Redwood City Police Department

May 2023 – Dec 2023

Supplemental Annual Military Equipment Use Report

Table of Contents

Background 2
Definitions 3
Equipment Overview 4
Military Equipment Usage 7
Summary of Community Complaints or Concerns 15
Summary and Responses to Military Equipment Use Policy Violations 16
Training and Personnel Costs 17
Equipment Costs 18
Requested Acquisitions for 2024 19
Conclusion 26

Redwood City Police Department
1301 Maple Street
Redwood City, CA 94063

Background

The Redwood City Police Department (RCPD) is committed to a culture of transparency, community engagement and cooperation, accountability, and compliance with the law, with a focus on building public trust. To this end, the Department has published this Military Equipment Use Report in accordance with state law. On September 30, 2021, Governor Newsom signed California Assembly Bill 481 (AB 481) into law. California Government Code §§ 7070, 7071, and 7072 codify the requirements established by AB 481 for law enforcement's acquisition, use, and funding of "military equipment." In enacting AB 481, the Legislature stated the public has a right to know about any funding, acquisition, or use of military equipment by state or local government officials to increase transparency, accountability, and oversight. The same applies to the public's right to participate in any government agency's decision to fund, acquire, or use such equipment. The bill required law enforcement agencies that seek to continue the use of military equipment acquired prior to January 1, 2022, to receive approval from their governing body, in our case the Redwood City City Council. Council approved Redwood City Police Department Policy 703 – Military Equipment and the Military Equipment Inventory by ordinance (3649) on May 23, 2022. This document serves as a supplemental report covering the period from May 1st, 2023 to December 31st, 2023. The purpose of this supplemental report is to facilitate Annual Military Equipment Use Reports on a calendar year basis going forward. The policy and inventory list are located on the Redwood City Police Department's website at:
https://www.redwoodcity.org/departments/police-department/about-us/department-policies/police-department-policy-proposals/

California Government Code § 7072 requires law enforcement agencies to annually prepare, a Military Equipment Report. The report is required to contain the following information:

1. A summary of how the military equipment was used and the purpose of its use;
2. A summary of any complaints or concerns received concerning the military equipment;
3. The results of any internal audits, any information about violations of the military equipment use policy, and any actions taken in response;
4. The total annual cost for each type of military equipment, including acquisition, personnel, training, transportation, maintenance, storage, upgrade, and other ongoing costs, and from what source funds will be provided for the military equipment in the calendar year following submission of the annual military equipment report;
5. The quantity possessed for each type of military equipment; and
6. If the law enforcement agency intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment.

Definitions

Pursuant to AB 481 and Government Code §7070, the following definitions are applicable to the Department's military equipment inventory:

Governing Body – The elected or appointed body that oversees the Department

Military Equipment – Includes, but is not limited, to the following:

1. Unmanned, remotely piloted, powered aerial or ground vehicles;
2. Mine-resistant ambush-protected (MRAP) vehicles or armored personnel carriers;
3. High mobility multipurpose wheeled vehicles (HMMWV), two-and-one-half-ton trucks, five-ton trucks, or wheeled vehicles that have a breaching or entry apparatus attached;
4. Tracked armored vehicles that provide ballistic protection to their occupants and utilize a tracked system instead of wheels for forward motion;
5. Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units;
6. Weaponized aircraft, vessels, or vehicles of any kind;
7. Battering rams, slugs, and breaching apparatuses that are explosive in nature. This does not include a handheld, one-person ram;
8. Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition;
9. Specialized firearms and ammunition of less than .50 caliber, including assault weapons as defined in Sections 30510 and 30515 of the Penal Code, except for standard issue service weapons and ammunition of less than .50 caliber that are issued to officers, agents, or employees of a law enforcement agency or state;
10. Any firearm or firearm accessory that is designed to launch explosive projectiles;
11. "Flashbang" grenades and explosive breaching tools, "tear gas," and "pepper balls," excluding standard, service-issued handheld pepper spray;
12. Munitions containing tear gas or OC, excluding standard, service issued handheld pepper spray;
13. TASER® Shockwave, microwave weapons, water cannons, and long-range acoustic devices (LRADs);
14. The following projectile launch platforms and their associated munitions: 40mm projectile launchers, "bean bag," rubber bullet, and specialty impact munition (SIM) weapons;
15. Any other equipment as determined by a governing body or a state agency to require additional oversight.

