

<u>Type</u>	Armored Vehicle (Bearcat)	Armored Vehicle (Suburban)
<u>Description</u>	Black armored, wheeled vehicle. White, reflective Agency Name markings and red/blue lights. Equipped with a siren. Can hold a driver and seven passengers.	Gold armored, wheeled vehicle. No Agency markings, but equipped with red/blue lights, and siren. Can hold driver and four passengers.
<u>Quantity</u>	1	1
<u>Capabilities</u>	Range 100 miles; Armor Rated to 50. cal	Range 100 miles; Armor Rated to 50. cal
<u>Expected Life Span</u>	10 years	10 years
<u>Manufacturer's Description</u>	Four-wheeled, five-speed automatic transmission, diesel engine-powered personnel carrier with ballistic glass and armor rated to .50 cal.	Four-wheeled, five-speed automatic transmission, 5.3L V8 engine personnel carrier with ballistic glass and armor rated to .50 cal.
<u>Purpose and Authorized Uses</u>	To provide for the safe transport, security, and rescue of agency personnel and citizens in high-risk incidents.	To provide for the safe transport, security, and rescue of agency personnel and citizens in high-risk incidents.
<u>Fiscal Impact</u>	\$225,000 initial cost; \$5,000 annual maintenance	None.
<u>Legal and Procedural Rules</u>	Refer to policies 702, 703. Refer to SWAT procedures.	Refer to Policy 703. Refer to SWAT procedures.
<u>Required Training</u>	Agency-authorized orientation course; annual refresher.	None. Driver must be ATF Task Force Officer.
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander or appropriate team supervisor.	Operational use under the review of the ATF, SWAT Commander or appropriate team supervisor.
<u>Summary of Use</u>	6 operational deployments, 23 training deployments, 10 community events.	N/A

<u>Type</u>	Mobile Command Truck (SWAT)	Mobile Command Truck (SWAT)
<u>Description</u>	White and black box truck clearly marked with bold black lettering and equipped with red/blue lights and siren. Contains equipment shelves and weapon racks that can hold a driver and passenger while under movement. Used as the Incident Command vehicle.	Black Dodge Ram 5500 Chassis, clearly marked with lettering and equipped with red/blue lights and siren. Contains equipment shelves and weapon racks that can hold a driver and 4 passengers while under movement. Used as the Incident Command vehicle.
<u>Quantity</u>	1	1
<u>Capabilities</u>	Range 100 miles; incident command vehicle	Range 100 miles; incident command vehicle
<u>Expected Life Span</u>	10 years	10 years
<u>Manufacturer's Description</u>	Four-wheeled, five-speed automatic transmission, 7.3L V8 engine with walk-in capabilities	Six-wheeled (dually), six-speed automatic transmission, 6.4L V8 engine with walk-in capabilities
<u>Purpose and Authorized Uses</u>	To provide a means of transportation for equipment and to be used on scene as the Incident Commander/SWAT Lieutenant command and control vehicle.	To provide a means of transportation for equipment and to be used on scene as the Incident Commander/SWAT Lieutenant command and control vehicle.
<u>Fiscal Impact</u>	\$60,000 initial cost; \$5,000 annual maintenance	\$245,5500 initial cost; \$5,000 annual maintenance.
<u>Legal and Procedural Rules</u>	Refer to policies 702, 703. Refer to SWAT procedures.	Refer to policies 702, 703. Refer to SWAT procedures.
<u>Required Training</u>	Agency-authorized orientation course; annual refresher.	Agency-authorized orientation course; annual refresher.
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander or appropriate team supervisor.	Operational use under the review of the SWAT Commander or appropriate team supervisor.
<u>Summary of Use</u>	1 operational deployment, 6 training deployments. (Retired)	5 operational deployments, 17 training deployments.

<u>Type</u>	Mobile Command Vehicle	Crisis Negotiation Team (CNT) Van
<u>Description</u>	Mercedes-Benz sprinter 2500 cargo van, equipped with red/blue lights and siren. Contains equipment shelves and work station(s) and can hold a driver and several passengers. Used as an Incident Command Vehicle.	Mercedes-Benz sprinter 2500 cargo van, equipped with red/blue lights and siren. Contains equipment shelves and work station(s) and can hold a driver and several passengers. Used for Crisis Negotiation Team operations.
<u>Quantity</u>	1	1
<u>Capabilities</u>	Range 100 miles; incident command vehicle	Range 100 miles; Crisis Negotiation Team vehicle
<u>Expected Life Span</u>	10 years	10 years
<u>Manufacturer's Description</u>	Four-wheeled, six-speed automatic transmission, Intercooled Turbo Premium Unleaded engine.	Four-wheeled, six-speed automatic transmission, Intercooled Turbo Premium Unleaded engine.
<u>Purpose and Authorized Uses</u>	To provide a means of transportation for Incident Commanders and equipment. Serves as a mobile work station and command and control vehicle.	To provide a means of transportation for Crisis Negotiators and equipment. Serves as a mobile work station for negotiators during a crisis situation.
<u>Fiscal Impact</u>	\$306,135 initial cost; \$5,000 annual maintenance. (\$193,992 awarded with grants, \$112,062 to be paid with Asset Forfeiture funds.)	\$222,035 initial cost; \$5,000 annual maintenance.
<u>Legal and Procedural Rules</u>	Refer to policies 702, 703.	Refer to policies 702, 703. Refer to SWAT procedures.
<u>Required Training</u>	Agency-authorized orientation course; annual refresher.	Agency-authorized orientation course; annual refresher.
<u>Compliance Mechanisms</u>	Operational use under the review of the Watch Commander or appropriate team supervisor.	Operational use under the review of the SWAT Commander or appropriate team supervisor.
<u>Summary of Use</u>	Approximately 10 operational deployments, approximately 10 community events.	2 operational deployments. 1 training deployment.

