



PO Box 235  
Selinsgrove, PA 17870-0235  
Tel: (570) 374-1933  
Fax: (570) 374-6742  
www.nrgnorth.com

Brian M. Scandle, President  
Direct Tel: (570) 672-1933  
Direct Fax: (570) 672-8657  
bscandle@nrgnorth.com

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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 Security Expert Upgrade (Revised less Admin)

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

**UNDER THIS PROPOSAL, WORK INCLUDED:**

- Provide, configure, equipment listed below for 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 9 doors throughout the district.
- **Software and Server Required to provide functional system *Not included in this Proposal See Admin Security Upgrade Proposal***
- Six (6) Schneider Electric Security Expert SP-C Controllers Including Power Supplies and required din rail cabinets to replace existing Controllers.
- Seven (7) Schneider Electric Security Expert 8 inputs and 4 Form C relay outputs expander. Encrypted RS485 communication with SP-C, 12VDC
- Nine (9) Schneider Electric Security Expert wired 2 door expanders with Wiegand or RS485 enabled reader ports. Encrypted RS485 communication with SP-C, 12VDC
  
- Provide the following items to complete the System Conversion with device counts Listed below.
  - Admin Building
    - **Not included in this Proposal See Admin Security Upgrade Proposal**

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- High School
  - Replace Controllers and Reader Modules
  - Convert Four (4) Existing Doors Add One (1) New Access Door
    - One (1) Reuse door hardware electrified exit device
    - One (1) Replace door hardware strike with electrified strike
    - Two (2) Replace door hardware electrified exit device (single active leaf only)
    - Add One (1) New Access Door (Café single side door)
      - Replace door strike with electrified strike
      - Add HID Prox Reader
      - Add Door Status Contact
- Middle School
  - Replace Controllers and Reader Modules
  - Convert Two (2) Existing Doors
    - Two (2) Replace door hardware electrified exit device (single active leaf only)
- Don Gill Elementary School
  - Replace Controllers and Reader Modules
  - Convert Six (6) Existing Doors
    - Two (2) Reuse door hardware electrified exit device
    - Four (4) Replace door hardware electrified exit device (single active leaf only)
- Charlotte Lappla Elementary School
  - Replace Controllers and Reader Modules
  - Convert Five (5) Existing Doors
    - Reuse all door hardware electrified strike
- Repair Existing Door Status Switches, Input or Magnetic Contact Resistor Pack, as required for locations listed above. Reuse all existing Wiring if status switch isn't wired, we can provide estimate before doing additional work above the scope of this proposal.
- Customer will provide the operator workstation for Security Expert Badge Printing
- NRG will replace existing DSX controllers with SP-C
- NRG will migrate the existing Card Holder Database and Access Right Programming to Security Expert.
- NRG will coordinate conversion with facility manager.
- NRG will provide 1 year of warranty.
- NRG will provide customer training.

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**TOTAL PRICE OF:**

**One Hundred Forty-Three Thousand Seven Hundred Seventy-Three and -----  
----- 00/100 Dollars (\$143,773.00)**

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**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.

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- 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

Cust#: \_\_\_\_\_  
 Bill To: NRG CONTROLS INC  
 PO BOX 235  
 SELINGS GROVE PA 17670  
 570-374-1933  
 FAX: 570-374-6742

P.O.#: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Date: 23-Jan-23

Vendor: \_\_\_\_\_

Ship To: Wellsboro Area SD -  
 Security Expert Upgrade (Revised less Admin)