Equipment Overview

The Redwood City Police Department does not own any equipment received from any branch of the military or Department of Defense and does not participate in the Law Enforcement Support Officer (LESO) 10-33 program. The term "military equipment," as used in the statute, in fact does not necessarily indicate equipment that has been commonly used by the military or was necessarily designed for a military purpose. Pursuant to 7070(c), items deemed to be "military equipment" include, but are not limited to: unmanned aerial or ground vehicles, armored vehicles, command and control vehicles, pepper balls and launchers, less lethal shotguns, less lethal 40mm projectile launchers, chemical irritants (CS gas) and diversionary devices. With the exception of patrol rifles, the less lethal 40mm launchers firing sponge baton rounds, and the Tahoe command and control vehicle, these tools are used exclusively by members of the Redwood City Special Response Team (SRT) in controlled operations under close command staff supervisor and subject to strict use of force and de-escalation policies. The full military equipment inventory list can be found on the Department's web page using the link referenced above.

The Department is authorized to deploy the following types equipment described in the statutorily defined categories. These include:

Agency Owned Equipment

1. Specialized firearms and ammunition of less than .50 caliber, including assault weapons as defined in Sections 30510 and 30515 of the Penal Code
    - 4 Colt LE6945 semi-automatic 5.56mm rifles
    - 15 Colt M4 select fire 5.56mm rifles
    - 23 H&K MP5 select fire 9mm submachine guns
    - 91 semi-automatic 5.56mm patrol rifles, various makes and models (77 Colt LE6920, 9 Daniel Defense DCM4, 1 LWRC M6IC, 2 Noveske N4, 1 BCM BCM4, 1 S&W MP15
    - 2 Accuracy International bolt action .308 Caliber precision rifles
    - 1 Remington bolt action .308 Caliber precision rifle
2. Mobile Command Vehicles (MCV)
    - 1 Workhorse / Mattman Truck – Equipment Transport
    - 1 2015 Chevy Tahoe Command Vehicle
3. Battering rams, slugs, and breaching apparatuses that are explosive in nature
    - 1 Remington 870 12 Gauge Breaching Shotgun

4. Noise-flash ("flashbang") diversionary devices
    - 21 Defense Technology Low Roll Distraction Devices
    - 48 Expired Defense Technology Low Roll Distraction Devices – training only
    - 18 Defense Technology Low Roll Training Distraction Devices – training only

5. Munitions containing tear gas or OC, excluding standard, service-issued handheld pepper spray
    - 10 Defense Technology Flameless Tri-Chamber CS Model 1032 Grenades
    - 4 Defense Technology Spede Heat CS Model 1072 Grenades
    - 5 Defense Technology Triple-Chased CS Model 1026 Grenades
    - 10 Defense Technology Riot Control CS Model 1092 Grenades
    - 10 Defense Technology Feret 40mm Liquid Penetrator Rounds CS Model 2262
    - 10 Defense Technology Muzzle Blast 40mm Rounds CS Model 6042
    - 5 FTC/VKS Model Pepperball Launchers and pepperball munitions

6. Unmanned, remotely piloted, powered ground vehicles
    - 4 RoboteX Avatar Tactical Robots

7. Kinetic energy weapons and munitions
    - 36 Defense Technology 40LMTS 40mm Launchers
    - 2 Remington 870 Less Lethal Bean Bag Shotguns

Authorized to Use (Owned by other Public Safety Agencies)

8. Armored Personnel Carriers with Breaching Capability
    - Lenco Bearcat G3 Armored Rescue Vehicle - operated by San Mateo County Sheriff's Office (SMCSO)
    - Lenco Beat MARS Armored Rescue Vehicle – operated by Daly City PD
    - Lenco Bear Medevac (MedCat) Armored Medical Transport – owned by San Mateo County Bureau of Emergency Services
    - IAG Sentinel Armored Rescue Vehicle - owned by San Mateo County Bureau of Emergency Services, operated by San Mateo PD.

9. Unmanned, remotely piloted, powered aerial vehicles
    - DJI Matrice 300 RTK Drone – operated by SMCSO

- Mavic II Enterprise Dual/Advanced Drone – operated by SMCSO
- DJI Matrice 300 RTK Drone – operated by Redwood City Fire Department (RCFD)
- Mavic II Enterprise Dual/Advanced Drone – operated by RCFD

10. Mobile Command Vehicles

- San Mateo County Sheriff's Office Mobile Command Vehicle

Comparative Equipment Chart

This chart provides a comparative look at the type of equipment either owned or authorized for use by 13 other Bay Area Municipal Police Departments of a size similar to Redwood City PD. As the chart shows, Redwood City is in line with other similar sized cities with respect to the equipment it owns and/or is authorized to use.

