

Proposal

New Hampton CSD - MS/HS - Intercom Upgrade

Quote # 011713

Version 1

Prepared for:

New Hampton Community School District

Prepared by:

Cecil Anderson

Project Overview

This proposal is for a New Rauland Critical Communications System at New Hampton Middle/High School in New Hampton, IA.

- **This system provides simplified paging for two zones via customer VoIP phones or Rauland Administrative console. The two paging zones are: High School and Middle School. This system will utilize existing speakers and cabling in High School**
- **This system provides two-way communications to 72 existing call points in High School (expandable to 96), and 42 new call points in the Middle School (expandable to 48).**
- **New speakers, call switches and intercom cabling installed at Middle School.**
- **Administrative console in the Middle School Office and High School Office.**
- **The Administrative Console and Web User Interface (UI) will also be able to initiate one of 3 emergency states; Lockdown, Shelter In Place, and Tornado. When the system is in an emergency state bells are suspended until an "All Clear" is selected on the console or Web UI.**
- **A unique Check-In feature will be enabled for Lockdown and Shelter-In-Place emergencies. This feature allows the classroom call button to function as a Check-In signalling that the classroom and students are secure. Rooms that do not Check-In will be displayed on the Administrative Console and Web UI, which can be used to assist law enforcement.**
- **Bell scheduling is handled through a drag and drop interface in the Web UI. The bell time can be synchronized to an internal or external NTP server. Bells will playback through the classroom and corridor speakers only.**

Option 1 - Small Message Board

- **These provide a means to show visual messages, scrolling or flashing, on bright LED message board. Text can be tied to scheduled events or can be entered in directly via the Rauland Web UI. Message boards require a single LAN connection with PoE+.**

Statement of Work - Rauland

CEC Responsibilities

- Provide and install equipment as itemized in the attached equipment list.
- Provide one electronic copy of system layout (block diagram) in PDF format.
- Provide one electronic copy of O&M manuals.
- Provide one training session on bell schedule programming at time of completion, not to exceed 2 hours.
- Provide one technical training at time of completion, not to exceed 2 hours.
- Provide one refresher training on bell schedule programming within 90 days of project completion, not to exceed 1 hour.

Customer Responsibilities

- Provide all LAN/WAN connections and network functionality as required for system operation and programming.
 - Provide PoE connections for (2) Administrative Consoles, located in MS & HS main offices.
 - Provide PoE connections for (2) Zone Page Modules, located in equipment rack where the current intercom headend is located.
 - Provide standard switch connection for the TCU Campus Controller, located in HS MDF.
 - Provide (3) PoE connections in new Vocational Classrooms.
- Provide adequate rack space for TCU Campus Controller (1RU).
- VoIP paging integration will require coordination and support from customers phone system vendor. Any configuration changes or additional hardware/software required for the phone system is not included in this quote.
- Provide ready access to all work areas for CEC personnel.
- Provide AC power and appropriately conditioned physical space as required by the system.

Conditions & Clarifications

- Pricing does not include uninterruptible power supplies (UPS).
- This quotation assumes the use of existing speakers, and speaker/intercom cabling. Replacement of non-functioning devices or damaged cabling is not included in this quote.
- This quotation assumes a standard installation schedule. Any expedited deliveries or installation schedules are not included, unless specifically identified, and will incur additional charges.
- CEC will provide a 1 year system warranty during normal business hours. Warranty shall begin at the date of beneficial use, or the project close out, whichever comes first.

