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Date: January 23, 2023
From: Brian Scandle, NRG Controls North, Inc.
To: Mike Wolff <mwolff@wellsborosd.org>
Re: Wellsboro Area SD Admin Security Upgrade

NRG CONTROLS NORTH, INC. to furnish access control system upgrades as described below.

UNDER THIS PROPOSAL, WORK INCLUDED:

- Provide, configure, equipment listed below for security, Cameras & access control system upgrade from existing access control and intrusion alarm system to allow for system migration to a single platform, Security Expert is capable of access control, door alarms, intrusion alarm, along with video tied to door events. This will also increase the overall security by eliminating magnetic locking hardware on 4 doors.
- One (1) Schneider Electric Security Expert Software License. Includes Photo ID Badging (Printer not Included), 50 Reader Licenses, 3 Thick Client, Web Clients, Unlimited Sites/Controllers/Users.
- One (1) Schneider Electric Security Expert DB-SYNC Software License for conversion.
- One (1) Schneider Electric Security Expert 50 Camera License to Display Milestone cameras in the security expert clients.
- One (1) Schneider Electric Security Expert SP-C Controllers Including Power Supplies and required din rail cabinets to replace existing Controllers.
- Three (3) Schneider Electric Security Expert 8 inputs and 4 Form C relay outputs expander. Encrypted RS485 communication with SP-C, 12VDC
- Four (4) Schneider Electric Security Expert wired 2 door expanders with Wiegand or RS485 enabled reader ports. Encrypted RS485 communication with SP-C, 12VDC
- One (1) LifeSafety Power Supply for motions sensors & door hardware

- **Admin Building Security & Access Control**
 - Replace Controllers and Reader Modules
 - Convert Five (5) Existing Doors
 - One (1) Reuse door hardware electrified strike Office Interior Door
 - Four (4) Replace door hardware electrified exit device (single active leaf only) Doors A,D,L & Interior Weight Room

Re: Wellsboro Area SD Admin Security Upgrade

- Add Two (2) Access Control Doors
 - C (Onto Field) Door
 - H Man Door into Garage
 - Add Two (2) Card Reader Doors with siren that will alert of unauthorized access between building sections (no locking hardware)
 - Front & Rear Hallways between lower athletics level and top administration section.
 - Add Thirty (30) Door Status Switches to the following Doors.
 - A - 4 doors
 - B - 2 doors
 - C - 2 doors
 - D-IT - 2 doors
 - D - 4 doors
 - E – 2 doors
 - F - 4 doors
 - G - 2 doors
 - H – 1 door
 - I – 2 doors
 - J – 1 door
 - K – 1 door
 - L – 2 doors
 - M – 1 door
 - Add Three (3) Alarm Keypads
 - D Rear Door near IT
 - H Man Door into Garage
 - L Front Hallway Near Weightroom
 - Add Ten (10) Tri Tech Motion Sensors
 - Exact Locations TBD
 - Add Seven (7) Sirens
 - 3 Exterior Exact Locations TBD
 - 4 Interior Exact Locations TBD
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- Customer will provide the operator workstation for Security Expert Badge Printing
 - One (1) HID FARGO DTC4250e ID Card Printer & Encoder, Base Model, USB, Ethernet with Internal Print Server
 - Two (2) HID FARGO 45100 EZ YMCKO Cartridges, Full Color with Resin Black and Clear Overlay Pane, for DTC4250e, 250 Images
 - One (1) HID FARGO 86177 DTC Cleaning Kit
 - Three Hundred (300) HID Key FOB or PVC Printable Card Allowance
 - Minimum of 100 each for either choice

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- NRG will replace existing DSX controllers with SP-C
- NRG will migrate the existing Card Holder Database and Access Right Programming to Security Expert.

- **Admin Building Cameras**
 - Three (3) Axis Communications M4308-PLE 12MP Outdoor 360° Panoramic Network Mini Dome Camera with Night Vision, DLPU with Support for edge analytics with deep learning
 - Six (6) Axis Communications P3265-LV 2MP 1080HD Mini Dome Camera with varifocal 3-9 mm lens, Lightfinder 2.0, Forensic WDR, OptimizedIR, with Support for edge analytics with deep learning
 - Four (4) Axis Communications P3268-LV 4K Mini Dome Camera with varifocal lens, Lightfinder 2.0, Forensic WDR, OptimizedIR, with Support for edge analytics
 - Replace Four (4) Exterior 2mp with Axis Communications P1448-LE 4K Outdoor Bullet Camera with Night Vision
 - Replace One (1) Interior 2mp @ Main Entrance with Axis Communications P3268-LV 4K Mini Dome Camera with Night Vision
 - Reuse Four (4) Existing 2mp Interior Cameras