	Brentwood PD	Daly City PD	Gilroy PD	Mountain View PD	Palo Alto PD	Richmond PD	San Leandro PD	San Ramon PD	Union City PD	Berkeley PD	San Mateo PD	Pleasanton PD	South San Francisco PD	Redwood City PD	**Total # of Agencies Marked**
Specialized Rifles/Ammunition - Less than .50 Caliber	X	X	X	X	X	X	X	X	X	X	X	X	X	X	**14**
Specialized Rifles/Ammunition - .50 Caliber or Greater				X						X					**2**
CS/CN Gas (all types)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	**14**
Kinetic Energy Weapons and Munitions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	**14**
Diversionary Devices (Flashbangs)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	**14**
Battering rams, slugs, and breaching apparatuses that are explosive in nature	X	X	X	X		X	X	X	X	X	X	X	X	X	**13**
Armored Vehicles	X	X	X		X		X	X	X		X	X	X	X	**11**
Aerial Drones and/or Ground Robots	X	X	X	X	X	X	X	X	X	X	X	X	X	X	**14**
Command and Control Vehicles	X	X	X	X	X	X	X	X	X	X	X	X	X	X	**14**
Weaponized Vehicles of any kind															**0**
Tracked Armored Vehicles															**0**
LRAD, TASER Shockwave, microwave weapons, water cannons					X			X		X	X		X		**5**
Firearm or firearm accessory designed to launch explosive projectiles															**0**
Wheeled vehicles that have a breaching or entry apparatus attached.															**0**
Total # of Categories Marked	**8**	**8**	**8**	**8**	**8**	**7**	**8**	**9**	**8**	**9**	**9**	**8**	**9**	**8**	
Agency has/participates in a SWAT Team	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**Y**	**14**

Military Equipment Usage

SRT TEAM Activation – Search Warrant Service
May 24, 2023
1800 Block of East Bayshore Road, East Palo Alto
Suspect: Hispanic Male, 19-years-old

The East Palo Alto Police Department investigated an armed robbery incident that occurred in April 2023. East Palo Alto PD Detectives identified two suspects who lived near each other in East Palo Alto. East Palo Alto PD secured search warrants for each residence, and the San Mateo County Sheriff's Office SWAT team was tasked with executing these warrants. The Sheriff's Office requested the assistance of the RCPD SRT Team to serve one warrant simultaneously, while the Sheriff's Office served the other warrant. RCPD SRT Team members surrounded the residence and one single diversionary device was deployed to the rear of the residence upon arrival. All the occupants exited the residence and the suspect was taken into custody.

SRT Team deployed with:

- San Mateo PD armored rescue vehicle
- 40mm less lethal
- Rifles (M4 and MP5)
- Defense Technology 8933 low roll non-reloadable distraction device
- Workhorse/Mattman equipment command and control vehicle
- CS gas

Note: The SRT team did not use/deploy any firearms, CS gas, or 40mm baton rounds during this incident. SRT team members were merely equipped with these items and able to deploy them if needed.

SRT Team Activation – Criminal Barricade

October 14, 2023
200 Block of Madison Avenue, Redwood City
Suspect: Hispanic Male, 24-years-old

Redwood City PD Officers were dispatched to a call regarding a subject that entered his neighbor's residence without permission. Patrol officers set a perimeter around the home and RCPD Crisis Negotiations Unit members made numerous unsuccessful communication attempts with the subject. Some SRT Team members were on scene also assisting with this call for service. After approximately 4 hours, the SRT Team was activated. The subject exited the home shortly after the SRT Team was activated. A patrol officer deployed a single 40mm sponge baton round and a K-9 Officer also deployed his K-9 partner. The subject surrendered before the SRT Team fully deployed. The subject complained of pain to his right hand, but had no visible injuries.

SRT Team deployed with:

- Rifles (M4)
- Workhours/Mattman equipment command and control vehicle

Note: The SRT team did not use/deploy any firearms, CS gas, or 40mm baton rounds during this incident. 3 SRT Team members arrived on scene by the time the subject surrendered.

