: \$2,000 (DirecTV)
Maintenance: \$5,000 (Estimated)
Year Obtained: 2018
How was it budgeted: Departmental savings

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Training Needed

CA DMV Class B license and quarterly driver training.