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City of San Marcos Request for Offers - 222-132 From Various Purchasing Cooperative Vendors for POLICE DEPARTMENT DOWNTOWN CAMERAS

CLIENT INFORMATION

Name: City of San Marcos

Site

2300 N Interstate Hwy 35
San Marcos, TX 78666

Billing

2300 Interstate 35
San Marcos, TX 78666

Contact

Kate Stapp, Purchasing Specialist Sr.
P (512) 393-8165
E kstapp@sanmarcostx.gov

PROJECT NAME: CoSanMarcos-PD-downtown cameras

PROJECT SCOPE OF WORK

DIR-CPO-4494

Knight Security Systems (KSS) will provide and install new Video Surveillance additions to the City of San Marcos' downtown area. System installation includes hardware, system licenses, and configuration unless otherwise stated.

The base scope of work for this project does not include connectivity back to the City's network. KSS has given the customer two options for connectivity back to their network, LTE or Line of Sight. KSS suggests using the LTE option for a simpler installation and will receive less interference by the environment and surrounding wireless devices.

Video Surveillance System

KSS will furnish and install the following:

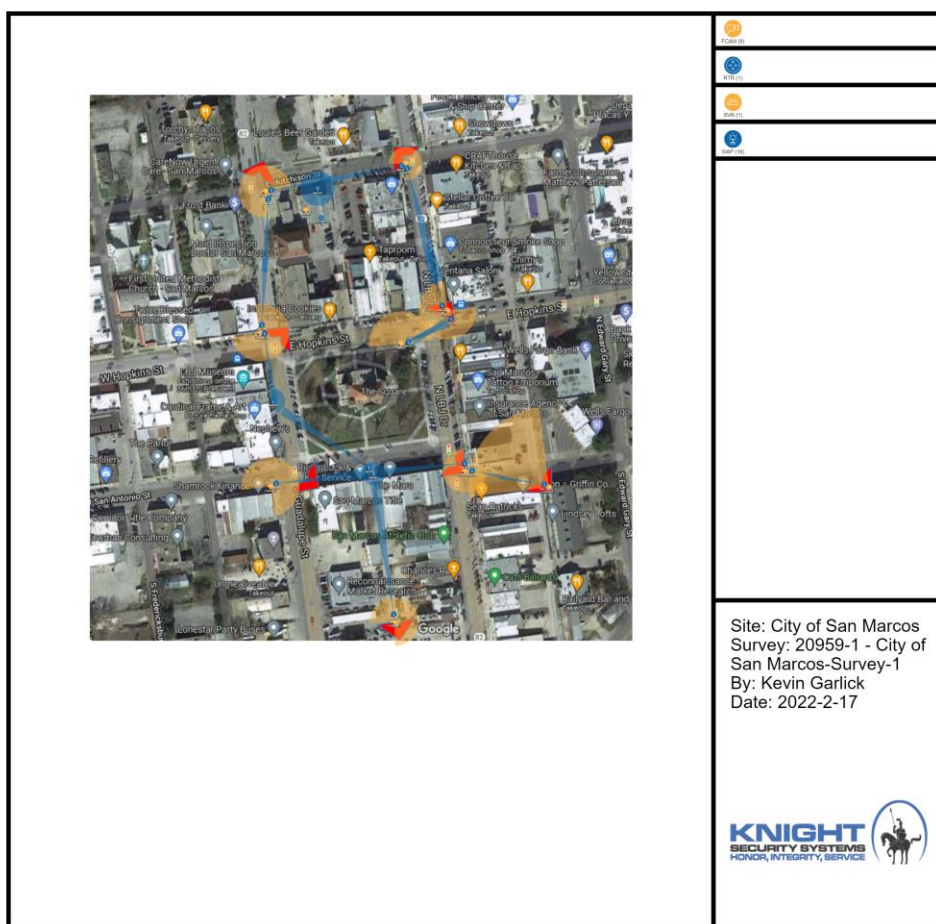
- One BCDVideo 700R recording server
 - One Xeon E-2236 processor
 - With 16GB RAM
 - Two 240GB M.2 SSD BOSS cards
 - Three 12TB SATA recording drives
 - RAID 5 configuration
 - 36TB of raw storage
 - 22.3TB of usable storage
 - One 1.6TB BVA Accelerator card
 - Two 1GbE RJ45 NICs
 - Two 350W power supplies
 - iDRAC enterprise license
 - Windows Server 2019 Embedded Standard 16 Core
 - This server comes with BCDVideo's 5 year, next business day, keep your hard drives warranty
- Nine 18x16x08 NEMA enclosures with dual solid state fans
 - Power for the enclosures shall be provided by the customer. Each enclosure will require constant 120VAC to function properly.
- Nine Axis 4 port hardened and managed switches
- Eight Hanwha PNM-9085RQZ 360° multi-imager exterior cameras with mounts at the following locations:
 - Corner of E.Hutchison St. and N. LBJ Dr.
 - Corner of E.Hutchison St. and S.Guadalupe St.
 - Corner of E.Hopkins St. and S.Guadalupe St.
 - Corner of E.San Antonio St. and S.Guadalupe St.
 - Corner of N.LBJ Dr. and E.Hopkins St.
 - Corner of N.LBJ Dr. and San Antonio St.