SRT Team Activation – Criminal Barricade

November 9, 2023
Unit block of Waterside Circle, Redwood City
Suspect: White Male, 35-years-old

The Redwood City Police Department authored a search and arrest warrant for a subject and initial plans were set to serve the warrant on November 10, 2023. On November 9th, the wanted subject was located in front of his elderly parent's residence, but he immediately fled into the home upon being seen. After a few minutes, the subject started a fire in the back yard. Due to the subject's history and current actions, the SRT Team was activated. A perimeter was established and during this time, the subject exited the home but re-entered several times. The Crisis Negotiations Unit was unsuccessful with contacting the subject. The SRT Team eventually made entry and contacted the subject upstairs. During the incident, SRT Team members deployed five 40mm sponge baton rounds and a K9. The subject was taken into custody and he sustained minor injuries.
SRT Team deployed with:

- Armored Rescue Vehicle (SMCSO)
- MedCat Armored Rescue Vehicle (AMR)
- Armored Rescue Vehicle (SMPD)
- Workhorse/Mattman equipment command and control vehicle
- Rifles (M4 and MP5)
- 40mm less lethal
- DJI Matrice 300 RTK Drone (RCFD)
- CS Gas

Note: The SRT team did not use/deploy any firearms or CS gas during this incident. SRT team members were merely equipped with these items and able to deploy them if needed.

SRT Team Activation – Warrant Service

December 13, 2023
Unit block of Laurel Street, Redwood City
Suspect: Hispanic Male, 18-years-old

The Alameda County Sheriff's Office investigated a homicide incident that occurred in their jurisdiction. The Alameda County Sheriff's Office obtained Ramey warrants for the arrest of two subjects, who lived in Redwood City jurisdiction. The Alameda County Sheriff's Office requested the assistance of the RCPD SRT Team to serve the Ramey warrants. RCPD SRT Team members surrounded the residence and one single diversionary device was deployed on the north side of the residence upon arrival. All the occupants exited the residence and the two subjects were taken into custody and turned over to Alameda County Sheriff's Office personnel.

SRT Team deployed with:

- Armored Rescue Vehicle (SMCSO)
- Armored Rescue Vehicle (SMPD)
- Workhorse/Mattman equipment command and control vehicle
- Rifles (M4 and MP5)
- 40mm less lethal
- DJI Matrice 300 RTK Drone (RCFD)
- Defense Tech 8933 low roll distraction device
- CS Gas

Note: The SRT team did not use/deploy any firearms, CS, or 40mm baton rounds gas during this incident. SRT team members were merely equipped with these items and able to deploy them if needed.

Patrol Division – Area Search with Drone for Wanted Subject

May 18, 2023
600 Block of Charter Street, Redwood City

Patrol Officers were dispatched to a restraining order incident. The suspect had several outstanding warrants for his arrest, to include a warrant for an assault with a deadly weapon. Officers searched the residence for the suspect but did not locate him. It was believed that the suspect was still in the area and a drone was requested from the Redwood City Fire Department and San Mateo County Sheriff's Office. The Redwood City Fire Department would not respond due to the nature of the call, and the SMCSO did not have a drone operator available. San Bruno PD's drone was requested and a San Bruno PD drone operator responded to the scene. A search of the area was made using the drone, however the suspect was not located.

Equipment used:

- DJI Mavic Enterprise Drone (San Bruno PD)

Patrol Division – Missing Person Area search with Drone

July 26, 2023
100 Block of Roosevelt Avenue, Redwood City

Patrol Officers were dispatched to a report of an 8-year-old girl that went missing after walking away from a grocery store parking lot. A request for the Redwood City Fire Department was made, however the child was located unharmed by officers prior to the RCFD arrival.
Equipment requested:

- Mavic 2 Enterprise (RCFD)

Patrol Division – Area search with Drone for Attempted Murder Suspects

August 10, 2023
1100 Block of Roosevelt Avenue, Redwood City

Patrol Officers were dispatched to a report of a shooting at Redwood Morton Park. Officers arrived and located a victim with multiple gunshot wounds. During the investigation, a second victim was located and also found to be suffering from a gunshot wound. Two suspects fled the scene prior to police arrival. A drone was requested to assist with an area search. A drone operator from San Mateo PD responded, however the suspects were not located.

Equipment used:

- DJI Matrice 2 Enterprise (SMPD)

Patrol Division – Missing Person Area Search with Drone
September 22, 2023
700 Block of Boardwalk Place, Redwood City

Patrol Officers were dispatched to a report of a 16-year-old child with a medical disability that went missing after walking away from home. A request for the Redwood City Fire Department drone was made, however, the child was located unharmed by officers prior to the RCFD arrival.