<u>Type</u>	Black Van	M4 Rifles
<u>Description</u>	Black van with to row seating and open cargo space in the rear to transport Operators and injured personnel	Black, semi-automatic 11.5" barrel rifle, chambered in 5.56x45mm NATO with collapsible stock, picatinny rail, 1x red dot optic and weapon mounted light attached.
<u>Quantity</u>	1	15
<u>Capabilities</u>	Range 100 miles; Tactical Emergency Medical vehicle	600 meter max effective range; Primary weapon system for the SWAT team
<u>Expected Life Span</u>	20 years	5 years
<u>Manufacturer's Description</u>	Four-wheeled, 4-speed automatic transmission, 4.6L V8 engine, gas powered	Short Barrel Rifle based off of popular design provided to Law Enforcement Personnel. Light weight, durable, and dependable built around cold forged 11.5" barrel.
<u>Purpose and Authorized Uses</u>	To provide a means of transportation for Operators and equipment. Also acts as a quick egress vehicle in case of an evacuation of injured personnel	Used as the primary weapon system of the North County SWAT team and specialized units. Provides accurate semi-automatic fire within a short barreled weapon platform. Can be used in multiple types of environments.
<u>Fiscal Impact</u>	\$28,000 initial cost; \$5,000 annual maintenance	\$1500 per Rifle
<u>Legal and Procedural Rules</u>	Refer to policies 702, 703. Refer to SWAT procedures.	Refer to policies 200, 300, 305, 306 and SWAT procedures
<u>Required Training</u>	Agency-authorized orientation course; annual refresher.	Agency-authorized orientation; POST approved qualification; quarterly qualifications
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander or appropriate team supervisor.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	6 operational deployments, 23 training deployments.	Deployed during monthly SWAT trainings/qualifications, and for use by SWAT operators assigned to Patrol. No uses in the field.

<u>Type</u>	Long Range Sniper Rifles	40mm Multi Launcher
<u>Description</u>	Green and Tan Camouflaged, bolt action, 26" barrel rifle equipped with Razor 1-10x, chambered in .308, with 5 round magazine detachable magazine	Black 40mm launcher with cylindrical magazine and stock equipped with red dot optic able to hold 6 rounds
<u>Quantity</u>	2	2
<u>Capabilities</u>	2,000 meter effective range; used to deliver precision shots on target	Used to gain compliance of aggressive or uncooperative subjects, range approximately 100 yards, able to fire 6 rapid shots without reloading
<u>Expected Life Span</u>	5 years	5 years
<u>Manufacturer's Description</u>	Remington tactical rifles the perfect solution for long-range precision shooters. A long-time favorite of both the military and tactical police units, the Model 700 delivers the legendary accuracy and unfailing performance you've come to expect.	P540-1 – A 40mm pump-action advance magazine drum launcher with a fixed stock and combo rail. It has a six-shot capacity and rifled barrel. Previously labeled the PGL-65, the features include: Double-action trigger, trigger lock push button and hammer lock safeties.
<u>Purpose and Authorized Uses</u>	Used as a long range precision weapon system capable of delivering accurately placed shots on target through a greater magnification at longer ranges.	Used to gain compliance of aggressive or uncooperative subjects and to provide an effective alternative to reloading after every shot and be able to load multiple types of munitions at one time depending on mission criteria
<u>Fiscal Impact</u>	\$1200 per Rifle	\$3200 per launcher
<u>Legal and Procedural Rules</u>	Refer to policies 200, 300, 305, 306, and SWAT procedures	Refer to policy sections 300, 305, and 306
<u>Required Training</u>	Agency-authorized orientation, POST approved course, Bi-monthly training	Agency-authorized orientation; quarterly qual
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	Deployed during monthly SWAT trainings/qualifications. No uses in the field.	Deployed during monthly SWAT trainings/qualifications. No uses in the field.

<u>Type</u>	Pepperball Launcher	LRAD (Long Range Acoustic Device)
<u>Description</u>	A non-lethal system utilized by law enforcement and military to safely gain compliance from uncooperative or potentially dangerous subjects. This non-lethal system fires an irritant chemical agent which is projected by the user from a safe distance.	Long range communication and warning audio system.
<u>Quantity</u>	1	1
<u>Capabilities</u>	Range 150 ft and can contain up to 180 rounds of pepperball. It also utilizes a High Pressure Air canister which propels the projectiles from the system.	600 meters
<u>Expected Life Span</u>	5 years	10 Years
<u>Manufacturer's Description</u>	FTC is a high-capacity, semi-automatic launcher that is perfect for crowd management and mobile field force operations. Reliable and accurate, it features a hopper that can hold up to 180 rounds and a flexible air source configuration.	Long range communication and warning audio system. Used as a vehicle based PA system.
<u>Purpose and Authorized Uses</u>	The Pepperball system gives Officers the ability to address potentially dangerous situations from a distance. This provides an additional level of protection for the subject and the officers.	The system is used to broadcast announcements and give commands.
<u>Fiscal Impact</u>	\$600 per launcher (not including ammunition)	\$8,000
<u>Legal and Procedural Rules</u>	Refer to policy 303.7.2	Refer to SWAT procedures
<u>Required Training</u>	Only SWAT Operators are authorized to carry and use Pepper Projectile Systems; SWAT Operators must have successfully completed department-approved training in the use of Pepper Projectile Systems to carry and use the device.	All SWAT personnel
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	3 patrol deployments (24-19559, 24-37224, 24-55748).	N/A