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- Corner of S. Edward Gary St. and San Antonio St.
- In the alley behind San Marcos Athletic Club
- One Hanwha PNM-9031RV 180° multi-imager camera with mounting hardware
 - N LBJ and E Hopkins
- Each camera shall have surge protection
- Initial programming will include:
 - Enrolling the cameras and setting up basic motion detection
 - One administrative account
 - One view only account
 - Estimated days of storage 30
 - 15MP at H.265 and 10FPS
 - 20MP at H.265 and 10 FPS
 - Calculations are based on 40% motion detection or event recording
 - This configuration will require 100Mbit/s

The NVR storage capacity is an approximate estimate based on general conditions that KSS does not guarantee. Each device will include the necessary mounting hardware, license and one year manufacturer software license support.



MicroSDXC Card Option

KSS will furnish and install the following:

- Each camera shall have a 128GB MicroSDXC card per imager in case there is a break in communication. Once communication is restored, the on board storage will sync with the server over LTE

Wireless LTE Option

KSS will furnish and install the following:

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- Nine Cradlepoint IBR650C Wireless Routers with 3-Year NetCloud Service
 - For the edge devices/enclosures
 - LTE SIM cards and VPN configuration back to the recording server is the responsibility of the customer
- One Cradlepoint E300 LTE router for the head end
 - This wireless LTE system will act as the backbone for any wireless LTE devices the customer may want to add in the future. Any new connections can be added to the VPN and record back to this server

Wireless Point-to-Point Option

KSS will furnish and install the following:

- Three Cambium Networks Hub 360 Omni-directional antennas
- Twenty Cambium Networks Client Micro point-to-point devices
- Two 18x16x08 NEMA enclosures with dual solid state fans
 - Power for the enclosures shall be provided by the customer. Each enclosure will require constant 120VAC to function properly.
- Two Axis 4 port hardened and managed switches
- KSS has spec'd this solution based on a walk performed on 2/7 but due to environmental changes may need additional adjustments once trees grow and bloom or other environmental changes happen.
- Due to unknown outside signal strengths or frequencies, this option may have issues with radio interference and RF flooding.

Customer Provided Items

- Individual software administrator logins for personnel at each location for each system
- Existing client workstations that meet the system minimal requirements
- Rack space and uninterruptable power supply in the MDF room for rack mount units
- Network configurations for connection of devices to Customer's network
- 120VAC by a certified electrician for all security devices where needed
- LTE SIM cards and configuration of VPN back to the recording server
- Network configuration between the City's Management server and new Recording server

Finance

Purchaser hereby agrees to pay KSS the following terms:

The Customer is required to pay every invoice in full within 30 days of receiving the invoice.