Equipment requested:

- DJI Matrice 300 RTK Drone (RCFD)

Patrol Division – Area Search with Drone for Possible Armed Subject
October 26, 2023
Intersection of Sanchez Way and Oak Avenue, Redwood City

Patrol Officers were dispatched to a report of shots being fired from two vehicles. When RCPD officers arrived, both vehicles fled. One vehicle evaded police, however, the second vehicle was involved in a solo vehicle collision. The driver fled on foot into densely vegetated area of the freeway shoulder. A request for a drone was made and a drone operator from Atherton PD responded. The drone operator used the drone's thermal imagining capability and located an area where the subject possibly was. Officers found the suspect in this area and he was taken into custody.

Equipment used:

- Paladin drone (Atherton PD)

Patrol Division – Drone for Possible Armed Subject
November 5, 2023
2000 Block of East Bayshore Road, Redwood City

Patrol Officers were dispatched to a report of a subject standing on a roof of a trailer house with a gun. Officers established a perimeter and members from the Crisis Negotiations Unit responded and began communication with the subject. The subject was no longer on the roof, however, he was uncooperative with negotiators and would not follow instructions. A drone was requested and the Redwood City Fire Department responded with their drone to assist. When the subject exited the home, a patrol officer deployed and fired the 40mm less lethal launcher twice and the subject as detained shortly after by additional officers.

Equipment used:

- 40mm less lethal
- Mavic 2 Enterprise (RCFD)

Patrol Division – Drone Search for Possible Arson Suspect
November 10, 2023
1500 Block of Maple, Redwood City

Patrol Officers were dispatched to a report of a subject setting multiple fires next to a building. The suspect fled prior to police area. Officers established a large perimeter and an extensive search for the suspect was conducted. A request for a drone was made and the Redwood City Fire Department responded. The suspect was not found.

Equipment used:

- Mavic 2 Enterprise (RCFD)

40MM Sponge Rounds used during this reporting period

A total of (10) 40MM sponge rounds were fired during this reporting period. The (10) 40mm sponge rounds were fired during 5 separate incidents. 1 round each was fired in three incidents, 2 rounds were fired during one of the additional incidents, and 5 rounds were fired on the last incident. The suspects in these incidents included a black 51-year-old female, a 24-year-old Hispanic Male, a 47-year-old Hispanic male, a 23-year-old black male, and a 35-year-old white male.

Equipment Not Used During the Reporting Period

1. Chemical Agent Munitions
    - Defense Technology Flameless Tri-Chamber CS Model 1032 Grenades - **0** Uses
    - Defense Technology Spede Heat CS Model 1072 Grenades – **0** Uses
    - Defense Technology Triple-Chased CS Model 1026 Grenades – **0** Uses
    - Defense Technology Riot Control CS Model 1092 Grenades - **0** Uses
    - Defense Technology Feret 40mm Liquid Penetrator Rounds CS Model 2262 - **0** Uses
    - Defense Technology Muzzle Blast 40mm Rounds CS Model 6042 – **0** Uses
2. Kinetic Weapons
    - 5 FTC/FKS Model Pepperball Launcher – **0** Uses
    - Remington 870 Less Lethal Bean Bag Shotgun – **0** Uses
3. Breaching Apparatus

- Remington 870 12 Gauge Breaching Shotgun – **0** Uses

4. Specialized Firearms
    - H&K MP5 select fire 9mm rifles – **0** Uses
    - Colt M4 select fire 5.56mm rifles – **0** Uses
    - Accuracy International bolt action .308 Caliber precision rifle – **0** Uses
    - Remington bolt action .308 Caliber precision rifle – **0** Uses
5. Unmanned, remotely piloted, powered ground vehicles.
    - RoboteX Avatar Tactical Robot – **0** Uses
6. Armored Vehicles with Breaching Capability
    - Lenco Bear MARS Armored Rescue Vehicle – **0** Uses

Summary of Community Complaints or Concerns

The application and use of Military Equipment may cause questions and/or concerns for members of the community. The Redwood City Police Department is committed to responding to complaints, concerns and/or questions received through any of the below-listed methods in a timely manner.

There were no community complaints made related to the use of military equipment by the Redwood City Police Department during the reporting period.

Pursuant to California Government Code §7070(d)(7), members of the public may register complaints or concerns or submit questions about the use of each specific type of military equipment in this policy by any of the following means:

1. Via email to: RCPD@redwoodcity.org
2. Via phone call to: (650) 780-7100
3. Via mail sent to:

Redwood City Police Department
Attn: Military Equipment Compliance Officer
1301 Maple Street
Redwood City, CA 94063

Summary and Responses to Military Equipment Use Policy Violations

The Department has reviewed each use of the military equipment that occurred during the reporting period and has not found any policy violations related to its use during the reporting period and no administrative investigations are on-going.