- One (1) Milestone XProtect Professional Plus Base License
- Twenty-Two (22) Milestone XProtect Professional+ Device License
- Twenty-Two (22) Milestone XProtect Professional+ Five Year Care Plus which provides Unlimited Upgrades to any new version of product during Care Plus period. Full access to XProtect device packs during Care Plus period.
- All provided servers will have Microsoft Server 2019 preinstalled.
- Three (3) CyberPower Smart App 2 RU Sine Wave Double-Conversion UPS
- Two (2) Client Viewing PC equipped with Nvidia Quadro T Series Video Card.

- One (1) Seneca Management 2 Series (Management and Mobile Server) (Dell Oem)
 - Intel® Xeon® Silver 4216
 - 32GB, 2x16GB, DDR4 memory
 - Windows Server 2019
 - 2x 240GB M.2 via BOSS PCIe Card
 - 5 Year xNVRi Phone Support 24x7
 - 5 Year Next Business Day Onsite

Re: Wellsboro Area SD Admin Security Upgrade

- One (1) Seneca ASSURANCE SERIES (Recording Servers) (Dell Oem)
 - Intel® Xeon® Silver 4216
 - 16GB, 2x8GB, DDR4 memory
 - Windows Server 2019
 - 2x 240GB M.2 via BOSS PCIe Card
 - 80TB Unformatted Raid Video Storage
 - 5 Year xNVRi Phone Support 24x7
 - 5 Year Next Business Day Onsite

- **Customer to Provide & Install any required PoE+ Network Switch**
- **NRG will Provide, Install, Terminate & Test Unshielded Cat 6 Ethernet Cable from Interior Cameras to closest IT network switch**
- **NRG will mount and make final connections to the cameras**
- NRG will commission & align cameras and set up video recording
- Calculations used to arrive at the storage requirements are based on motion recording with existing cameras, frame rates, resolutions, etc. So actual video retention time could fluctuate based on several variables. Design target is 30 Days.
- Milestone XProtect Clients (Smart Client for Windows, Web Client, and Milestone Mobile) are included. No licenses/fees are required to install on multiple devices.
- NRG will assist with deployment and configuration of client software; customer IT support will be required to allow admin access to local pc's for install. Web Client is supported on Windows and Mac OS X
- NRG will coordinate conversion with the facility manager.
- NRG will provide manufacturer warranty on equipment and will provide 1-year labor warranty for system and components installed by NRG.
- Axis will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of Five (5) years after the date of shipment for most network video products see AXIS.com for details.
- NRG will provide customer training.

TOTAL PRICE OF:

Two Hundred Fifty-Two Thousand Six Hundred Ninety-Three and -----
----- 00/100 Dollars (\$252,693.00)

THIS PROPOSAL IS VALID FOR 30 DAYS, PRICE SUBJECT TO CHANGE AFTER THAT TIME.

Clarifications/Qualifications/Exclusions:

- All existing hardware, system components, equipment enclosures, wiring and associated access control equipment that can, will remain and be reused as is. This proposal includes the upgrade scope listed above only. NRG does not include any power wiring – existing to be reused as is.
- Door Hardware (door power supplies, card readers, electric strikes, latch retraction, mag locks, request to exit, etc.) and wiring – existing to remain and be reused as is.
- Door alarms not included in this proposal.
- Intrusion Burg alarm not included in this proposal, additional components required to add this functionality i.e. motion sensors, keypads, arming readers, additional door status wiring to all doors, etc.
- Customer will provide network ports on switches for door controllers.
- Customer will provide IP addresses for controllers.
- Customer will provide any patch panel ports for any Ethernet ports
- Customer will provide IP addresses for IP Devices
- Customer will provide Power-over-Ethernet network switch ports for IP Devices.
- Customer will configure network with appropriate VLANs for IP video traffic.
- Customer will provide Internet and VPN for remote access and configure router.
- Customer will provide any servers/operator workstation/browser computers.
- Troubleshooting/repair of equipment, cable or connection issues for any wiring/equipment that was not provided by NRG Controls North.
- NRG does not include mounting, wiring, training, programming, commissioning, drawings, and start up, etc. for any controls or equipment not provided by NRG Controls North, Inc. unless specifically stated above.
- Permits, fees, etc.
- Bonding.
- Sales tax.
- Any work during overtime hours. This proposal includes work during the normal hours of 8 AM - 5 PM, Monday through Friday.
- A new server and operator workstation will need to be provided and installed by others for the new Security Expert software to be loaded. New server must be in place before work of this proposal commences.
- Proposal does not include any printers, computers, IP drops or servers.
- We continue to see rising cost and surcharges from many of our vendors, therefore all material must be ordered within 14 days of contract signing, if material cannot be ordered for reasons outside of NRG Controls North control, any additional cost may be passed on to the customer
- NRG Controls North will continually monitor the situation and when/if surcharges are removed, we will immediately follow suite
- COVID related issues that are beyond our control

NRG Controls
North, Inc.