<u>Type</u>	Breaching Shotgun	Rip Ram
<u>Description</u>	A specially converted shotgun designed to fire a specialty round to defeat or destroy deadbolts, hinges, and locks.	Long, black metal tube with a pull pin, handles and hook used to open locked screen doors and windows.
<u>Quantity</u>	2	2
<u>Capabilities</u>	Range 6 Inches or less	Able to breach a screen door rapidly while being used by a two man team.
<u>Expected Life Span</u>	20 Years	10 years
<u>Manufacturer's Description</u>	A specially converted 12 gauge shotgun that fires a specialty breaching round.	The Punch and Pull entry tool may be the next evolutionary step in manual breaching kit. It may, in fact, relegate the hallagan (which a lot of folks incorrectly call a "hooligan") to a much more secondary role.
<u>Purpose and Authorized Uses</u>	This shotgun is used to rapidly destroy a deadbolt, hinge, or lock while reducing the danger to people behind or around the targeted door.	This tool is used to rapidly breach screen doors, while being carried and utilized by two operators.
<u>Fiscal Impact</u>	\$500	\$400
<u>Legal and Procedural Rules</u>	Refer to policy 403, SWAT procedures	Refer to SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	N/A	5 operational deployments, additional training deployments.

<u>Type</u>	Ram	Mini Ram
<u>Description</u>	Long, black, cylindrical metal tool with handles for two operator use, used to breach doors rapidly and efficiently.	Small, black and silver, lightweight ram, used to breach doors with a single operator.
<u>Quantity</u>	2	2
<u>Capabilities</u>	Able to breach a multitude of doors while being used by a two man team.	Able to breach a multitude of doors while being used by a single operator.
<u>Expected Life Span</u>	10 years	10 years
<u>Manufacturer's Description</u>	30" length, non-sparkling, forward weighted Mono-Shock Ram	The 5.11 Tactical MiniRam Striking Tool is optimized to create the maximum striking force while retaining flexibility of use. The weight optimized and balanced MiniRam works as both a traditional ram for knocking in doors and partly as a striking tool for the MultiBreacher. The tool is designed to be able to be used at shoulder height without the weight of traditional rams.
<u>Purpose and Authorized Uses</u>	This tool is used to rapidly breach different types of doors, while being carried and utilized by one or two operators.	This tool is used to rapidly breach different types of doors, while being carried and utilized by a single operator
<u>Fiscal Impact</u>	\$400	\$550
<u>Legal and Procedural Rules</u>	Refer to SWAT procedures	Refer to SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	10 operational deployments, additional training deployments.	N/A.

<u>Type</u>	5.11 Breachers Kit	DJI Matrice 300 RTK
<u>Description</u>	A heavy duty backpack containing four breaching tools, Multibreacher, Multipry, Edgebender, and mini-ram.	Unmanned Aerial System (UAS) is a commercial drone platform with directional sensors and positioning systems. The UAS is equipped with a First Person Viewing (FPV) camera and has a gimbal connector for additional accessors to be attached, dependent on the mission.
<u>Quantity</u>	1	1
<u>Capabilities</u>	Engineered to provide superior entry capability while minimizing exposure time, these tools will help you defeat portals of any size or strength.	The Matrice 300 RTK has a flight time of up to 55 minutes. The Matrice 300 RTK used by the Fullerton Police Department has dual gimbal capabilities. The dual gimbal capabilities allow the UAS to be equipped with a Wingsland spotlight and a Zenmuse H20T camera.
<u>Expected Life Span</u>	10 Years	Approximately 2-5 years
<u>Manufacturer's Description</u>	A heavy duty backpack containing four breaching tools, Multibreacher, Multipry, Edgebender, and mini-ram.	Commercial drone platform
<u>Purpose and Authorized Uses</u>	This pack is used to carry tools to breach doors.	To further legitimate law enforcement applications and to provide better situational awareness.
<u>Fiscal Impact</u>	\$700	Initial Purchase - \$11,349. Future fiscal cost: Propeller replacement is dependent on use \$120.00. it is projected that four batteries will be replaced each year \$700/battery.
<u>Legal and Procedural Rules</u>	Refer to SWAT procedures	Governed by FAA, 4th Amendment, Department Policies and Operation Manuals
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency-authorized orientation course, successfully pass the Federal Aviation Administrations (FAA) Remote Pilot Test and obtain Part 107 Certificate, attend scheduled training held several times throughout the year. Successfully pass FAA Part 107 renewal exam every two years after obtaining the initial certificate and a <u>once yearly Chief Pilot check flight</u> .
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Use is subject to the applicable policies (Fullerton Policy Manual Section 606) and Federal Aviation Regulations.
<u>Summary of Use</u>	Deployed during monthly SWAT trainings.	69 operational deployments, 16 training deployments.