Training and Personnel Costs

The safe and proficient use of the equipment outlined by AB481 requires countless hours of initial and on-going training, as well as required certifications. Most training for department personnel is conducted internally by certified department personnel to ensure adherence to law and policy. There are times when department personnel are sent to external training courses to enhance and supplement internal training and to obtain "train the trainer" certifications. Consumable and non-consumable equipment is used during training to ensure proficiency and competency during real-life emergencies.

	Equipment	Consumables Used	External Training	Total Cost
1.	Redwood City Tahoe Command and Control Vehicle	$0	$0	$0
2.	Lenco BearCat GG3	$0	$0	$0
3.	Lenco BearCat/MedCat	$0	$0	$0
4.	Lenco Bear MARs	$0	$0	$0
5.	IAG Sentinel Armored Vehicle	$0	$0	$0
6.	Robotex Robots	$0	$0	$0
7.	Defense Technologies Distraction Devices	$200	$0	$200
8.	Deftech LMT 40 MM Kinetic Energy Projectiles (Training)	$200	$0	$200
9.	Accuracy International .308 Precision Rifle	$1,749.08	$2,423.00	$4,172.08
10.	Remington Breaching Shotgun (Model 870, 12 Gauge)	$0	$0	$0
11.	Patrol Rifle - 5.56 semi-automatic rifle	$1,212.48	$828.00	$2,040.48
12.	Colt M4 select-fire 5.56mm rifle	$3,084.75	$0	$3,084.75
13.	MP5 9mm submachine gun	$734.69	$0	$734.69
14.	Pepperball Launchers	$0	$0	$0
15.	Defense Technologies CS Gas Systems (All Types)	$0	$0	$0
	Total:	**$7,181.00**	**$3,251.00**	**$10,432.00**

Training Type	Hours	Total Cost
SRT Training Personnel Hours	1,116.50	$209,228.73 (Overtime)
Other Training Personnel Hours (40mm Launcher/Patrol Rifles)	230	N/A (Straight Time)

Equipment Costs

The following were the equipment related expenditures for May 2023 through December 2023. Also listed is the projection of expenses in calendar year 2023. Equipment expenditures include the acquisition of new equipment, the replacement or repair of damaged equipment, and the ongoing maintenance of our AB 481 military equipment, which are captured in our Annual Maintenance/Replacement column. All costs are absorbed through the existing authorized police department budget and the department is not seeking any additional funds related to military equipment use.

	Equipment	Acquisitions	Annual Maintenance	Projections
1.	Redwood City Tahoe Command and Control Vehicle	$0	$8,400.00	$12,600.00
2.	Workhorse / Mattman Truck – Equipment Transport	$0	$1,825.00	$2,700.00
3.	Patrol Rifles	$0	$0	$0
4.	Colt M4 select-fire 5.56mm rifles	$0	$0	$0
5.	H&K MP5 select-fire 9mm submachine guns	$0	$0	$0
6.	Accuracy International .308 caliber rifle	$0	$0	$0
7.	Defense Technology Low Roll Distraction Devices	$0	$0	$0
8.	Defense Technology 40 MM Kinetic Energy Projectiles	$0	$0	$1,000
9.	Accuracy International .308 Precision Rifle	$0	$0	$0
10.	Remington Breaching Shotgun (Model 870, 12 Gauge)	$0	$0	$0
11.	RoboteX Avatar Tactical Robots	$0	$0	$0
12.	Pepperball Launchers	$0	$0	$0
13.	Defense Technologies CS Gas Systems (All Types)	$0	$0	$0
14.	5.56mm Ammunition (Patrol and M4 Rifles)	$10,298.55	$0	$10,000
15.	9mm Ammunition (MP5)	$734.69	$0	$2,500
16.	308. Ammunition	5,321.96	$0	$5,000
	Total:	**$16,355.20**	**$10,225.00**	**$33,800.00**

Total Annual Expenditure - May 2023 through December 2023

Acquisitions	Maintenance	Personnel	External Training	Total
$16,355.20	$10,255.00	$209,228.73	$3,251.00	**$239,089.93**

Projected Acquisitions for 2024

While some purchases and acquisitions can be anticipated, the unanticipated replacement of existing AB 481 equipment may be necessary due to damage beyond that of repair. Replacement of these items will be handled on a case-by-case basis dependent on operational and departmental needs. These unexpected needs-based acquisitions will be in accordance with department policy and AB 481.

