DAB Consulting, Inc.
3977 NW 63rd St
Gainesville, FL 32606
+1 8006955370
sales@dabconsulting.com
www.dabconsulting.com

Estimate

EST09092024O1

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ADDRESS	SHIP TO	DATE	TOTAL	EXPIRATION DATE
Marion County Judicial Building 110 NW 1st Ave Ocala, FL 34475 USA	Marion County Judicial Building 110 NW 1st Ave Ocala, FL 34475 USA	09/09/2024	$86,548.00	11/08/2024

JOB
23Q-173-TO-01

ACTIVITY	QTY	UNIT PRICE	LINE TOTAL
Equipment Lump Sum Per Enclosed Bill of Materials	1	79,828.00	79,828.00
Labor Lump Sum for Project	1	6,720.00	6,720.00
		SUBTOTAL	86,548.00
		TAX	0.00
		TOTAL	$86,548.00

THANK YOU.

9/9/24

David Blumberg, President
DAB Consulting, Inc.

Date

DAB Consulting acknowledges addendum's #1 and #2

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Make all checks payable to DAB Consulting

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Project Understanding and Approach

DAB Consulting, Inc. has done a thorough analysis of the current video management architecture at the Marion County Judicial Building and is providing a systems engineering and implementation plan. Our solution will provide the end user the following:

- A single video management solution, Axis Camera Station Pro, that utilizes Axis advanced video analytics.
- Enhanced video coverage and analytics for all entrance points to the building
- Separation of access privilege levels depending on user type
- Ability to setup camera views depending on staff member location and organization

We will work with organization team leads on the configuration, installation, and implementation of our proposal if we are selected.

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Marion County Judicial Building System Design and Engineering

Overview

The Marion County Judicial Building houses various departments as well as hosting civil and criminal court cases. The current video surveillance solution is not meeting the end user needs and they want to have a single solution that will allow users the ability to monitor critical areas of the complex utilizing the latest in video analytics. The end user required solution is the Axis Camera Station Pro VMS for the live and recorded video using Axis S1296 servers.

End User Requirements

The current video solution, Cisco Video Surveillance, is outdated technology and the end user wants to replace this with the Axis Camera Station Pro Software running on Axis Video Servers. For future proofing the configured system will allow up to 338 cameras if additional cameras are added to the location. The Axis Camera Station Pro provides advanced analytical capabilities for Axis cameras and integration of third-party cameras using a robust video management solution allowing the end user to both view live video as well as quickly find recorded video if the need arises.

Server Design

We are recommending replacing the default Windows operating system on the Axis servers with Windows 2019 or 2022 depending on end user request. Windows Server provides a more stable operating environment for video surveillance applications over Windows 10 or 11. For the network connectivity we are recommending going with a dual 10GB fiber connecting which provides better latency as well as preventing any possible surges blowing out the standard network card which utilizes copper cables.

Hardware Installation

If awarded the contract, we will work with the local site management to set up a time to bring in the hardware in stages. The first stage will involve delivering the network rack, UPS, and PDU's to the building and installing the hardware into the 1st Floor video room. Once the hardware is installed, we will ground the network rack to the grounding cable located on the wall and then energize the UPS and verify the PDU's are in a working state and providing proper voltage. If required by MCIT we will connect and test the APC UPS network card to the MCIT network and verify they have connectivity. The second stage will be the installation of the Axis Video Servers to the network rack and connecting the servers to the MCIT network with CAT6 cabling for the iDracs and OM4 fiber patch cables to the MCIT network switches. All network cables will be properly labeled on both sides of connections points and all cables will follow proper cable management.

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Video Management Design, Integration and Training

For the initial setup of the system, we will configure our solution to run in tandem with the currently used video management solution to prevent any downtime due to the critical nature of the live and recorded video locations. This will include working with MCIT staff to make sure all the required ports for the Axis Camera Station Pro software is in an allowed state on MCIT firewalls for proper data traffic and if MCIT wants to utilize AD for user login then Kerberos setup of the servers on the MCIT network.

As part of the system design, we will set up several groups with the video management solution to effectively manage access rights for the system. This will allow administrators for the end user to add users to the system and to prevent unauthorized access based on the requirement of view-only access. Each of these groups will have specific camera views created depending on both staff member organization and access level. We will work with site level management to create requested views, and if requested, site maps for viewing by security staff. MCIT staff will need to provide camera credentials for all cameras that will be put on the new system.

Once the setup of the video management server is complete and we have all requested cameras on the new servers we will do a stress test on the new servers to determine maximum streaming and storage capabilities of the solution. Once all testing has been completed, we will provide training on utilizing Axis Camera Station Pro software at the client level as well as training on how to administer the software at the server level as well as installation of the software client on requested machines.