MS Hardware		Price	Qty	Ext. Price
MS - OFFICE ADMINISTRATIVE CONSOLE				
TCC2045	TCU Administrative Console	\$1,053.00	1	\$1,053.00
MS - HEADEND				
TCC2022	TCU Zone Page Module	\$413.40	1	\$413.40
TCC2099	TCU Rack Mount Shelf for Zone Page Module	\$51.80	1	\$51.80
TRA-4150	Power Amplifier 4 x 150W	\$1,050.00	1	\$1,050.00
ST-DA3	Line Level Distribution Amplifier - 1x3	\$161.15	1	\$161.15
EWR-12-22	12SP/22D ECONO WALLRK BK	\$421.85	1	\$421.85
MS - 24-PORT GATEWAYWITH 66-BLOCKS				
TCC2024	TCU 24-Call Point Gateway	\$4,960.80	2	\$9,921.60
157C	Connectorized 66-Block with Standoff (Single Amphenol Connector)	\$81.95	4	\$327.80
SA1-0100	66-Block Bridge Clips - 100pcs	\$10.82	2	\$21.64
25-3-PP-15-GY	25 Pair Cable with Male to Male Amphenol Connectors - 15ft	\$28.09	4	\$112.36
MS - VOCATIONAL CLASSROOM DEVICES (IP) - CLASSROOM MODULE, SPEAKER, AND CALL SWITCH				
TCC3022	TCU Zone Page Amplifier Module	\$630.00	1	\$630.00
TCC2099	Universal Mounting Kit	\$51.80	1	\$51.80
TCC2011	TCU IP Classroom Module	\$309.40	2	\$618.80
TCC2201PB	Single Button Call Switch - RJ45	\$28.60	2	\$57.20
BAFKIT2X2L8RJ	2x2 Tile Replacement Ceiling Speaker	\$78.26	1	\$78.26
ACCWB8RJ	Surface Mount Speaker - Powder Coated White	\$46.54	1	\$46.54
MS - CLASSROOM DEVICES - STANDARD SPEAKER, AND CALL SWITCH				
SYSTEM 12/VC	2x2 Tile Replacement Loudspeaker	\$76.64	38	\$2,912.32
TCSPB1	Single Button Call Switch - Pigtail	\$23.40	33	\$772.20
SYSTEM 3	Slanted Surface Mount Speaker - Powder Coated White	\$38.92	10	\$389.20
MS - INTERIOR PAGING SPEAKERS				
SYSTEM 12/VC	2x2 Tile Replacement Loudspeaker	\$76.64	29	\$2,222.56
SYSTEM 6VP	Surface Mount Paging Horn - Powder Coated White	\$126.28	2	\$252.56
CP6-W	6.5-Inch Pendant Loudspeaker - White	\$227.50	9	\$2,047.50
BULK CABLE, TERMINATIONS AND INSTALLATION HARDWARE				
25359BVT1000	4C 20G (2S/2UN) PLEN II	\$0.25	8000	\$2,000.00
25225BWH1000	1P 16G STRD UNSHLD PLENII	\$0.20	4000	\$800.00
OR-MC601-06	1ft CAT6 Patch Cable - Blue	\$8.72	2	\$17.44

MS Hardware		Price	Qty	Ext. Price
OR-MC610-06	10ft CAT6 Patch Cable - Blue	\$14.10	2	\$28.20
OR-MC5E30-00	30ft CAT5e Patch Cable - Black	\$24.60	2	\$49.20
62T0242	Wago, 2002-1303, Red Terminal Block 22-12 AWG	\$3.12	12	\$37.44
62T0243	Wago, 2002-1305, Black Terminal Block 22-12 AWG	\$3.12	12	\$37.44
76R1620	Wago, 2002-473, 3-Way Staggered Jumper (Qty:25)	\$51.68	1	\$51.68
28K7395	Wago, 2002-1391, End/Intermediate Plate	\$1.51	2	\$3.02
28K2138	Wago, 249-116, Screwless End Stop	\$1.82	2	\$3.64
28K2046	Wago, 210-112, DIN Mounting Rail	\$20.40	1	\$20.40
52R7799	Wago, 210-720, Cable Insertion Tool for TopJobS Terminal Block	\$7.84	1	\$7.84
MISC	Terminations and Installation Hardware	\$963.30	1	\$963.30
			Subtotal:	\$27,633.14