Consumable Military Equipment

Consumable AB 481 military equipment acquisitions in the next 12 months will remain consistent with current department replenishment schedules and policies. Acquisitions and purchasing of these consumables will replenish quantities previously approved by the Department. Categories of consumables are as follows:

- Ammunition - all calibers
- Diversionary Devices
- Chemical Agents
- Specialty Munitions (40mm and Less Lethal Munitions)
- Pepperball Rounds

Projected costs associated with consumables are listed in the chart in the “Equipment Costs” section of this report.

Non-Consumable Military Equipment

Defense Technology 400 Tactical 4-Shot Launcher: $1,900/unit

The department is already authorized to use single shot 40mm less-lethal launchers and deploys them on patrol and with the SRT unit. The addition of the Defense Technology 40mm Tactical 4-Shot Launcher as an extra tool for the Redwood City Police Department brings forth several noteworthy advantages to the department's less-lethal capabilities. The low-profile and lightweight design ensures not only ease of carry, but also facilitates swift deployment, allowing officers to respond promptly to evolving situations. The introduction of a valuable multi-shot capacity significantly enhances the department's tactical options, enabling officers to address varying law enforcement scenarios with increased flexibility and adaptability. With a launch range of up to 131 feet, the 4-shot launcher allows officers to maintain safe distances during engagements, playing a crucial role in supporting de-escalation efforts and minimizing potential risks. As a supplementary tool alongside the existing single 40mm launcher in the possession of the Redwood City Police Department, the Defense Technology 40mm Tactical 4-Shot Launcher provides an additional layer of options and tactical flexibility. This not only promotes positive outcomes for officer safety, but also contributes to community well-being and overall law enforcement efficiency. If approved, the devices (5) would be funded using existing equipment funds allocated in the police department budget.

HyperSpike: $3,750

The use of the Hyperspike Acoustical Device will enhance communication. It is a powerful and effective means of communication and can project clear and intelligible messages over long distances, allowing law enforcement officers to communicate with individuals at critical incidents or crowds in emergencies or during public gatherings. The device can be used in various scenarios, such as hostage situations, public safety announcements, and search and rescue operations. Its versatility makes it a valuable asset for the Redwood City Police Department in addressing a range of law enforcement challenges. The device's long-range communication capability allows officers to maintain a safe distance from potentially dangerous situations while still effectively communicating with individuals or crowds. This can help minimize risks to officers and increase overall safety. If approved, the device would be funded using existing equipment funds allocated in the police department budget.

DRONES:

Autel Robotics EVO II Dual Thermal Drone (Outdoor)

DJI Avata Drone (Indoor)

Drones have the capability to enhance nearly every aspect of law enforcement. The following is a list of common drone uses for law enforcement. While each of these employ similar skills, they also all require different and unique training and experience: Crime Scene and Collision Scene photography, Crime Scene and Collision scene mapping; Bomb team support: device surveying, robot over watch, detonation confirmation, gas/chemical detection, evidence documentation; Special Operations: pre-operation surveillance, operation over watch, interior integration, fleeing suspect tracking/observation; Mass Gathering Events: Situational awareness, Traffic Safety, Threats to the Public; Patrol Response: Fleeing suspect tracking, missing person search, building search, and high safety risk incidents.

The capabilities of a drone can vary significantly depending on the specific model and its intended use. Here are some general capabilities:

1. Enhanced Situational Awareness: Drones can provide real-time aerial views of incidents, allowing law enforcement to gain enhanced situational awareness. This can be crucial in various scenarios, such as search and rescue operations, accident investigations, or monitoring large public events.

2. Public Safety: Drones can be used to assess potentially dangerous situations without putting officers at risk. They can provide valuable information in situations involving armed suspects, hazardous materials, or other high-risk incidents.

3. Search and Rescue Operations: Drones equipped with cameras and thermal imaging technology can

aid in search and rescue operations, helping locate missing persons, accident victims, or individuals in remote or difficult-to-access areas.

4. Crime Scene Documentation: Drones can capture high-resolution images and video footage of crime scenes, which can be useful for documentation, analysis, and reconstruction purposes.

5. Traffic Management: Aerial views provided by drones can assist in monitoring traffic flow, managing congestion, and responding to accidents or road closures more effectively.

6. Range: The range of a drone refers to how far it can travel from the operator before losing connection or control. This can vary greatly depending on factors such as the type of drone, its communication system, and any regulatory restrictions in place. Some consumer drones may have a range of a few hundred meters to a few kilometers, while professional-grade drones can have ranges of several kilometers or more.