Requested Ship Date: \_\_\_\_\_  
 Ship Via: \_\_\_\_\_

Part Number	Description	List Price	Unit Price	Qty	Total
SX-SRVR	Security Expert Software License. Includes Photo ID Badging, 50 Reader Licenses, 1 Camera License, Generic SOA/P Web Service, 1 Thick Client, Web Clients, Unlimited Sites/Control/Access, Calendar Actions and Email on Events	17851.53	0.5000	0	\$0.00
SX-DOOR-50	50 Additional Reader Licenses. Increases the licensed doors on the Security Expert Serve	4236.57	0.7500	0	\$0.00
SX-DOOR-10	10 Additional Reader Licenses. Increases the licensed doors on the Security Expert Serve	1559.16	0.7500	0	\$0.00
SX-WEB-OPR	1 Additional concurrent web operator license.	3118.32	0.7500	0	\$0.00
SX-CLINT	1 Additional concurrent client operator license.	6417.69	0.7500	0	\$0.00
SX-DB-SYNC	Enables Database Synchronization with (1) other external database systems. SX-DB-SYNC	4244.03	0.7500	0	\$0.00
SX-AD-USR	Provides single sign on credentials for operator login to Security Expert workstations. Only	14765.03	0.7500	0	\$0.00
SX-AD-OPR	Enables Security Expert native visitor management and reporting feature. SX-VIM Includes :	7899.58	0.7500	0	\$0.00
SX-VIM	Enables Security Expert Server to update Time and Attendance Report configuration and f	14771.60	0.7500	0	\$0.00
SX-TMG	Enables complete system wide intercoms, cameras	3436.86	0.7500	0	\$0.00
SX-CAMB-10	10 Camera Licenses. Licenses only required for cameras 1-500. After 500 no additional	4594.86	0.7500	0	\$0.00
SX-CAMB-50	50 Camera Licenses. Licenses only required for cameras 1-500. After 500 no additional	851.05	0.7500	0	\$0.00
SP-C	Security Purpose Controller, physical onboard IO for 2 wired doors, supports 128 doors	3195.00	0.7500	0	\$0.00
	with camera modules, designed for installation with Security Expert. When used as	3658.15	0.7500	6	\$16,452.68
	The SP-C is designed for use with the NET camera Security Expert. When used as				
	a migration controller, expansion with native SX modules pending release.				
SP-SL4A	Full DIN size 12/DC 4A intelligent power supply module, intelligent battery charging, encry	2163.02	0.7500	0	\$0.00
SP-PMW-A	Power card 2m, USA, CAN	54.32	0.7500	0	\$0.00
SP-D84	Full DIN size 8 inputs and 4 Form C relay outputs expander, Encrypted RS485 communication	1715.72	0.7500	7	\$9,007.53
SP-J01	Single zone, miniature input expander, intended to make conventional detectors addressabl	357.43	0.7500	0	\$0.00
SP-MNR2	Mini half DIN size communications expander, provides 1 TCP/IP and 3 RS485 ports. Ency	2790.30	0.7500	0	\$0.00
SP-MRQ2	Mini half DIN size 2-wire door expander (4 Readers) with Wiegand or RS485 enabled reat	1699.74	0.7500	9	\$11,473.25
SP-M08	Mini half DIN size 8 Form C relay outputs. Encrypted RS485 communication with SP-C, 12V	1427.10	0.7500	0	\$0.00
SP-M16	Mini half DIN size 16 inputs expander. Encrypted RS485 communication with SP-C, 12V	1722.11	0.7500	0	\$0.00