NRG CONTROLS NORTH INC
 PO BOX 235
 SELINGROVE PA 17870

Cust #:
 Bill To: NRG CONTROLS INC
 PO BOX 235
 SELINGROVE PA 17870
 570-374-1933
 FAX: 570-374-6742

P.O.#:
 Contact:
 Phone:

Date: 23-Jan-23

Ship To: Wellsboro Area SD - Admin Security Upgrade

Vendor:

Requested Ship Date:

Ship Via:

Part Number	Description	List Price	Mult.	Unit Price	Qty	Total
SX-SRVR	Security Expert Software License. Includes Photo ID Badging, 50 Reader Licenses, 1 Camera License, Generic SOAP Web Service, 1 Thick Client, Web Clients, Unlimited Sites/Controllers/Users, Calendar Actions and Email on Events	17851.53	0.5000	\$8,925.77	1	\$8,925.77
SX-DOR-50	50 Additional Reader Licenses. Increases the licensed doors on the Security Expert Serv	4236.57	0.7500	\$3,177.43	0	\$0.00
SX-DOR-10	10 Additional Reader Licenses. Increases the licensed doors on the Security Expert Serv	1559.16	0.7000	\$1,091.41	0	\$0.00
SX-WEB-OPR	1 Additional concurrent web operator license.	3118.32	0.7000	\$2,182.82	0	\$0.00
SX-CLNT	1 Additional concurrent client operator license.	6417.69	0.7500	\$4,813.27	2	\$9,626.54
SX-DB-SYNC	Enables Database Synchronization with (1) other external database systems.SX-DB-SYNC	4244.03	0.7500	\$3,183.02	1	\$3,183.02
SX-AD-USR	Enables active directory LDAP integration to import user/cardholder information into Secur	14763.03	0.7500	\$11,072.27	0	\$0.00
SX-AD-OPR	Provides single sign on credentials for operator login to Security Expert workstations. Onli	7808.58	0.7500	\$5,856.44	0	\$0.00
SX-VIM	Enables Security Expert native visitor management and reporting feature.SX-VIM includes	9971.60	0.7500	\$7,478.70	0	\$0.00
SX-TNA	Enables Security Expert Server to activate Time and Attendance Report configuration and	7616.88	0.7500	\$5,712.66	0	\$0.00
SX-MUST	Enables complete system wide Muster Reports, features auto-mailer, live status view, unlr	4500.89	0.7500	\$3,375.52	0	\$0.00
SX-CAM-10	10 Camera License. Licenses only required for cameras 1-500. After 500 no additional licenses are needed.	951.05	0.7500	\$713.29	0	\$0.00
SX-CAM-50	50 Camera License. Licenses only required for cameras 1-500. After 500 no additional licenses are needed.	3195.00	0.7500	\$2,396.25	1	\$2,396.25
SP-C	Security Purpose Controller, physical onboard IO for 2 wired doors, supports 128 doors with expansion modules, designed to function with Security Expert software. The SP-C is also used when migrating INET customers to Security Expert. When used as a migration controller, expansion with native SX modules pending release.	3656.15	0.7500	\$2,742.11	1	\$2,742.11
SP-PSU-4A	Full DIN size 12VDC 4A, intelligent power supply module, intelligent battery charging, encr Power cord, 2m, USA, CAN	2163.02	0.7500	\$1,622.27	1	\$1,622.27
SX-PWR-A	Full DIN size 8 inputs and 4 FormC relay outputs expander. Encrypted RS485 communic	54.32	0.7500	\$40.74	1	\$40.74
SP-I01	Single zone, miniature input expander, intended to make conventional detectors addressa	1715.72	0.7500	\$1,286.79	3	\$3,860.37
SP-MNR2	Mini half DIN size communications expander, provides 1 TCP/IP and 3 RS485 ports. Encr	367.43	0.7500	\$275.57	0	\$0.00
SP-MRD2	Mini half DIN size 2 wired door expander (4 Readers) with Wiegand or RS485 enabled ree	2790.30	0.7500	\$2,092.73	0	\$0.00