7. Run Time: Run time, also known as flight time, refers to how long a drone can stay airborne on single battery charge. Again, this can vary depending on factors such as the size of the drone, its payload, and the flight conditions. Consumer drones typically have run times ranging from around 10 to 30 minutes, while professional drones can fly for longer periods, sometimes up to an hour.

8. Live View: Many drones come equipped with cameras that provide a live video feed to a remote controller or mobile device, allowing the operator to see what the drone sees in real-time. This live view capability is often used for piloting the drone, framing shots, and monitoring the surrounding area during flight.

9. Recording: Drones often have the capability to record video and capture still images using onboard cameras. These recordings can be stored internally on the drone or transmitted wirelessly to a ground station for storage and viewing. Recording capabilities can vary in terms of resolution, frame rate, and file format depending on the drone model.

10. Thermal Imaging: Some drones are equipped with thermal imaging cameras, which can detect and visualize differences in temperature across a scene. Thermal imaging is particularly useful for applications such as search and rescue, suspect apprehension, infrastructure inspection and anywhere heat signatures may not be visible to the naked eye.

Drone Availability:

Based on all of the reasons identified above, drones are quickly becoming a required piece of essential piece of equipment for law enforcement agencies. The following agencies in San Mateo County currently have a drone program: San Mateo County Sheriff's Office, San Bruno PD, Daly City PD, San Mateo PD and Atherton PD. Additionally, the Redwood City Fire Department is currently in its infancy of implementing drones.

From May 2023 to December 2023 the Redwood City Police utilized a drone from one of these allied agencies 7 times for a variety of circumstances. There were a variety of other incidents in which we attempted to use a drone. While each use was beneficial, utilizing another agencies equipment presents a variety of problems. These include: lack of availability and delay in response times; conflict of department policies and uses; problems with evidence collection and evidence retention.

Drone Proposal:

If approved, the Redwood City Police Department will create a comprehensive drone program. Because drones have been in use for some time, there are well-established best practices, which have been established by over 1,000 police agencies in the United States. This will include the training of personnel, the acceptable uses, creation of department policy, the storage of data and data sharing parameters. The ideal initial drone program will include six exterior drones and two interior drones. This initial startup cost will be approximately $87,000, including equipment and training, with estimated annual maintenance costs of $10,000.

Kinetic Breaching Tool (KTB): Cost $13,000

The KBT (Kinetic Breaching Tool) is a mechanical breaching tool that bridges the gap between traditional mechanical breaching, shotgun breaching and explosive entry. It utilizes a proprietary .45 caliber handgun blank to deliver up to 1,000 ft/lb of force through a hardened steel ram. The ramming surface is narrow enough to focus on a single hinge, yet powerful enough to breach steel security doors. This is a quicker and safer method than previous options. A tool like this would have been useful in situations like Uvalde Texas in which a gunman was barricaded inside a classroom. The Department is already authorized to use kinetic breaching shotguns, which fire a specialized 12 gauge shotgun shell designed to defeat door locks and hinges. This new device is a safer alternative as it does not launch a projectile, but rather uses a captured ram that cannot over penetrate or ricochet. If approved, the device would be funded using existing equipment funds allocated in the police department budget.

Armored Rescue Vehicle Update:

Council approved the use and storage of an armored rescue vehicle by the Police Department in May 2023. The vehicle was to be acquired through a federal grant awarded to the Port of Redwood City. The Port is close to reaching a contract with Lenco and the acquisition will take place in spring 2025.

The Department is developing policy related to the use of the vehicle and will present this policy as part of its 2024 annual military equipment report. The Department plans to request authorization to proceed with the acquisition process to purchase 5 Defense Technology 400 Tactical 4-shot launchers, the HyperSpike Acoustical Device, drones, and the Kinetic Breaching Tool at the April 15, 2024, City Council meeting where Council will consider the renewal of an ordinance approving and adopting the Redwood City Military Equipment Use Policy 703 and any new equipment requests as outlined in California Government Code section 7071(e)(1).

Conclusion

This Supplemental Annual Military Equipment Use Report is intended to not only adhere to the law and Redwood City Police Department policy, but also demonstrate our commitment to transparency with the information provided to our community and elected officials. The equipment, resources, and training outlined in this report support the Redwood City Police Department's efforts to protect our community, and enhance the safety of the public and officers. Our police department firmly believes responsible use of the equipment outlined in this report enhances our ability to deliver the highest level of professional, efficient and effective service when faced with incidents requiring a thoughtful law enforcement response. Understanding law enforcement is a partnership between the police and community, we will continue to serve and do all we can to guard against harmful actions of a few individuals, providing our community with "Excellent Service with Integrity and Respect."