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300 4th Street
West Des Moines, IA 50265
515.724.7938

Newton Correctional Facility (NCF)
DOC NCF Fire Alarm & Security Systems Replacement
RFB0918335077 DAS #8994.00
Addendum #1
August 3rd , 2018

This addendum is issued to modify, clarify, or amend the original Project Drawings and Specifications and is hereby made part of the Contract Documents. The Contractor shall be responsible for incorporating items in this Addendum to the Work. The following shall take precedence over anything to the contrary in the Drawings or Specifications.

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Mechanical
Electrical
Plumbing
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Technology

Technology Clarifications:
The following are formal questions submitted by interested bidders:

Q: "We are bidding on the surveillance package. Is it possible to submit two bids representing two different approved manufacturer solutions?"

A: Yes, just as long as the solution being bid is an approved manufacturer that has a proven track record for integrating with Detention Controls systems platforms such as Wonderware, Secured State or Indusoft.

Q: "We would like to confirm the video retention time. The bid documents state 30 days but the walk through 60 days was mentioned."

A: The specifications represent the accurate information. 30 days of retention is the desire. The 70% of active motion is an estimate of activity. All cameras shall be recording 24 hours a day, 7 days a week.

Q: "Sheet T2.0 shows network (BP #1) and CCTV (BP# 5) equipment in the same new rack. Which bid package should this new rack be quoted in?"

A: The primary purpose for all specified racks are to host telecommunications connectivity (copper and fiber). Therefore, this is scope that shall be part of Bid Package #1 - Communications.

Q: "Currently there is a control console installed inside Building K. Drawing T1.K1 indicates an intercom station. Please indicate if this should be a new console that mimics existing functions or if a new workstation should be provided?"

A: A similar functioning station will need to be provided here. A full command workstation will not be required here as only two doors are controlled. Intercom, duress and door unlock functionality will be required at Building K's

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reception/guard desk. See below for the formal adjustment to the contract documents.

Q: "In order to connect existing field devices to the PLC with high-density discreet I/O, the resistors currently connected to field devices will need to be removed. This includes all controlled/monitored and monitored only doors, request buttons and intercom stations. In addition to the removal of the resistors at each door, the door position switch and lock status switch at each controlled / monitored door will need to be wired in series (normally closed) so that when the door is in the closed and secure position, the PLC system receives a contact closure. If either the door position switch or lock status sensor go unsecure, the circuit will open indicating an unsecure door at the officer's control station, etc. Is this method acceptable?"

A: Supervision will not be requirement as long as all circuits are wired in a normally closed state. This will allow any circuit's "open" condition to trigger an alarm back at each Housing Unit's command post and at Master Control in Building H. The awarded contractor will need to access not only the lock pocket for these openings but also a frame mounted door position switch to make these changes.

Q: "Current operation of the handsets on the existing control consoles has these communicating back to central control inside building H Is this operation still desired?"

A: Yes. Maintain this existing functionality. See below for the formal adjustment to the contract documents.

Q: "There are door position switches in the frames of many of these openings. Will the access and screw replacement be applicable to these devices as well?"

A: Yes. The Newton Correctional Facility will provide labor to access both the lock pocket hardware as well as the door position switches. Owner will also replace screws that were painted over.

Q: "What is acceptable down time for the perimeter fence system for the upgrade?"

A: The desire is no more than 48 hours of downtime. If the existing Senstar field wiring to each sensor post is routed in a redundant loop fashion, an organized cutover can be provided. Zones can be taken down and cutover one at a time rather than taking the entire system offline. Regardless, coordinate this directly with the owner as they will require additional staffing of the perimeter when this system needs to be taken offline.

Q: "Is the owner requiring anything to be salvaged and returned during selective demolition?"

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A: The owner shall have the option for salvaging all major components in this project. This shall include but not be limited to: All Control Panels, All video surveillance head end equipment and any copper or fiber optic patch cabling.

Technology Drawings:
CLARIFICATION: For detention control system requirements within the Master Control Room inside Building H, refer to sheet FA.H3 and the enlarged plan. The intent was to have a common detail for both fire detection alarm and detention controls.

Sheet FA.H3 – Fire Alarm Plan – Building H – Second Floor

1. Keyed Notes:
    a. **REVISE** Keyed Note 10 to read: "Provide a master intercom station and to allow this control room to communicate with individual door stations in the event each respective housing unit's command post is unable to respond. Also, maintain existing handset communications between master control and the individual housing unit's command post."

Sheet T1.A1 – Technology Plan – Building A – First Floor

1. Keyed Notes
    a. **REVISE** Keyed Note 7 to read: "Existing desk station controller serving duress, intercom, remote unlocking and two-way telephone handset communication capabilities. The new detention controls system shall replicate all of these station's abilities and provide for the same functionality at each location identified on the plans."

Sheet T1.B1 – Technology Plan – Building B – First Floor

1. Keyed Notes
    a. **REVISE** Keyed Note 7 to read: "Existing desk station controller serving duress, intercom, remote unlocking and two-way telephone handset communication capabilities. The new detention controls system shall replicate all of these station's abilities and provide for the same functionality at each location identified on the plans."

Sheet T1.CD1 – Technology Plan – Building C and D – First Floor

2. Keyed Notes
    a. **REVISE** Keyed Note 6 to read: "Existing desk station controller serving duress, intercom, remote unlocking and two-way telephone handset communication capabilities. The new detention controls system shall replicate all of these station's abilities and provide for the same functionality at each location identified on the plans."