SP-M08	Mini half DIN size 8 Form C relay outputs. Encrypted RS485 communication with SP-C, 1	1699.74	0.7500	\$1,274.81	4	\$5,099.22
SP-M16	Mini half DIN size 16 inputs expander. Encrypted RS485 communication with SP-C, 1	1427.10	0.7500	\$1,070.33	0	\$0.00
SX-KLCS-W	Touch Sense LCD Keypad (White). 12VDC	1722.11	0.7500	\$1,291.58	0	\$0.00
SX-KLCS-B	Touch Sense LCD Keypad (Black). 12VDC	779.58	0.7500	\$584.69	0	\$0.00
40KTKS-00-000000	HID Signo 40 Keypad Reader. Wiegand, 13.56MHz & 125kHz iClass SE, Terminal	812.60	0.7500	\$609.45	3	\$1,828.35
EN-DIN-12	DIN Rail Enclosure 1 x 2 wall-mount metal cabinet, 14.6 x 10.5 x 3.9"	320.00	1.5000	\$480.00	4	\$1,920.00
EN-DIN-24	DIN Rail Enclosure 2 x 4 wall-mount metal cabinet, 28 X 17 x 3.94"	1127.00	0.7500	\$845.25	0	\$0.00
E6M-Boxed	Enclosure (23W x 32H x 6.5D) with Mercury/lenel backplate	1932.00	0.7500	\$1,449.00	1	\$1,449.00
FPO250-Boxed	250W power supply board, 20A/12V or 10A/24V	760.00	1.0000	\$760.00	1	\$760.00
B100-Boxed	Secondary voltage power supply, 5-18V adjustable @ 4A max, class 2 power limited outpu	366.00	1.0000	\$366.00	2	\$732.00
C8P-Boxed	8 relay lock control outputs class 2 power limited at 2.5A per output	61.00	1.0000	\$61.00	1	\$61.00
D8P-Boxed	8 auxiliary DC outputs class 2 power limited at 2.5A per output	89.00	1.0000	\$89.00	1	\$89.00
BATTERY-12V72AH	BATTERY-12V72AH	40.00	1.0000	\$40.00	2	\$80.00
415110-40OSDP	22-2P OAS STR CMP Org Jkt OSDP	35.00	1.0000	\$35.00	3	\$105.00
4151150-OSDP	22-2P OAS STR CMP Pur Jkt FB	560.00	1.5000	\$840.00	0	\$0.00
2ELEM-30-OSDP	4C OSDP (22-1P OAS)+18-02 Yel Jkt	560.00	1.5000	\$840.00	8	\$6,720.00
18-02 WIRE	18-02 WIRE	650.00	1.5000	\$975.00	2	\$1,950.00
DS-DS9370	70'D 360-DEG CEILING TRI-T	175.00	1.5000	\$262.50	3	\$787.50
DS-ISCPDL1W8	60'X80' TRI-T	105.00	1.5000	\$157.50	10	\$1,575.00
DS-B328	BRACKET GIMBAL MNT	70.00	1.5000	\$105.00	0	\$0.00
180-12-B	18012 3/4" STL DR CONTACT GRV	12.00	1.5000	\$18.00	10	\$180.00
MC180W	DOOR CHANNEL MAGNET-WHITE ONLY	6.00	1.5000	\$9.00	30	\$270.00
		4.00	1.5000	\$6.00	30	\$180.00

4400-A Industrial Surf Mnt Contact, Closed, Standard Gap - 2-1/2", 36" Armored Cable, Aluminur \$360.00
 GH66441 GRI 6644-1 Input or Magnetic Contact Resistor Pack with 1 Percent Tolerance, 2-1K, 1/8 \$198.00
 SZPZ1 Single Gang Siren Alarm Station, Siren 85 db, 12/24VDC, Stainless Steel \$114.00
 D116 Bosch D116 Dual Tone Siren, 12V 15 Watt \$60.00
 0E-OUTDSIREN W Box 0E-OUTDSIREN Indoor/Outdoor Self Contained 120dB Siren \$202.50
 FC-VERT-ELEC Vertical Rod Exit Device - Motorized Panic Bar \$24,300.00
 CM-5085GPTE Camden CM-5085GPTE Pneumatic Time Delay Request to Exit Switch, 2 3/8 in. Button, , \$0.00
 HE-96630 HES 9600-630 9600 Series Surface Mounted Electric Strike, Windstorm Resistant, Satin \$255.00
 40TKS-00-000000 HID Signo 40 Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Terminal \$420.00
 52000 HID FARGO DTC4250e ID Card Printer & Encoder, Base Model, USB, Ethernet with Intel \$330.00
 45100 HID FARGO 45100 EZ YMCKO Cartridges, Full Color with Resin Black and Clear Overlay \$3,000.00
 86177 HID FARGO 86177 DTC Cleaning Kit \$97.50
 FOB / Card Key FOB or PVC Printable Card Allowance Minimum of 100 for either choice \$75.00
 \$5.63 300 \$1,687.50

