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SOUTH CAROLINA HIGHWAY PATROL

ACTION MEMORANDUM

SUBJECT: SCDPS Equipment Assets Purchases/Rotations**DATE: September 9, 2016****TO: Colonel M. R. Oliver****THROUGH: LTC. C. N. Williamson****FROM: Major M. S. Wright****ACTION REQUIRED: Review and Approval****PRIORITY** ☐ Low ☒ Normal ☐ High
RESPONSE BY:**SUMMARY: Proposal to purchase/rotate equipment assets to ensure the most current equipment for DPS officers****CONCURRENCES: (ENFORCEMENT OPERATIONS)**

Req. Signoff (X)															
	LTC	MAJ-R1	MAJ-R2	T-1	T-2	T-3	T-4	T-5	T-6	T-7	T-8	T-10			
Initials	Initials														
Date	9/16/16														

CONCURRENCES: (SUPPORT OPERATIONS)

Req. Signoff (X)															
	MAJ SO	MAJ Admin	T-9	TRN	SS	PS-CRO	INT / COM	SP	EM	BUD GET	R&D	SO	IT		
Initials		Initials													
Date		9/9/16													

COMMENTS: Forward to Col. Oliver for review!☒ **Approved**☐ **Not Approved**

Signature Redacted

Colonel Signature and Date

9/19/16

COMMENTS:☐ **Approved**☐ **Not Approved**

Director Signature and Date



South Carolina Department of Public Safety
S.C. Highway Patrol

To: Michael R. Oliver
Colonel

Through: C. N. Williamson
Lieutenant Colonel

From: Marc S. Wright Initials
Major

Date: September 9, 2016

Subject: SCDPS Equipment Assets
Purchases/Rotations

Attached are documents that were provided by Captain C. T. Stephens which indicate the current equipment being used by the officers of the South Carolina Department of Public Safety. This information is being provided to ensure accountability and to provide direction for the annual purchase/rotation of old to new equipment. It is imperative that we work toward obtaining the funds and properly budget to ensure the most current equipment possible is obtained for use by DPS officers. The life cycle of the asset equipment has been denoted on the included documents; (1) Body Armor, (2) ICVS-In Car Video Systems, (3) Radars and (4) Tasers. The life cycles are correct unless unforeseen circumstances are encountered which would require a replacement.

After having discussed these issues with Captain Stephens, I concur that the life cycles are appropriate due to the constant use for four (4) to six (6) years.

Upon your review, please contact me if you should have questions or need additional information. Thank you for your assistance in this matter.

Cc: Captain C. T. Stephens
Karl Boston
File

Attachments

Courtesy - Efficiency - Service

POST OFFICE BOX 1993, 10311 WILSON BLVD., BLYTHEWOOD, SOUTH CAROLINA 29016



South Carolina Department of Public Safety
S.C. Highway Patrol

MEMORANDUM

TO: Captain C. T. Stephens
FROM: Sergeant T. J. Riddle (Initials)
DATE: September 8, 2016
RE: SCDPS Proposed Body Armor Replacement Plan

The South Carolina Department of Public Safety currently replaces its inventoried and issued body armor five years after the date of purchase. The National Institute of Justice (NIJ) sets forth certain standards by which any potential body armor must meet to be certified. Technology in the body armor industry is fluid and constantly evolving. Many armor companies offer products which meet the minimum standards set forth by the NIJ however may not be the most suitable or safest armor for our officers to utilize. The S.C. Highway Patrol Research and Development Unit is responsible for conducting in-depth testing and evaluation of any potential body armor to be used by our officers. In order for our unit to efficiently and effectively provide the best and most cost effective body armor, the period of testing and evaluation can exceed six months. This testing includes specific armor background and history, armor specification evaluation, actual armor ballistic shoot, field officer wear test and cost analysis. Due to the in depth nature of body armor testing, and the need for the evaluation of other items utilized by DPS officers, it is not feasible for our unit to conduct this level of research on a yearly basis.

SCDPS has just completed a large order of 851 pieces of new body armor in 2016. Due to this large order, it will not be financially feasible for the department to replace any of this armor prior to five years. The agency will continue to purchase small orders of body armor, as needed, for new employees. It is also important to note that a bulk order of body armor usually results in a discounted price for each unit, resulting in significant cost savings for the agency, as opposed to splitting the order up into smaller orders spread over a period of years.

Based on these reasons, it is the recommendation of the Research and Development Unit to continue to test, evaluate and order the agency's body armor on a five year rotation. In order to maintain this rotation, the agency will need approximately \$900,000.00 every five years for body armor.

Please contact me with any questions you may have.

Courtesy - Efficiency - Service

POST OFFICE BOX 1993, 10311 WILSON BLVD., BLYTHEWOOD, SOUTH CAROLINA 29016



South Carolina Department of Public Safety

S.C. Highway Patrol

To: Captain C.T. Stephens

From: Senior Trooper G.M. Colbert Initials

Date: September 8, 2016

Subject: Inventory Rotation: In-Car Video

As of 2016 the South Carolina Department of Public Safety utilizes the WatchGuard DV1 In-Car Video System for use in its enforcement fleet. The individual unit cost for these systems averages \$5800.00 which includes a five year warranty. The Department estimates the lifespan of these systems to coincide with the lifespan of an enforcement vehicle, which is approximately six years. Currently the Department purchases new In-Car Video Systems based on the number of new enforcement vehicles procured annually.