The training will consist of two primary components:

Client Usage

- Logging into the client and how to troubleshoot any sign in issues.
- How to access live video using individual cameras, created views, and site maps if requested.
- Within the live video views how to utilize advanced viewing mechanisms including controlling mechanical PTZ cameras as well as zooming in using digital PTZ if the camera has the capability.
- How to take snapshots
- For users that have recorded view access
    - How to look at recorded video as well as utilizing the instant replay function
    - How to effectively utilize Axis Smart Search for all cameras
    - How to effectively utilize Axis Smart Search 2 for Axis Cameras
        - Requires Axis video content stream for older cameras that are running firmware older than 9.60
    - How to export video content and create incident reports

Server Maintenance and Troubleshooting

- How to utilize Dell iDrac for physical server troubleshooting
    - If requested setup notifications from within iDrac for hardware issues such as drive failures or other server events.

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- Use Axis System Health Monitoring to set up a notification system to monitor the health of servers, the cameras connected to the servers, and inventory of devices and systems.
- Creation of system database backups and storing them on remote locations.

Documentation

We will provide the end user the following documentation:

- Configuration settings for each of the servers
  - Physical Layer
    - Network settings
  - Software Layer
    - Local Administrator server logins
      - Based on requested users/groups by MCIT unless they are going to utilize AD for logging in to the server
    - Axis Camera Station Pro
      - Database user and login information for backend database
      - Admin user and login information
- User guides of Axis Camera Station Pro software.
- A final report summarizing the installation process and validation results.

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Marion County Judicial Building Surveillance System Timeline

Overview

Based on current stock availability the completed project timeline is 6.5-8 weeks. This could change based on the award date. Detailed timeline breakdown is below:

Delivery Date of hardware

- Network rack, UPS, and PDU's — 2 Weeks ARO
- Axis S1296 Servers — 2 Weeks ARO

Installation and Configuration Period — 1.5 Weeks

Test and Validation Period — 1 Week

Knowledge Transfer and Training — 2 Weeks

Will also need to obtain CJIS clearance which can be done during the estimated time for delivery date of hardare.

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Scope Component	Part Description	Part #	Qty Needed	Unit Cost	Extended Cost		Labor Time for all Qty
Network Rack							
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	APC AR3300 NetShelter SX 42RU	AR3300	1	$ 2,170.00	$ 2,170.00		4
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	APC Smart-UPS On-Line 8kVA/8kW Rackmount 8U 208V UPS	SRT8KRMXLT-5KTF	1	$ 8,180.00	$ 8,180.00		2
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	APC AP7802B PDU	AP7802B	2	$ 850.00	$ 1,700.00		2
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Freight	FREIGHT	1	$ 660.00	$ 660.00		0
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Notes - Rack will be bonded to local ground wire located behind rack location						
	Total for Network Rack				**$ 12,710.00**		**8.00**
Axis Servers and Accessories							
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Axis S1296 192TB Server	02543-001	3	$ 20,700.00	$ 62,100.00		6
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Axis Pro Core Device License	02994-001	50	$ 70.00	$ 3,500.00		0
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Dell Broadcom 57412 10GB SFP PCI-E	540-BBVL	3	$ 360.00	$ 1,080.00		0
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Allied Telesys 10GB SFP for Dell Servers	ALT-10GBSFP	6	$ 40.00	$ 240.00		0
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	OM4 MM LC LC Fiber Patch Cable 3M	LCLC-3M-OM4-P	6	$ 25.00	$ 150.00		0
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	CAT6 Patch Cable 3M	CAT6-3M-P	6	$ 8.00	$ 48.00		0
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Notes - Labor for this section is pre-install of operating system and hardware and does not include rack install or training which is separate line item						
	Total for Axis Servers and Accessories				**$ 67,118.00**		**6.00**
Labor for Installation / Configuration / Testing / Training							
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Installation Labor for Network Rack and Servers	LABOR	14	$ 140.00	$ 1,960.00	na	
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Configuration Labor	LABOR	12	$ 140.00	$ 1,680.00	na	
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Testing Labor	LABOR	8	$ 140.00	$ 1,120.00	na	
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Knowledge Transfer and Training Labor	LABOR	14	$ 140.00	$ 1,960.00	na	
->>>>>>>>>>>>>>>>>>>>>>>>>>>>	Notes - Will work with end user staff on setting up schedules for knowledge transfer and training and obtaining CJIS clearance						
	Total for Labor				**$ 6,720.00**		**0.00**
					Equipment	**Labor**	
	Total for Site				**$ 79,828.00**	**$**	**6,720.00**

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