

TO: Mayor Althoff and City Council

FROM: Jeffrey L. McCormick, Chief of Police

SUBJECT: Video Server Replacement / Body Worn Cameras

DATE: 10-29-2020

BACKGROUND

At the September 15, 2020 City Council meeting this was discussed and tabled. The Finance Committee further discussed this. However, the conversation seems to focus extensively on body worn cameras. This request is for the replacement of the video server which is used to store the squad video. It also includes the replacement of five body worn cameras, but that is not a required component. At the September 1, 2020 City Council Meeting the City approved replacing the current City Server, that replacement did not include the replacement of the police video server, because IT contractor the City uses recommended going to a dedicated police video server. The City's server could be smaller in storage capacity without the video data, which lowered the cost. The second was a separate server and system dedicated to police video storage has the ability to provide a single point for case management and control, including further protections against hacking of the data from an outside source.

Currently the Police Department utilizes different video storage systems for squad and bodycam video. The squad camera system is WatchGuard (which we have had since 2007), the body worn cameras (BWC) are Pro-Vision which we have had since 2014, these are the second brand of BWC we have had since getting BWC in 2011. Both systems have been very good tools, that have provided documentation of events and lowered Court time for our officers and provides documentation of incidents should it be needed.

The Pro-Vision camera model we are using had reached end of production in 2016 and is no longer available. We purchased some spares that were left in 2016 to push back the replacement of all the cameras for as long as possible. The Pro-Vision design is a combined hardware/battery design that does not allow for battery replacement and we have some BWCs that are no longer able to be used because the batteries have failed. Currently we must issue each officer a body camera since there is not a software management for the BWC, but is done with standard computer file management practices.

Changing to the WatchGuard V300 BWC would allow three specific advantages. First, we can reduce the number of cameras from our current 17 total (of which 12 are fully operational for shift use with reduced battery capacity) to 5 because of the Evidence Library software can manage camera and files assignment. Second, the V300 would be able to replace the squad video microphone that also must be worn by the officers. The V300 BWC is synced to the squad video system, which allows both systems to activate the other and sync the recordings. Lastly the battery can be replaced.

VIDEO SERVER

The WatchGuard squad video system started as DVD based systems and transitioned to a digital system that is network connected in 2015. That was when we purchased the Evidence

Library version 3, which is a video management software for the squad videos that operated on Windows XP. After making the switch to Windows 10 at the end of 2019, we started to experience problems with using Evidence Library. IT contractor the City worked with WatchGuard to identify the problem and find a solution that does not allow for full network use. Part of the problem is the age of the software we are using is not compatible for network use with Windows 10 and needs to be upgraded with a newer version to allow full network use. The newest version of Evidence Library runs on a Linux operating system, which removes the conflict we are currently experiencing because there is only an interface to windows desktop, that can be more easily adjusted to changes versions.

The WatchGuard server system would be a secure, freestanding system and be fully supported by WatchGuard's 24/7 support system for 5 years. Even if after 5 years we decide to not extend the support we would be current in the software at that time and be able to get many more years of use out of the system. On-site Computer advised that since all these systems are computer based, a lifespan should be considered between 6-9 years.

The replacement of the squad car video server and the newest version of Evidence Library would be approximately \$13,165 and needs to be purchased to allow the squad videos to continue to function and store video once the City Server is replaced.

Body Worn Cameras (BWC)

In 2015 the report of the President's Task Force on 21st Century Policing was released. The President charged the task force with identifying best practices and offering recommendations on how policing practices can promote effective crime reduction while building public trust. Among the recommendations of PILLAR 3 - Technology and Social Media, was implementing new technologies can give police departments an opportunity to fully engage and educate communities in a dialogue about their expectations for transparency, accountability, and privacy. The report noted "BWCs are a case in point. An increasing number of law enforcement agencies are adopting BWC programs as a means to improve evidence collection, to strengthen officer performance and accountability, and to enhance agency transparency. By documenting encounters between police and the public, BWCs can also be used to investigate and resolve complaints about officer-involved incidents." The Cannon Falls Police Department recognized the value of BWC years before they were cited in this report.