SERVER, STORAGE & NETWORK
 PATCH PANEL - 24 PORT \$109.00
 LV-61SJKRE6 Leviton 61SJK-RE6 Atlas-X1 Cat 6 Shielded QuickPort Jack \$163.50
 LV-61110RE6 Leviton 61110-RE6 eXtreme Cat 6 QuickPort Jack, Black \$33.44
 LV-410891WP Leviton 41089-1WP Surface-Mount QuickPort Box, Plenum Rated, One Port, White \$22.29
 CAT6S-BLK Windy City Wire 23-4P OAS SOL CMR C6 Blk Jkt \$34.43
 CAT6PC-003 CAT 6 Patch Cable, Yellow, 3R (0.9m) \$5.15
 CAT6PC-010 CAT 6 S/FTP Patch Cable Various Length \$457.50
 CAT6 S/FTP CAT 6 S/FTP Patch Cable Various Length \$5.25
 MNGT-ZOS-PP-S Seneca Management 236 server, Dual OS, Redundant Pwr, Ser19 \$6.75
 A1216-80T-M1.0-S1 Seneca Assurance 12 Bay, 4216, Dual OS, 4xGbE, 5yr NBDOS, 80TB SATA, 16GB E-RD \$18.00
 VAR-PC_OEM-Viewing NRG Camera Display PC with Nvidia Quadro T Series Video Card \$9,350.00
 AC-SER3W-NOSQL Seneca Data SI-02-V4 Poweredge R340 \$21,050.00
 OL1500RTXL2U CyberPower Smart App 2 RU Sine Wave Double-Conversion UPS (1,500VA / 1,350W) \$2,200.00
 \$7,695.00 1 \$7,695.00
 \$5,175.00 3 \$5,175.00

MILESTONE XPROTECT PROFESSIONAL+ SOFTWARE
 XProtect Professional+ Base License (1 REQUIRED FOR SYSTEM) \$524.00
 XProtect Professional+ Device License (1 REQUIRED FOR EACH CAMERA) \$177.00
CARE PLUS - SOFTWARE UPDATES (OPTIONAL BUT RECOMMENDED)
CARE PLUS - IF SELECTED, QTY IS NUMBER OF TOTAL CAMERAS
 One year Care Plus for XProtect Professional+ Device License \$33.00
 Two years Care Plus for XProtect Professional+ Device License \$54.00
 Three years Care Plus for XProtect Professional+ Device License \$69.00
 Five years Care Plus for XProtect Professional+ Device License \$107.00

INTERIOR CAMERAS
 AXIS P3265-LV AXIS P3265-LV \$639.00
 AXIS P3267-LV AXIS P3267-LV \$799.00
 AXIS P3268-LV AXIS P3268-LV \$949.00
 AXIS TP3201 RECESSED MOUNT AXIS TP3201 RECESSED MOUNT \$89.00
 AXIS M4308-PLV AXIS M4308-PLV \$999.00
 AXIS TM3204 RECESSED MOUNT AXIS TM3204 RECESSED MOUNT \$59.00

EXTERIOR CAMERAS
 AXIS P1448-LE AXIS P1448-LE \$1,049.00
 AXIS TU8001 Ethernet Surge Protector AXIS TU8001 Ethernet Surge Protector \$69.00
 SHIPPING \$299.99
 MATERIAL RIDER (5%) \$8,136.00
EQUIPMENT
 \$170,863.00

SECURITY SUB INSTALL
 Install Exit Devices & Door Prep, install electrical to doors & status \$42,000.00
 \$42,000.00 1 \$42,000.00

Part Number	Description	List Price	Mult.	Unit Price	Qty	Total
DISCOUNT	PREFERRED CUSTOMER DISCOUNT	32250.00	1.0000	\$32,250.00	1	\$32,250.00
	TOTAL				TOTAL	\$252,693.00