Project Milestones and Invoicing Procedures

- An initial investment of 50% of the total project for mobilization is due and payable within 15 days of authorizing Knight's Customer Service Agreement (CSA)
- The remaining balance is due and payable in progress payments based upon material delivered or work completed

Refer to the Standard Terms and Conditions sections 8H, 8I, and 8J.

Any changes from the base price will be adjusted with approved change orders from the Customer. The as-built plans will be submitted along with the final submittal package to the Customer.

Engineering

KSS shall provide system design and operational documentation to ensure proper installation and efficient servicing of the system. KSS will provide submittal plans that will show where each device is located at each site. The submittal plans will also include a system matrix, which includes the schedule of each device and the programming setup into the security system software.

Cabling & Wiring

KSS will be responsible to install all the wiring and connections providing communication and/or control between KSS supplied devices and central control equipment. All wires will be dressed in a neat and professional manner.

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KSS will not provide any conduit or trenching required to reach each device. It is the Customer's responsibility to provide a pathway for all wiring required for each device. KSS is not responsible for any existing wiring being used. A quote will be provided to the Customer for any wiring that is found to be unusable

Field Devices

KSS will provide all necessary devices and hardware included on the equipment list attached. The devices on the security plans will be installed and programmed into the system according to the system matrix.

KSS is not responsible for any existing devices being reused. If any existing devices are found to be unusable then a quote will be provided to the Customer to replace the device. KSS is not responsible for any damages done from the existing devices being removed. The Customer is responsible to patch and repair any damages done from existing devices removed.

Programming

KSS trained personnel will program the security system to provide a functioning operational system. KSS will support Customer programming personnel and set up remote field panels consistent with manufacturer standards. KSS will program each device according to the system matrix provided in the security plans. If any additional programming or special programming outside the system matrix is needed an approved change order from the Customer is required.

Customer to furnish IP addressing scheme for all devices requiring an IP address on the network. KSS will provide a list of devices that need IP addresses to the Customer.

Rental Equipment - Lift rental is not included in this proposal and shall be provided by the Customer if required.

Testing

KSS will perform acceptance testing in the presence of the appointed Customer representative to ensure proper operation and communication of all integrated systems. A test sheet with a check list for each device will be provided by KSS and signed by the Customer representative upon successful completion of a system acceptance test. The final system test report will be sent to all parties.

A punch list detailing items requiring a follow up that is within this scope of work will be created. KSS will correct the punch list items in a mutually agreed upon time. If the Customer wants something changed after the test sheet has been signed additional charges will be applied.

Upon system acceptance, a KSS job completion form shall be signed and sent to all parties. It is the Customer's responsibility to ensure proper periodic testing per the manufacturer's recommendation if a signed SecurePlan agreement is not in place.

Training - Basic end user training **is** included with this proposal. The scheduled training will be 4 hours in total for this project and shall be conducted at the end of system acceptance and testing.

Formal Training is not included with this proposal. If needed, additional training can be added as a change order to this project.

Standard Proposal Notes:

1. This proposal will follow the guidelines stated in DIR contract number DIR-CPO-4494 Standard Terms and Conditions.
2. This proposal is valid until April 8th 2022. After that day the quote is no longer valid and a new quote needs to be regenerated and prices may vary.
3. A standard 1 year warranty applies on all newly installed equipment.
- 4. Please allow 6-8 weeks lead time for hardware.**
5. Final Location of all equipment to be approved by owner prior to start of installation.
6. Work provided by KSS is assumed to be continuous, unhindered and without the need for escorts. Additional costs will be incurred if work is slowed by denial or delay of access to the work areas without three days' notice, or if

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escorts are required at any time. Any cessation of work by the customer or delays in the project construction schedule will result in additional mobilization and project management charges.