HS Hardware		Price	Qty	Ext. Price
<i>HIGH SCHOOL PROJECT</i>				
<i>SOFTWARE</i>				
TCU2000LITES W	TCU Telecenter Lite Software	\$300.00	1	\$300.00
<i>NETWORK SEVER IF CEC PROVIDED</i>				
DL360	Server	\$5,760.00	1	\$5,760.00
Server 2016	Software - Windows Server 2016	\$896.50	1	\$896.50
SQL Server 2014	Software - SQL Server 2014	\$1,870.00	1	\$1,870.00
<i>OFFICE ADMINISTRATIVE CONSOLE</i>				
TCC2045	TCU Administrative Console	\$1,053.00	1	\$1,053.00
<i>HEADEND</i>				
TCC2000	TCU Building Controller	\$3,563.00	1	\$3,563.00
TCC2022	TCU Zone Page Module	\$795.00	1	\$795.00
TCC2099	TCU Rack Mount for Zone Page Module	\$51.80	1	\$51.80
TRA-2150	Power Amplifier 2 x 150W	\$784.00	1	\$784.00
TCC2024	TCU 24-Call Point Gateway	\$4,960.80	4	\$19,843.20
157C	Connectorized 66-Block with Standoff (Single Amphenol Connector)	\$81.95	8	\$655.60
SA1-0100	66-Block Bridge Clips - 100pcs	\$10.82	4	\$43.28
25-3-PP-15-GY	25 Pair Cable with Male to Male Amphenol Connectors - 15ft	\$28.09	8	\$224.72
MFR-1627GE	Mobile Furniture Rack - Grained Ebony Ash Finish - 34"H x 22.6"W x 27.4"D	\$692.90	1	\$692.90
62T0242	Wago, 2002-1303, Red Terminal Block 22-12 AWG	\$3.12	25	\$78.00
62T0243	Wago, 2002-1305, Black Terminal Block 22-12 AWG	\$3.12	25	\$78.00
76R1620	Wago, 2002-473, 3-Way Staggered Jumper (Qty:25)	\$51.68	2	\$103.36
28K7395	Wago, 2002-1391, End/Intermediate Plate	\$1.51	2	\$3.02
28K2138	Wago, 249-116, Screwless End Stop	\$1.82	2	\$3.64
28K2046	Wago, 210-112, DIN Mounting Rail	\$20.40	2	\$40.80
52R7799	Wago, 210-720, Cable Insertion Tool for TopJobS Terminal Block	\$7.84	1	\$7.84
misc	Terminations and Installation Hardware	\$920.00	1	\$920.00
As-Built Docs	Project As-Builld Documentation	\$125.00	1	\$125.00
Subtotal:				\$37,892.66

* Optional

Option 1 - Small Message Board		Price	Qty	Ext. Price
<i>SMALL MESSAGE BOARDS</i>				
TCC3011S	Small Message Board	\$490.00	1	\$490.00
ACC3011SBB	Surface Mount Back Box	\$46.20	1	\$46.20
Install Labor - \$82.00				
Tech Labor - \$58.50				
* Optional Subtotal:				\$536.20

New Hampton CSD - MS/HS - Intercom Upgrade

Prepared by:

Communications Engineering Company

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Prepared for:

New Hampton Community School District

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Quote Information:

Quote #: 011713

Version: 1
 Delivery Date: 05/17/2019
 Expiration Date: 06/25/2019

Quote Summary	Amount
MS Hardware	\$27,633.14
HS Hardware	\$37,892.66
MS Installation Services	\$33,316.53
HS Installation Services	\$18,930.77
Proposal Subtotal:	\$117,773.10
Shipping:	\$1,896.86
Estimated Sales Tax:	\$0.00
Total:	\$119,669.96

A deposit of 40% is required at the time of purchase for all orders over \$10,000. Progress payments for material delivered and labor expended will be invoiced monthly. Invoice terms are NET 30 with approved credit. The deposit will apply to the final bill.

This Proposal for sale of equipment or performance of services by CEC is subject to, and expressly conditioned upon CEC Standard Terms and Conditions. (<http://www.cecinfo.com/terms>) CEC Standard Terms and Conditions cannot be waived or altered without the express written consent of CEC Corporate Officer. By signing this Proposal, Customer expressly agrees to be bound by the terms of this Proposal and the CEC Standard Terms and Conditions.

Information contained in this proposal, including part numbers, installation details, pricing information, and engineering drawings shall be considered Proprietary and Confidential, and shall not be duplicated or shared with persons other than the intended recipient(s) referenced above.

Communications Engineering Company

New Hampton Community School District

Signature: _____

Signature: _____

Name: Cecil Anderson

Name: Jeremiah Cantu

Title: Sales Manager

Date: _____

Date: 05/17/2019