SX-KLCS-W	Touch Sense LCD keypad (White). 12VDC	779.58	0.7500	0	\$0.00
SX-KLCS-B	Touch Sense LCD keypad (Black). 12VDC	812.60	0.7500	0	\$0.00
E2M-Boxed	Enclosure Size: 18, (16W)x(20H)x(4.5D) with MercuryLens backplate	317.00	1.0000	2	\$1,268.00
E4M-Boxed	Enclosure Size: 24, (20W)x(24H)x(6.5D) with MercuryLens backplate	517.00	1.0000	2	\$1,034.00
E6M-Boxed	Enclosure Size: 36, (24W)x(30H)x(8.5D) with MercuryLens backplate	768.00	1.0000	0	\$0.00
FRQ-S200-Boxed	250VA Transformer 250VA 12V 0.20A 12V 0.20A 24V	396.00	1.0000	12	\$4,332.00
8106-Boxed	Secondary voltage power supply, 5-18V adjustable @ 4A max, class 2 power limited output	81.00	1.0000	6	\$366.00
8109-Boxed	8 relay lock control outputs class 2 power limited at 2.5A per output	40.00	1.0000	6	\$534.00
8110-Boxed	8 auxiliary DC outputs class 2 power limited at 2.5A per output	40.00	1.0000	6	\$240.00
BATTERY-12V72AH	HD Signo 40 Keypad Reader, Wiegand, 13.55MHz & 125kHz, Class SE, Terminal	35.00	1.5000	12	\$525.00
40KTKS-00-000000	DIN Rail Enclosure 1 x 2 wall-mount metal cabinet, 14.6 x 10.5 x 3.9"	320.00	1.5000	0	\$0.00
EN-DIN-12	DIN Rail Enclosure 2 x 4 wall-mount metal cabinet, 28 X 17 x 3.94"	1127.00	0.7500	0	\$0.00
EN-DIN-24	22-2P OAS STR CMP 0rg JK OSDP	1932.00	0.7500	0	\$0.00
4151150-OSDP	4C OSDP IZ-1P OASH 1602 Tai Jkt	950.00	1.5000	0	\$0.00
2ELEMS3D-OSDP	16-02 WIRE	550.00	1.5000	0	\$0.00
16-02 WIRE	22-2P OAS STR CMP 0rg JK OSDP	650.00	1.5000	0	\$0.00
OS-SC201-W8	60X90 TRLT	102.00	1.5000	0	\$0.00
OS-SC201-W8	10X100 TRLT	166.00	1.5000	0	\$0.00
180-1238	BRACKET GIMBAL MNT	120.00	1.5000	0	\$0.00
MC180W	18012 3W* STL DR CONTACT GRV	6.00	1.5000	18	\$162.00
4009-A	DOOR CHANNEL MAGNET-WHITE ONLY	4.00	1.5000	18	\$108.00
GI-66441	Industrial Surf Mt Contact, Closed, Standard Gap - 2-1/2", 36" Armored Cable, Aluminum	66.00	1.0000	1	\$66.00
SZ-FZ1	GRI 6644-1 Input or Magnetic Contact Resistor Pack with 1 Percent Tolerance, 2-1K, 1/8 V	4.00	1.5000	18	\$108.00
D116	Single Gang Shien Alarm Station, Shien 85 db, 1224VDC, Stairless Steel	38.00	1.5000	0	\$0.00
0E-OUTDSIREN	Bosch D116 Dual Tone Siren, 12V 15 Watt	10.00	1.5000	0	\$0.00
FC-VERT-ELEC	W Box 0E-OUTDSIREN Indoor/Outdoor Self Contained 120dB Siren	45.00	1.5000	8	\$405.00
CM-5985GPTC	Cameleon CM-5985GPTC Pneumatic Time Delay Request to Exit Switch, 2.36 in. Bulbon, Al	170.00	1.5000	0	\$0.00
HE-99630	HES 9900-9500 Sense Surround Mounted Electric Shive, Xytridorm Resistant, Stain S	220.00	1.5000	0	\$0.00
SUP-302-16	1/2" Signo 40 Reader, Wiegand, 13.55MHz & 125kHz, Class SE, Terminal	340.00	1.5000	0	\$0.00
MATERIAL RIDER	MATERIAL RIDER (5%)	300.55	1.0000	1	\$300.55
	EQUIPMENT	3937.00	1.0000	1	\$3,937.00
	LABOR				
	LABOR RIDER (5%)	25000.00	1.0500	1	\$26,250.00
	DISCOUNT				
	LABOR RIDER (5%)				
	PREFERRED CUSTOMER DISCOUNT	26200.00	1.0000	1	\$26,200.00
	TOTAL				\$143,773.00