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Sheet T1.E1 – Technology Plan – Building E – First Floor

1. Keyed Notes
    a. **REVISE** Keyed Note 8 to read: "Existing desk station controller serving duress, intercom, remote unlocking and two-way telephone handset communication capabilities. The new detention controls system shall replicate all of these station's abilities and provide for the same functionality at each location identified on the plans."

Sheet T1.H2 – Technology Plan – Building H – First Floor East

1. Keyed Notes
    a. **REVISE** Keyed Note 4 to read: "Location of existing desk station panel H-4 serving duress, intercom, remote unlocking and two-way telephone handset communication capabilities. The new detention controls system shall replicate all of these station's abilities and provide for the same functionality at each location identified on the plans."
2. Keyed Notes
    a. **REVISE** Keyed Note 5 to read: "Location of existing desk station panel H-2 serving duress, intercom, remote unlocking and two-way telephone handset communication capabilities. The new detention controls system shall replicate all of these station's abilities and provide for the same functionality at each location identified on the plans."

Technology Plan – Building K – First Floor

2. Switchbd. 002
    a. **REVISE** existing panel K-1 illustrated on the counter top of this area. Panel currently unlocks doors 002A and 002B from a switch on the console. It also hosts intercom functionality as well as a telephone handset that calls Master Control inside Building H. There is a duress button that is monitored by Master Control as well. Maintain all of this existing functionality with the new detention controls system. It may require a custom panel that is similar in shape and size to the existing panel. Provide this as a part of the Detention Controls bid package.

Sheet T2.1 – Technology Details

3. Telecommunications Infrastructure Riser Diagram
    a. **REVISE <u>CONNECTIVITY REQUIREMENTS</u>** outlined in the middle of the diagram to read:
    "Typical of all buildings:
        2-strands for primary path "A"

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2-strands for primary path “B”
2-strands for secondary path “A”
2-strands for secondary path “B”
2-strands for fire alarm
2-strands for spare”

b. **CLARIFICATION** A reduced count from 14 to 12 strands will provide a significant cost savings for installation materials and labor.
c. **ADD** one (1) 12-strand fiber routed from each building’s telecommunications room to the nearest handhole for mid-cable entry into the 144-strand singlemode fiber ring. This 12-strand fiber shall carry the same requirements for outdoor rating, performance and execution of installation as listed in the project manual. Refer to specification section 27 1323 for those requirements.

Technology – Approved Manufacturers:

The following shall be added to specifications as approved manufacturers:

27 2130 Part 2.02 Page 3. Type 1 & 2 Switches	Aruba/HP
27 2130 Part 2.02 Page 3. Type 1 & 2 Switches	Extreme Networks
28 5200 Part 2.02 Page 13. Door Control System	Aveva - Indusoft

Attachments:
NCF Sign In Sheet

End of Addendum.

THE Samuels Group
CONTRACTORS. INNOVATORS. OVER ACHIEVERS.

WISCONSIN
311 Financial Way
Suite 300
Wausau, WI 54401
phone 715.842.2222
fax 715.848.8088

IOWA
317 6th Avenue
Suite 720
Des Moines, IA 50309
phone 515.232.6443
fax 515.288.0471

PROJECT NAME: 8994.00 NCF FIRE ALARM & SECURITY SYSTEMS

MEETING LOCATION: NEWTON CORRECTIONAL FACILITY

MEETING TYPE: PRE-BID MEETING

DATE AND TIME: TUESDAY, JULY 24TH, 2018 @ 10:00 AM

Company Name	Contact Person	Phone Number	Email Address
Samuels Group	Jerry Dekuke	515-661-7142	jdekuke@samuelsgroup.net
EmbarkIT	Yvette Spence	515-440-1336	Yvette@embarkit.com
Embark It	Gerson Carillo	515-537-9960	gerson@embarkit.com
ABC ELECTRIC	BRIAN CARNINE	515-270-6400	BCARNINE@ABCELECTRIC.COM
NCF	Scott Miller	641 791 1917	Scott.Miller@Iowa.gov
NCF	Julie Geller	641 791 1752	Julie.Geller@Iowa.gov
ABC Elec	Jeff Robinson	515-309-5632	JROBINSON@ABCELECTRIC.com
Tri-City Elect	Chris Haack	563-949-7490	chaack@tricityelectric.com
Simplex / JCI	Andy White	712-898-5024	Andrew.J.White@JCI.com
JCI	Kevin Hansen	515-202-8508	Kevin.Hansen@jci.com
JCI	Cory Johnson	515 227 6330	Cory.Johnson@jci.com
NCF	Mike Philby	515 6572354	michael.philby@iowa.gov
NCF	Jeremy Larson	515-570-6290	Jeremy.Larson@Iowa.gov
NCF	Jimmi Gustafson	641-791-1693	Jimmi.gustafson@iowa.gov
KCL	CHRIS DAVIS	515-333-8844	CDAVIS@KCLENGINEERING.com
VanMaanen Tech	Tim Hudson	515-724-1787	thudson@VANMAANELECTR.com
CEC	PAUL Weisskopf	515-289-3707	PWeisskopf@CECINFO.COM
DAS	Brad Tonyan	515-360-7718	brad.tonyan@iowa.gov
S. G.	Brc 7/24/2018	515-346-7981	Breynolds@samuelsgroup.net