7. The quantities of materials noted above scope of work are intended to be descriptive. Should there be any discrepancy between the scope of work and the equipment list, the equipment list will supersede the scope of work stated above.
8. All work will be done following federal, state, and local laws and requirements for the above scope of work.

Knight Security Systems Excludes the Following:

1. All 120 VAC connections are to be performed by customer or customer's designated licensed Electrical contractor.
2. Fire alarm interface, cabling, connection, input/output, testing and certification.
3. Any city or other governmental permits, not associated with this scope of work, required for the use and operation of the system.
4. Access to device location, penetrations, required access panels for concealed areas.
5. If not stated above wire mold, conduit, trenching, wireless devices or aerial cabling necessary to connect any remote locations or gates, computer workstations to operate the system, and network equipment to provided power and data communication for devices.
6. Overtime required due to schedule revisions, work stoppages, delays caused by others, or circumstances beyond Knight Security Systems control.
7. Final terminations and connections to equipment other than provided by Knight Security Systems.
8. Any trade installation that Knight Security Systems is not licensed to perform.
9. Painting, patching or landscaping required as a result of the installation of equipment associated with this scope of work.
10. Technical assistance or the setup of the customer's network for connection to the security control systems. The customer is required to provide static IP addresses and support personnel for assistance in setting up the network connections.

Roles & Responsibilities

Essential activities conducted in the course of project by the Customer and Knight Security Systems (KSS).

Project Administration Tasks	Customer	KSS
General project management & administration		X
Designate primary customer point of contact and site supervisor		X
Host initial site orientation and kick-off meeting	X	
Pre-installation walk-through and design verification	X	
Pre-construction utility assessment	X	
System design and engineering		X
System design and engineering approval	X	
Develop master project schedule		X
Approval of master project schedule	X	
System design acceptance within overall master plan of larger facility	X	
Provide lists of existing equipment and building drawing backgrounds	X	
Develop and maintain drawings and equipment schedules		X
Provide written communication regarding work site conditions	X	
Coordinate monthly in-progress reviews for active sites		X
Change order management		X

Project Installation Tasks	Customer	KSS
Provide locations for materials staging	X	
Materials pre-installation configuration and delivery		X
Pre-installation testing of existing equipment		X
Installation of device power supplies		X
120VAC at each device location where needed	X	
Building penetrations to exterior	X	

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Fire partition penetrations and sealing	X	
Installation of conduit to security system devices where needed	X	
Installation of cables to security system devices		X
Network cables from security system devices to copper patch panels		X
Patch cables between patch panels and network switches		X
Create panel, cable, and equipment labeling scheme	X	
Install cable labels per labeling scheme		X

Network Tasks	Customer	KSS
Rack and rack space for rack mount equipment	X	
Network PoE switches and configuration	X	
Patch panels and uninterruptable power supply	X	
IP address assignment for security system equipment and workstations	X	
Configure client workstations to the security system		X

Programming Tasks	Customer	KSS
Create custom security system programming matrix		X
Program initial security system configuration		X
Import initial cardholder database from Owner provided information	N/A	
Develop and implement database update procedure	X	

Testing and Acceptance Tasks	Customer	KSS
System test forms and checklists		X
Full system test		X
Customer on-site system acceptance	X	
As-built drawings and final engineering document submittal		X