<u>Type</u>	Unmanned Aircraft Systems (DJI Mavic 2 Enterprise Zoom)	Unmanned Aircraft Systems (DJI Mavic 2 Enterprise Dual)
<u>Description</u>	Unmanned Aerial System (UAS) is a readily available drone platform with directional position sensors and a positioning system. The UAS can be equipped with additional accessories dependent on the mission.	Unmanned Aerial System (UAS) is a readily available drone platform with directional sensors and a positioning system. The UAS can be equipped with additional accessories dependent on the mission.
<u>Quantity</u>	3	1
<u>Capabilities</u>	Mavic 2 Enterprise features a 2x 24-48mm optical zoom camera with a 1/2.3" 12MP sensor and the ability to capture up to UHD 4K resolution video at 30 fps. The low-drag aerodynamic body design can achieve speeds of up to 44.7 mph, up to 31 minutes of flight time.	24mm camera with a 1/2.3" 12MP sensor and FLIR thermal imaging sensor. Together they can capture up to UHD 4K resolution video at 30 fps, or thermal imaging images and temperature data. Speeds of up to 44.7 mph, and up to 31 minutes of flight time.
<u>Expected Life Span</u>	Approximately 2-5 years	Approximately 2-5 years
<u>Manufacturer's Description</u>	Flagship consumer drone built for pros and enthusiasts	Flagship consumer drone with built in FLIR capabilities
<u>Purpose and Authorized Uses</u>	To further legitimate law enforcement applications and to provide better situational awareness.	To further legitimate law enforcement applications and to provide better situational awareness.
<u>Fiscal Impact</u>	Initial purchase (1) DJI Mavic 2 Enterprise Zoom Drone Package - \$2,495.00, Initial purchase (2) DJI Mavic 2 Enterprise Drone Packages - \$1,950. Future fiscal cost: dependent on use Battery \$149.99 each. approximately six batteries a year four for all of the Mavic 2s.	Initial purchase (1) DJI Mavic 2 Enterprise Dual Package - \$3,350.00. Future fiscal cost: dependent on use. Batteries are \$149.99 each and approximately six batteries a year four for all of the Mavic 2s
<u>Legal and Procedural Rules</u>	Governed by FAA, 4th Amendment, Department Policies and Operation Manuals	Governed by FAA, 4th Amendment, Department Policies and Operation Manuals
<u>Required Training</u>	Agency-authorized orientation course, successfully pass the Federal Aviation Administrations (FAA) Remote Pilot Test and obtain Part 107 Certificate, attend scheduled training held several times throughout the year. Successfully pass FAA Part 107 renewal exam every two years after obtaining the initial certificate and a <u>once yearly Chief Pilot check flight.</u>	Agency-authorized orientation course, successfully pass the Federal Aviation Administrations (FAA) Remote Pilot Test and obtain Part 107 Certificate, attend scheduled training held several times throughout the year. Successfully pass FAA Part 107 renewal exam every two years after obtaining the initial certificate and a <u>once yearly Chief Pilot check flight.</u>
<u>Compliance Mechanisms</u>	Use is subject to the applicable policies (Fullerton Policy Manual Section 606) and Federal Aviation Regulations.	Use is subject to the applicable policies (Fullerton Policy Manual Section 606) and Federal Aviation Regulations.
<u>Summary of Use</u>	108 operational deployments, 39 training deployments.	72 operational deployments, 35 training deployments.

<u>Type</u>	Unmanned Aircraft Systems (DJI Mini)	Unmanned Aircraft Systems (DJI Avata 2)
<u>Description</u>	Unmanned Aerial System (UAS) is a readily available drone platform with directional sensors and a positioning system. The UAS can be equipped with additional accessories dependent on the mission.	Unmanned Aerial System (UAS) is readily available drone platform with directional sensors and a positioning system. The UAS can be equipped with additional accessories dependant on the mission.
<u>Quantity</u>	2	2
<u>Capabilities</u>	DJI Mini is an ultralight and foldable drone, 3-Axis gimbal with 4K camera, 12mp photo, 31 minutes of flight time.	DJI Avata 2 is an FPV drone with guarded propellers that pair with goggles to allow for ideal flights when used indoors or in other tight spaces. Flight time is up to 23 minutes.
<u>Expected Life Span</u>	Approximately 2-5 years	Approximately 2-5 years
<u>Manufacturer's Description</u>	Compact consumer drone	Flagship consumer FPV drone
<u>Purpose and Authorized Uses</u>	To further legitimate law enforcement applications and to provide better situational awareness.	To further legitimate law enforcement applications and to provide better situational awareness.
<u>Fiscal Impact</u>	Initial purchase (2) DJI Mavic Mini drone fly more combo - \$499.00. Future fiscal cost is dependent on use. Batteries are \$32.99 each and we estimate needing 2-4 a year.	Initial purchase (2) DJI Avata 2 - \$4,079.98 for UAS and accessories. Future fiscal cost is dependant on use. Batteries are \$129 each and we estimate needing 6-12 a year.
<u>Legal and Procedural Rules</u>	Governed by FAA, 4th Amendment, Department Policies and Operation Manuals	Governed by FAA, 4th Amendment, Department Policies and Operation Manuals.
<u>Required Training</u>	Agency-authorized orientation course, successfully pass the Federal Aviation Administrations (FAA) Remote Pilot Test and obtain Part 107 Certificate, attend scheduled training held several times throughout the year. Successfully pass FAA Part 107 renewal exam every two years after obtaining the initial certificate and a <u>once yearly Chief Pilot check flight</u> .	Agency-authorized orientation course, successfully pass the Federal Aviation Administrations (FAA) Remote Pilot Test and obtain Part 107 Certificate, attend scheduled training held several times throughout the year. Successfully pass FAA Part 107 renewal exam every two years after obtaining the initial certificate and a <u>once yearly Chief Pilot check flight</u> .
<u>Compliance Mechanisms</u>	Use is subject to the applicable policies (Fullerton Policy Manual Section 606) and Federal Aviation Regulations.	Use is subject to the applicable policies (Fullerton Policy Manual Section 606) and Federal Aviation Regulations.
<u>Summary of Use</u>	7 operational deployments, 21 training deployments.	33 training deployments.