In light of the national attention on the Michael Brown shooting in Ferguson, Missouri, and Freddie Gray death in Baltimore, Maryland, and recently George Floyd in Minneapolis, discrepancies in eyewitness accounts have prompted calls for police officers to be outfitted with BWCs (Associated Press, 2016). The premise is that BWCs will help capture a record of police-involved incidents and provide increased transparency and legitimacy. Other perceived benefits of implementing BWCs include: improved behavior for both police officers and citizens; expedited resolution of complaints and lawsuits; improved evidence for arrest and prosecution; and opportunities for police training (White, 2014). In the past few years, there has been a dramatic increase in the criminal justice use of BWCs, as well as increased public and media attention of BWC use.

As we looked to replace our current ProVision BWC, we wanted to make sure that the system that would meet our needs not only today but also for several years from now. We found that in the WatchGuard system in a number of ways.

- The V300 have a replaceable battery, which ensures the hardware does not have to be replaced because of battery failure.
- Full integration with the current squad camera system.
- The ability to “checkout” BWC within the software management system so we can maintain a smaller number of camera and still meet our needs.
- Video management software to allow automation of functions not possible in the current BWC usage.
- The BWC support includes 5 years of warranty and support/updates so that as our City computers change operating systems it will not create the same issue we are experiencing now.

The BWC replacement with WatchGuard V300 body worn cameras (Which was released in 2020) would be 5 cameras, video redaction software, and 5 years of warranty/system support and updates. This camera system would be able to be used on the video server outlined above.

In fall of 2019 as part of the 2020 budget discussions we advised the City Council that replacement of the Pro-Vision BWCs would be needed. This was something we had working on and that our plan was to use forfeiture funds to purchase them so there would not be a general fund cost. Forfeiture funds have a statutory requirement to be used towards DWI and/or drug enforcement and education, and this system would be a qualifying expense for those funds.

The replacement of the BWCs with five (5) V300 cameras, and 5 years of warranty/system support and updates would be approximately \$16,620. Redaction software to obscure images is approximately \$7,511.

If the City Council do not purchase the dedicated police video server above, the City server will need to be expanded to handle the additional video storage that was not included in their calculations for a replacement. The Police Department would also need to purchase a new version of Evidence Library that could operate on the server and function correctly in Windows 10.

Based on the previous discussion by Council I have split the two parts of this request and request they be addressed below in two parts.

REQUESTED COUNCIL ACTION

Motion and approval authorizing the purchase and installation of the squad car video server and the newest version of Evidence Library from WatchGuard for a cost of not to exceed \$13,500 as outlined above using forfeiture funds and authorize the Chief of Police to sign any documents required to purchase the watchguard server and management system.

Motion and approval authorizing the purchase and installation of the WatchGuard V300 cameras, video redaction software, and 5 years of warranty/system support and updates for a cost not to exceed \$24,500 as outlined above using forfeiture funds and authorize the Chief of Police to sign any documents required to purchase the WatchGuard BWCs and redaction system, or without the video redactions software if that is the Council wish, which lowers the amount by approximately \$7,511.



4RE/VISTA Price Quote

CUSTOMER: Cannon Falls Police Department

ISSUED: 9/10/2020 9:54 AM

EXPIRATION: 1/1/2021 12:00 AM

Attn: Accounts Payable,
918 River Rd.,
Cannon Falls, MN, United States,
55009

**TOTAL PROJECT ESTIMATED AT:
\$37,295.50**

ATTENTION: Lt. Joseph Berg

SALES CONTACT: Michelle Oleari

PHONE: 507-263-2278

DIRECT:

E-MAIL: jberg@cannonfallsmn.gov

E-MAIL:
michelle.oleari@motorolasolutions.com

Server Hardware and Options

Server Hardware and Software

Part Number	Detail	Qty	Direct	Discount	Total Price
HDW-4RE-SRV-004	Server, EL5, Tower, 1-10 Concurrent Cars, 16TB, RAID 6, Windows 10, Keyboard, Monitor, Mouse	1.00	\$5,995.00	\$0.00	\$5,995.00
WAR-SRV-TWR-5YR	Warranty, Tower Server, Extended Warranty to 5 Total Years	1.00	\$650.00	\$0.00	\$650.00
					\$6,645.00