To achieve a six year inventory rotation, in accordance with Department estimates, we would need to purchase an average of 150 new units annually. Based on these estimates SCDPS would require annual funding of approximately \$870,000.00.

Courtesy - Efficiency - Service

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South Carolina Department of Public Safety

S.C. Highway Patrol

To: Captain C.T. Stephens

From: Senior Trooper G.M. Colbert Initials

Date: September 8, 2016

Subject: Inventory Rotation: Radar

As of 2016 the South Carolina Department of Public Safety utilizes two Radar Systems; the Golden Eagle II by Kustom Signals and Stalker Radar Systems. The individual unit cost for these Radar Systems averages \$1400.00. The Department estimates the lifespan of a radar to coincide with the lifespan of an enforcement vehicle, which is approximately six years. Currently the Department purchases new Radar's based on the number of new enforcement vehicles procured annually.

To achieve a six year inventory rotation, in accordance with Department estimates, we would need to purchase an average of 150 new units annually. Based on these estimates SCDPS would require annual funding of approximately \$210,000.00.

Courtesy - Efficiency - Service

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South Carolina Department of Public Safety
S.C. Highway Patrol

To: Captain C.T. Stephens

From: Senior Trooper G.M. Colbert

Initials

Date: September 8, 2016

Subject: Inventory Rotation: TASER

In 2016 the South Carolina Department of Public Safety began transitioning from the TASER X-26 to the TASER X-2, an updated product provided by TASER International. The individual unit cost for the TASER X-2 is approximately \$1,040.00 with a recommended lifespan of five years from the manufacturer. To date SCDPS receives \$100,000.00 recurring funds annually for the purchase of new TASER's. This amount allows SCDPS to purchase 85-90 new TASER X-2's yearly. As of September 2016 the Department's current inventory of TASER's fielded by officer's dates back to 2006 resulting in frequent failures beyond repair.

To achieve a five year inventory rotation according to manufacturer recommendations the Department would need to purchase 200 units annually to convert the current TASER inventory and to equip new officers. Based on these estimates SCDPS would require annual funding of approximately \$225,000.00.

Courtesy - Efficiency - Service

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Computer Lifecycle Replacement Costs (4 year Lifecycle)

SCHP	Actual Quantity		25% of Actual Qty	Unit Cost	Total
Ruggedized Laptops + Mounts	708		177	\$3,500.00	\$619,500.00
Non-Ruggedized Laptops	129		32	\$2,000.00	\$64,000.00
Desktops	183		46	\$1,200.00	\$55,200.00
Total	1020		255		\$738,700.00

STP	Actual Quantity		25% of Actual Qty	Unit Cost	Total
Ruggedized Laptops + Mounts	93		23	\$3,500.00	\$80,500.00
Non-Ruggedized Laptops	23		6	\$2,000.00	\$12,000.00
Desktops	17		4	\$1,200.00	\$4,800.00
Total	133		33		\$97,300.00

BPS	Actual Quantity		25% of Actual Qty	Unit Cost	Total
Ruggedized Laptops + Mounts	55		14	\$3,500.00	\$49,000.00
Non-Ruggedized Laptops	31		8	\$2,000.00	\$16,000.00
Desktops	14		4	\$1,200.00	\$4,800.00
Total	100		26		\$69,800.00

IEU	Actual Quantity		25% of Actual Qty	Unit Cost	Total
Ruggedized Laptops + Mounts	8		2	\$3,500.00	\$7,000.00
Non-Ruggedized Laptops	1		0	\$2,000.00	\$0.00
Desktops	3		1	\$1,200.00	\$1,200.00
Total	12		3		\$8,200.00

All Other Divisions	Actual Quantity		25% of Actual Qty	Unit Cost	Total
Ruggedized Laptops + Mounts	6		2	\$3,500.00	\$7,000.00
Non-Ruggedized Laptops	95		24	\$2,000.00	\$48,000.00
Desktops	100		25	\$1,200.00	\$30,000.00
Total	201		51		\$85,000.00

Totals	Actual Quantity		25% of Actual Qty	Unit Cost	Total
Ruggedized Laptops + Mounts	870		218	\$3,500.00	\$763,000.00
Non-Ruggedized Laptops	279		70	\$2,000.00	\$140,000.00
Desktops	317		80	\$1,200.00	\$96,000.00
Total	1466		368		\$999,000.00

Totals from Summary Page	Actual Quantity	Rounded Quantity	25% of Rounded Qty	Unit Cost	Total
Ruggedized Laptops + Mounts	870	880	220	\$3,500.00	\$770,000.00
Non-Ruggedized Laptops	279	280	70	\$2,000.00	\$140,000.00
Desktops	317	320	80	\$1,200.00	\$96,000.00
Total	1466	1480	370		\$1,006,000.00