<u>Type</u>	Rifle	Sponge Gun
<u>Description</u>	AR 15	Federal 40mm Sponge Gun
<u>Quantity</u>	160	26
<u>Capabilities</u>	Operational range 1 mile	Operational range 10 to 75 feet
<u>Expected Life Span</u>	Approximately 2-5 years	15 to 20 years
<u>Manufacturer's Description</u>	To be used as precision weapons to address a threat with more precision and/or at great distances than a handgun, if present and feasible.	40MM Single shot launcher
<u>Purpose and Authorized Uses</u>	Patriot Ordnance Factory/AR Platform	To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application
<u>Fiscal Impact</u>	\$160,000.00 initial cost	\$26,000.00 initial cost
<u>Legal and Procedural Rules</u>	Penal Code 835a, Policies 300, 300.3, 300.4, 306, 306.3, 306.6	Penal Code 835a, Policies 300, 300.3, 300.4, 306, 306.3, 306.6
<u>Required Training</u>	Initial 20 hour Rifle Course with a twice a year range qualification, along with semi-annual ACT training.	2 hours initial course, along with an annual qualification
<u>Compliance Mechanisms</u>	DA use of force review, Policy 300.5, 300.7, 300.10	Use of force review, Policies 300.5, 300.7, 300.10
<u>Summary of Use</u>	Deployed daily by Patrol Officers. 2 field deployments (24-17710, 24-34814).	3 Patrol deployments (24-40595, 24-49188, 24-67603), 1 SWAT deployment (to disable cameras), approximately 5 training deployments.

<u>Type</u>	Sponge Round (40mm)	Beanbag Round
<u>Description</u>	Def Tech Duty Sponge Round (40mm)	Def Tech 12 Gauge Drag Stabilizer Beanbag Round
<u>Quantity</u>	40	350
<u>Capabilities</u>	Operational range 10-75 ft	Operational range 15 to 75 feet.
<u>Expected Life Span</u>	5 years	5 years
<u>Manufacturer's Description</u>	The eXact iImpact™ 40 mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consisting of a plastic body and sponge nose that is spin stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent. Used for Crowd Control, Patrol, and Tactical Applications.	The Drag Stabilized™ 12-Gauge Round is a translucent 12-Gauge shell loaded with a 40-Gram tear shaped bag made from a cotton and ballistic material blend and filled with #9 shot. This design utilizes four stabilizing tails and utilizes smokeless powder as the propellant.
<u>Purpose and Authorized Uses</u>	To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.	To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.
<u>Fiscal Impact</u>	\$1,500 initial purchase. Purchased yearly as needed.	\$500.00 initial cost
<u>Legal and Procedural Rules</u>	Penal Code 835a, Policies 300, 300.3, 300.4, 306, 306.3, 306.6	Penal Code 835a, Policies 300, 300.3, 300.4, 306, 306.3, 306.6
<u>Required Training</u>	2 hours initial course, along with an annual qualification.	2 hours initial course, along with an annual qualification.
<u>Compliance Mechanisms</u>	Use of force review, Policy 300.5, 300.7, 300.10	Use of force review, Policies 300.5, 300.7, 300.10
<u>Summary of Use</u>	Approximately 6 patrol rounds, approximately 450 training rounds.	3 Patrol deployments (24-02791, 24-08255, 24-13319).

<u>Type</u>	Training Gun (uses only SIM paint rounds)	SIMS (paint rounds)
<u>Description</u>	Glock Blue Training Simunitions	A non-lethal cartridges that leave a detergent-based, water-soluble color-marking compound. The visible impacts allow accurate assessment of simulated lethality.
<u>Quantity</u>	13	4,000
<u>Capabilities</u>	Discharge training simunitions (paint rounds)	Operational range 15 to 660 feet.
<u>Expected Life Span</u>	25 years	5 years
<u>Manufacturer's Description</u>	Designed specifically for use with either FX/FOF or UTM Ammunition, these pistols offer the same ergonomics and touch-and-feel which officers are familiar with their service pistols.	This training ammunition functions in duty pistols and rifles. Firearms must be equipped with an appropriate conversion kit.
<u>Purpose and Authorized Uses</u>	Department training	Department training
<u>Fiscal Impact</u>	\$7,800.00 initial cost.	\$3,000.00 initial cost. \$2,200.00 Used bi-annually at Arrest and Control Training (ACT).
<u>Legal and Procedural Rules</u>	Policy 203	Policy 203
<u>Required Training</u>	Used bi-annually at Arrest and Control Training (ACT).	Used bi-annually at Arrest and Control Training (ACT).
<u>Compliance Mechanisms</u>	All use is monitored by training officer(s)	All use is monitored by training officer(s)
<u>Summary of Use</u>	Deployed during monthly SWAT trainings, ACT update training and Patrol briefing/tactics training.	Approximately 3000 rounds.