PROJECT INVESTMENT

Video Surveillance

QTY	Description	Unit Price	Ext. Price
9	XProtect Professional + Device License (DL)-20	\$122.60	\$1,103.40
1	DIR- Project Install Kit	\$1,360.13	\$1,360.13
8	5MP x 4ch multi-directional camera, Motorized PTRZ	\$2,029.11	\$16,232.88
8	Can be used with PNM-9084RQZ/9085RQZ. Mount screw	\$40.05	\$320.40
9	Pole Mount Adapter (White)	\$42.18	\$379.62
8	Wall Mount Accessory, 2x knock out built-in, compa	\$114.80	\$918.40
9	18x16x8 Inch 120 VAC Weatherproof Enclosur	\$779.48	\$7,015.32
9	Enclosure Pole Mounting Kit	\$78.59	\$707.31
9	AXIS T8504-R Industrial PoE Switch is a 4-port man	\$542.27	\$4,880.43
9	Power supply for AXIS T8504-R Industrial PoE Switc	\$193.17	\$1,738.53
1	23-4P UNS SOL C6 Blk DB	\$328.12	\$328.12
9	10" DIN RAIL BRACKET	\$4.16	\$37.44
9	REX AND LATCH MOTOR KIT FOR PAMEX	\$80.00	\$720.00
9	Enclosure Pole Mounting Kit - Pole Diameters 7 to	\$158.38	\$1,425.42
1	(1) Xeon E-2236 - 16GB (2x8GB) (2) 240GB M.2 SSD BOSS Card (3) 12TB SATA HDD (1) 1.6TB BVA Accelerator Card (2) 1GbE RJ45 (2) 350W PSU Windows 10 Embedded 5YR NBD KYHD Warranty	\$6,473.47	\$6,473.47
1	Dell Windows Server 2019 Embedded Standard 16 Core - BCD CLA	\$1,393.49	\$1,393.49
1	IDRAC ENTERPRISE FOR 14G SERVERS	\$276.38	\$276.38
9	1 Year Care Plus for XProtect Professional+ DL-20	\$22.49	\$202.41
1	Rack/Tower/Wall, UPS With SNMP Card	\$1,250.00	\$1,250.00
1	15MP Panoramic Camera	\$1,441.73	\$1,441.73
1	Cap adapter for the PNM-9084QZ, PNM-8082VT, PNM-90	\$40.05	\$40.05
1	Wall Mount Accessory (white), Compatible with whit	\$42.18	\$42.18

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Annual Recurring:

Description	Ext. Price
Secure Plan Premium Service Level Agreement	\$7,050.24

Equipment Subtotal	\$48,287.11
Labor Subtotal	\$13,868.10
Video Surveillance SubTotal	\$62,155.21
Annual Recurring Subtotal	\$7,050.24

Investment Summary

Total Equipment	\$48,287.11
Total Labor	\$13,868.10
Total Proposal Amount	\$62,155.21
Annual Recurring	\$7,050.24

Note: Sales tax, if applicable, is not included on this proposal and will be added to the total upon invoicing.

MicroSDXC Card	\$3,520.94
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LTE	\$8,337.35
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Investment Total

Knight Security Systems will provide the proposed system as described in this proposal for the sum of: **\$81,063.74**

The price above includes: material, equipment and labor as described within this proposal.

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Proposal Acceptance:

I have read the **General Terms and Conditions** of the sale, understand them fully, and agree to abide by them. I have also read and understand the payment terms as set forth in the **Customers Responsibilities** section of the agreement as well as the **Schedule of Equipment** as listed.

I hereby certify that I am authorized by my company to sign this agreement. Knight Security Systems is hereby authorized to perform the work as specified.

KNIGHT SECURITY SYSTEMS

City of San Marcos

By: _____	By: _____
Signature	Signature
_____	_____
Sales Rep	
_____	_____
Title	Title
_____	_____
Kevin Garlick	
_____	_____
Print Name	Print Name

Private and Confidential: The proposal has been distributed to you on a confidential basis for your information only. By accepting it, you agree not to disseminate it to any other person or entity in any manner and not to use the information for any purpose other than considering opportunities for a cooperative business relationship with Knight Security Systems, Inc.



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TERMS & CONDITIONS

SEE PURCHASING CONTRACT

DIR-CPO-4494

FOR TERMS AND CONDITIONS.

Web Access:

<https://dir.texas.gov/contracts/dir-cpo-4494>