V300 Proposal

VISTA HD Cameras and Options

Part Number	Detail	Qty	Direct	Discount	Total Price
VIS-300-BWC-001	V300, Body Worn Camera, 1080P, WiFi/Bluetooth with Removable Battery	5.00	\$995.00	\$50.00	\$4,725.00
VIS-300-VTS-KIT	Transfer Station II Kit, Incl. Power & AC Cables, Label and Docs	1.00	\$1,495.00	\$75.00	\$1,420.00
VIS-300-CHG-001	V300, USB Dock, D300, Desktop Charge/Upload Kit Incl. Power and USB Cables	1.00	\$95.00	\$95.00	\$0.00
VIS-300-VEH-002	V300, WiFi Dock, D330, In-Vehicle Charge/Upload Kit, Incl. Cables and Brackets	3.00	\$295.00	\$45.00	\$750.00
VIS-300-BAT-RMV	V300, Battery, Removable and Rechargeable, 3.8V, 4180mAh	3.00	\$99.00	\$99.00	\$0.00
WAR-300-CAM-NOF	Warranty, V300 3 Year, No-Fault	5.00	\$450.00	\$45.00	\$2,025.00
WAR-300-CAM-4TH	Warranty, V300, 4th Year, (requires No Fault Warranty)	5.00	\$180.00	\$0.00	\$900.00
WAR-300-CAM-5TH	Warranty, V300, 5th Year, (requires No Fault Warranty)	5.00	\$235.00	\$0.00	\$1,175.00

Evidence Library 4 Web Software and Licensing

Part Number	Detail	Qty	Direct	Discount	Total Price
KEY-EL50SRV-001	Evidence Library, Web Server Site License Key	1.00	\$1,000.00	\$0.00	\$1,000.00
SFW-4RE-DEV-FEE	Evidence Library, 4RE Annual Device License & Support Fee	15.00	\$195.00	\$0.00	\$2,925.00

415 E. Exchange Parkway • Allen, TX • 75002
Toll Free (800) 605-6734 • Main (972) 423-9777 • Fax (972) 423-9778
www.WatchGuardVideo.com



4RE/VISTA Price Quote

SFW-BWC-DEV-FEE	Evidence Library, VISTA/V300 Annual Device License & Support Fee	25.00	\$195.00	\$0.00	\$4,875.00
Shipping and Handling					
Part Number	Detail	Qty	Direct	Discount	Total Price
Freight	Shipping/Handling and Processing Charges	1.00	\$95.00	\$0.00	\$95.00
					\$19,890.00

4RE and VISTA Proposal VISTA HD Cameras and Options

Part Number	Detail	Qty	Direct	Discount	Total Price
HDW-ETH-SWT-005	VISTA HD, 4RE, Smart PoE Switch	3.00	\$250.00	\$0.00	\$750.00

Additional Software and Licensing

Part Number	Detail	Qty	Direct	Discount	Total Price
KEY-WGV-RED-001	Software, REDACTIVE(sm) , Single User License, Rev 3.0	1.00	\$4,995.00	\$0.00	\$4,995.00
WAR-WGR-MNT-3YR	REDACTIVE(sm), Software Support & Maintenance, 3-Year Bundle	1.00	\$2,795.00	\$279.50	\$2,515.50

WatchGuard Video Technical Services

Part Number	Detail	Qty	Direct	Discount	Total Price
SVC-4RE-ONS-400	4RE System Setup, Configuration, Testing and Training (WG-TS)	1.00	\$2,500.00	\$0.00	\$2,500.00
					\$10,760.50

Total Estimated Tax, may vary from State to State \$0.00

Configuration Discounts	\$1,356.50
Additional Quote Discount	\$0.00
Total Amount	\$37,295.50

NOTE: This is only an estimate for 4RE & VISTA related hardware, software and WG Technical Services. Actual costs related to a turn-key operation requires more detailed discussion and analysis, which will define actual back-office costs and any costs associated with configuration, support and installation. Please contact your sales representative for more details.

To accept this quotation, sign, date and return with Purchase Order: _____ DATE: _____