<u>Type</u>	Breaching Tool	Breaching Tool
<u>Description</u>	Blackhawk Breaching Tool (Ram)	Blackhawk Breaching Tool (Sledge)
<u>Quantity</u>	4	4
<u>Capabilities</u>	Forced Entry Tool designed to quickly breach door minimizing risk to officers.	Forced Entry Tool designed to quickly breach door minimizing risk to officers.
<u>Expected Life Span</u>	25 years	25 years
<u>Manufacturer's Description</u>	30" length, non-sparkling, forward weighted Mono-Shock Ram	Micro-metal composition breaching sledge that is 22" with a sure-grip handle.
<u>Purpose and Authorized Uses</u>	Breaching interior and exterior doors for dynamic entry.	Breaching interior and exterior doors for a dynamic entry.
<u>Fiscal Impact</u>	\$1,400.00 initial purchase.	\$500.00 initial purchase.
<u>Legal and Procedural Rules</u>	4th amendment, Policies 203, 312, 413	4th amendment, Policies 203, 312, 413
<u>Required Training</u>	Department Training	Department Training
<u>Compliance Mechanisms</u>	Supervisor, and court review	Supervisor, and court review
<u>Summary of Use</u>	Deployed during monthly SWAT trainings.	Deployed during monthly SWAT trainings.

<u>Type</u>	Mobile Command Post for truck or SUV	Shield Spike Hammerspike L1
<u>Description</u>	Troy Police Unit Command Post	L shaped, steel breaching tool with a mushroom shaped hardened steel tip.
<u>Quantity</u>	2	1
<u>Capabilities</u>	Provides a mobile command post that can be placed in the back of an SUV or truck.	Designed to break and push through laminate glass.
<u>Expected Life Span</u>	20 years	10 Years
<u>Manufacturer's Description</u>	Provides a mobile command post that fits in the back of an SUV or truck.	Steel breaching tool, designed at a ninety degree angle, weighing 2 pounds.
<u>Purpose and Authorized Uses</u>	To provide a mobile command post for supervisors.	Used to break and push through laminate glass.
<u>Fiscal Impact</u>	\$20,000 initial cost.	\$340
<u>Legal and Procedural Rules</u>	Not Applicable	Refer to policy 403, SWAT procedures
<u>Required Training</u>	Not Applicable	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Not Applicable	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	Approximately 10 Patrol deployments.	Deployed during monthly SWAT trainings.

<u>Type</u>	Halligan	5.56 SIMS
<u>Description</u>	A steel bar with a wedge on one end and a claw on the other.	A non-lethal cartridges that leave a detergent-based, water-soluble color-marking compound. The visible impacts allow accurate assessment of simulated lethality.
<u>Quantity</u>	2	2000 Rounds
<u>Capabilities</u>	The tool can be used to break through the latch of a swinging door by forcing the tool between the door and doorjamb and prying the two apart, striking it with a sledgehammer or a flat-head axe.	Tactical accuracy up to 100 feet.
<u>Expected Life Span</u>	10 Years	3 Years
<u>Manufacturer's Description</u>	The Halligan is a multipurpose tool for prying, twisting, punching, or striking. It consists of a claw (or fork), a blade (wedge or adze), and a tapered pick, which is especially useful in quickly breaching many types of locked doors.	The 5.56 mm marking cartridge is a 4.6 grain marking round consisting of a polymer shell coupled by a brass ring. The cartridge is made of copper alloy. The marking compound is a non-toxic, detergent based, water-soluble paste.
<u>Purpose and Authorized Uses</u>	Used to pry and pick doors and locks.	Used during training to simulate live fire conditions.
<u>Fiscal Impact</u>	\$400	\$1 per round
<u>Legal and Procedural Rules</u>	Refer to policy 403, SWAT procedures	Refer to policy 403, SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	5 operational deployments.	Approximately 1500 rounds.

<u>Type</u>	9MM SIMS	Light/Sound Diversionary Device
<u>Description</u>	A non-lethal cartridges that leave a detergent-based, water-soluble color-marking compound. The visible impacts allow accurate assessment of simulated lethality.	A single use, non-reloadable device that delivers a sound and light output which are noticeable in day or night conditions.
<u>Quantity</u>	2000 Rounds	37
<u>Capabilities</u>	Tactical accuracy up to 25 feet.	Produces 162 dB of sound output at 5 feet.
<u>Expected Life Span</u>	3 Years	5 Years
<u>Manufacturer's Description</u>	The 9mm marking cartridge is a 7 grain marking round consisting of a polymer shell coupled by a brass ring. The cartridge is made of copper alloy. The marking compound is a non-toxic, detergent based, water-soluble paste.	The Tactical Diversionary Device utilizes a M201A1 type fuze with a single use aluminum body. This compact unit is designed around a 6.5 gram water resistant charge, capable of producing an effective, yet reduced 162dB stimuli. Its size and shape are industry familiar and allow it to fit in standard tactical pouches.
<u>Purpose and Authorized Uses</u>	Used during training to simulate live fire conditions.	Used to create a diversionary sound and light.
<u>Fiscal Impact</u>	\$0.80 per round.	\$47.58 per unit.
<u>Legal and Procedural Rules</u>	Refer to policy 403, SWAT procedures	Refer to policy 403, SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	Approximately 1500 rounds.	7 training deployments.

<u>Type</u>	Breaching Shotgun Shells	Pepperball Projectiles
<u>Description</u>	The 12-Gauge TKO Breaching Round is an ammunition utilized by the Breaching Shotgun. This allows the users to defeat various locking mechanisms that would otherwise hinder one's ability to gain entry into a specified structure.	A non-lethal frangible projectile containing a powdered chemical that irritates the eyes and nose in a manner similar to pepper spray.
<u>Quantity</u>	102 Rounds	500 Rounds
<u>Capabilities</u>	When deployed, the TKO is capable of defeating door lock mechanisms, door knobs, hinges, dead bolts, safety chains, and pad locks on both wooden or hollow core doors.	Direct impact: 60 ft, Area saturated: 150+ ft
<u>Expected Life Span</u>	5 Years	3 Years
<u>Manufacturer's Description</u>	The 12-Gauge TKO Breaching Round is a 12-Gauge shell loaded with a compressed zinc slug, utilizing smokeless powder as a propellant. The is a widely used method to breach door locks or hinges for entry during tactical operations. When properly deployed, the TKO is capable of defeating door lock mechanisms, door knobs, hinges, dead bolts, safety chains, and pad locks on both wooden or hollow core doors. Upon impact with the target, the zinc slug disintegrates in to a fine powder eliminating fragmentation.	The heart of the PepperBall system is the patented PepperBall projectile, a hard plastic frangible sphere that is designed to burst upon impact. The gold standard in the industry, PepperBall projectiles are more accurate, more consistent and disperse a larger cloud than competitive offerings. Over a dozen types of projectiles are available with multiple payload options, PAVA concentrations and manufacturing processes.
<u>Purpose and Authorized Uses</u>	Used to force entry into a structure by disabling the door lock mechanisms, door knobs, hinges, dead bolts, safety chains, and pad locks on both wooden or hollow core doors.	Used to gain compliance from a potentially dangerous subject by discharging the projectiles directly at a subject or to their immediate area
<u>Fiscal Impact</u>	\$6.90 per shell	\$20-\$50 per pack of 20
<u>Legal and Procedural Rules</u>	Refer to policy 403, SWAT procedures	Refer to policy 403, SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	N/A.	Approximately 150 projectiles (training), approximately 120 projectiles (operational).

<u>Type</u>	37MM/40MM Chemical Agent Ferret Projectiles (OC/CS)	SPEDE Heats
<u>Description</u>	The Ferret 37mm/40 mm CS/OC Round is a frangible projectile filled with chemical agent. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers chemical agent payload inside a structure.	A single use, non-reloadable device that discharges a smoke through the canister. The smoke that is discharged is a chemical-laden agent that is designed to cause temporary discomfort through pain compliance for potentially dangerous or violent subjects. This grenade is designed specifically for outdoor use.
<u>Quantity</u>	45 Rounds	17
<u>Capabilities</u>	The Ferret rounds are designed to disperse a non-flammable chemical agent creating temporary discomfort through pain compliance. The ferret rounds are typically utilized at a distance and are used for barricaded subjects.	This can be used in crowd control situations or other outdoor incidents.
<u>Expected Life Span</u>	5 Years	5 Years
<u>Manufacturer's Description</u>	"The Ferret 37mm/40mm Round is a fin-stabilized frangible projectile filled with chemical agent. It is designed to deliver chemical agents in barricade situations from a 37mm or 40mm gas gun. Spin stabilization affords maximum standoff distance and accuracy for safety. The Ferret 37mm/40mm is non-burning and suitable for indoor use. Used primarily by tactical teams, it is designed to penetrate barriers, such as windows and hollow core doors. 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 Ferret 37mm/40mm is primarily used to dislodge barricaded subjects from very small 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."	Designed specifically for outdoor use in crowd control situations, the SpedeHeat™ Grenade is built on the old style larger canister. It is a high volume continuous burn device that expels its payload in approximately 20 – 40 seconds from a single source. The longer burn time may allow for throwback by individuals wearing burn protection such as a welder's mitt. The canisters may be protected from advancing individuals with the use of less lethal impact munitions. The device should be deployed utilizing wind advantage.
<u>Purpose and Authorized Uses</u>	Used to gain compliance from a potentially dangerous subject by discharging the projectiles directly at a subject or to their immediate area	Used to gain compliance from a potentially dangerous subject by emitting smoke that causes temporary discomfort that results in voluntary compliance
<u>Fiscal Impact</u>	\$25 per projectile	\$26 per unit
<u>Legal and Procedural Rules</u>	Refer to policy 403, SWAT procedures	Refer to policy 403, SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	10 training rounds.	N/A

<u>Type</u>	Flameless Tri Chambers	Pocket Tactical CS Grenade
<u>Description</u>	A single use, non-reloadable device that discharges a smoke through the canister without creating any fire. The smoke that is discharged is a chemical-laden agent that is designed to cause temporary discomfort through pain compliance for potentially dangerous or violent subjects.	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.
<u>Quantity</u>	6	2
<u>Capabilities</u>	This can be used in crowd control situations as well as barricaded subjects.	Due to it's smaller size, the operator will be able to carry it on their person. Additionally, the Pocket Tactical Grenade can be used to contain smoke or other chemical agents.
<u>Expected Life Span</u>	5 Years	5 Years
<u>Manufacturer's Description</u>	The Tri-Chamber Flameless Grenade is designed for indoor use. This grenade's pyrotechnic contents are burned within an internal can that is one of three in this design. The internal combustion allows the chemical-laden smoke to be released through three ports on the outer canister side while safely containing any of the fire-producing properties within the two internal canisters. The fuze is shrouded to further protect surrounding materials from the possibility of fire.	"The Pocket Tactical Grenade is a quick burning, reduced volume, continuous discharge grenade available in OC, CN, CS, and Saf-Smoke™. Pelletized chemical agent or smoke is discharged through one (1) gas port located on the bottom of the canister. The Pocket Tactical Grenade is a small, lightweight, easily carried device that provides a medium volume of chemical agent or smoke for certain situations. It was designed with the tactical team in mind for distraction, concealment, rescue, or signaling. The pocket grenade is not specifically intended as a crowd management device; however, it can be used in chemical configurations in conjunction with larger smoke canisters to “piggy back” chemical agent into a predominately smoke environment. This device should be deployed utilizing wind advantage."
<u>Purpose and Authorized Uses</u>	Used to gain compliance from a potentially dangerous subject by emitting smoke that causes temporary discomfort that results in voluntary compliance	Used to gain compliance from a potentially dangerous subject by emitting smoke or another chemical agent that causes temporary discomfort that results in voluntary compliance
<u>Fiscal Impact</u>	\$42 per unit	\$23.50 per unit
<u>Legal and Procedural Rules</u>	Refer to policy 403, SWAT procedures	Refer to policy 403, SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	N/A	2 training rounds.

<u>Type</u>	40MM Direct Impact Round OC/CS/Inert/Marking	Triple Chaser
<u>Description</u>	The 40 mm Direct Impact Round is a point-of-aim, point-of-impact direct-fire round and is intended to be used in applications that exceed the performance capability of the standard Direct Impact Round. An excellent solution whether you need to incapacitate a single subject or control a crowd. When loaded with a green marking agent, the Direct Impact LE can be used to indicate the aggressor in a crowd or riot situation to the team on the ground.	A single use, non-reloadable device that discharges a smoke through the canister that splits into three smaller canisters covering a wider area. The smoke that is discharged is a chemical-laden agent that is designed to cause temporary discomfort through pain compliance for potentially dangerous or violent subjects. This grenade is designed for outdoor and indoor use.
<u>Quantity</u>	100 Rounds	8
<u>Capabilities</u>	Munition travels at an average velocity of 355 feet per second (108 mps) with an effective range of 33 ft – 233 ft (10m – 70m).	This can be used in crowd control situations, outdoor, and indoor incidents.
<u>Expected Life Span</u>	5 Years	5 years
<u>Manufacturer's Description</u>	"The 40mm Direct Impact Extended Range Round has evolved from Defense Technology design of the Direct Impact. This lightweight, high-speed projectile consists of a plastic body and a foam (frangible) nose which is spin stabilized via the incorporated rifling collar and the 40mm launcher's rifled barrel. The rounds utilize smokeless powder as the propellant and have velocities that are extremely consistent. The 40mm Direct Impact Extended Range Round consists of a plastic body and a crushable foam nose that contains a powder payload. This payload area can hold inert, marking, OC or CS powder. The crushable foam nose dissipates energy upon impact while releasing the powder payload. The 40mm Direct Impact® Extended Range Round is a "point-of-aim, point-of-impact" direct fire round that is most commonly used by tactical teams in situations where greater accuracy and deliverable energy is desired	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.
<u>Purpose and Authorized Uses</u>	Used to gain compliance of aggressive or uncooperative subjects. The various types of impact abilities allow the operator to have several options and use them effectively as needed.	Used to gain compliance from a potentially dangerous subject by emitting smoke that causes temporary discomfort that results in voluntary compliance
<u>Fiscal Impact</u>	\$25 per unit	\$25 per unit
<u>Legal and Procedural Rules</u>	Refer to policy 403, SWAT procedures	Refer to policy 403, SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	N/A	N/A

<u>Type</u>	Battery/Hydraulic Handy Rescue System
<u>Description</u>	Battery or hydraulic rescue system operated by a single Officer, able to breach and overcome a multitude of different obstacles, including car doors, doors, fences, and security gates
<u>Quantity</u>	1
<u>Capabilities</u>	This tool can be used to breach any door we face, and provide for a rapid entry when other tools would not suffice.
<u>Expected Life Span</u>	10 years
<u>Manufacturer's Description</u>	<p>The Ogura HRS battery-powered hydraulic rescue system is a portable, lightweight, compact and extremely versatile series of cutting, spreading and forced entry tools. The Handy Rescue System allows you to select the tool you require for your job at the site. Head-units, shear, cutter, spreader and others, are interchangeable, and are securely attached and quickly exchanged at the unique coupling system.</p> <p>Applications include: Car doors and pillars, security bars, doors, gates, fences, padlocks, chains, steel wire, hawsers, cables, rebar, flat bar, brake pedal pendants.</p>
<u>Purpose and Authorized Uses</u>	Used to gain entry into any environment utilizing the least amount of manpower and physical exertion.
<u>Fiscal Impact</u>	\$5,000 per unit
<u>Legal and Procedural Rules</u>	Refer to policy 403, SWAT procedures
<u>Required Training</u>	Agency authorized orientation course; annual refresher
<u>Compliance Mechanisms</u>	Operational use under the review of the SWAT Commander, appropriate team supervisor, and/or Operator discretion.
<u>Summary of Use</u>	N/A.