

ADDENDUM NO. 1

Date: 01/11/2023

Project Name: DOC NCF Generator Switchgear Controls Replacement

DAS RFP #: 932400-01

DAS Project #: 9324.00

PROPOSALS DUE: 01/17/2023

The original Project Manual and Drawings for the project noted above are amended as noted in this Addendum. Included in this Addendum are Specification, Architectural, & Engineering items.

Please review all sheets and incorporate them into your set of Contract Documents.

The receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

This Addendum consists of:

General Items:

1. Meeting minutes from RFP Pre-Proposal Meeting held on 01/05/2023 (3 Pages)

Electrical Drawings:

1. Site Electrical Sheet 2.8 (1 Page)

Landscape Drawings:

1. First Floor Plan Sheet L 11.1 (1 Page)



State of Iowa - Department of Administrative Services
 109 SE 13th St.
 Des Moines, Iowa 50319
 P: (515) 281-7260

Project: 9324.00 DOC NCF Generator Switchgear Controls Replacement
 307 S 60th Ave E W
 Newton, Iowa 50208
 P: 641-792-7552

RFP 9324.00 Pre-Proposal Minutes: Meeting #1

Meeting Date	Jan 5, 2023	Meeting Time	11:30 AM - 12:30 PM Central Time (US & Canada)
Meeting Location	Newton Correctional Facility (307 S 60th Ave W, Newton, IA 50208)	Video Conferencing Link	https://teams.microsoft.com/l/meetup-join/19%3ameeting_NmJI0GVhM2QtMzI5Yi00ZDZhLTlIOGIhMTNhYzc0ODg2Y2Qy%40thread.v2/0?context=%7b%22id%22%3a%22705e7dc3-c582-4519-a026-3a1c9fd5fc88%22%2c%22oid%22%3a%2232fc077f-7c0c-4059-94f0-09beb0a16bf6%22%7d

Overview Meeting to allow prospective design firms to visit the project site, when possible, and learn more about the scope for project DOC NCF Generator Switchgear Controls Replacement.

Notes

Attachments [Attachment A - Existing Photos - 9324.00.pdf](#), [9324.00 Designer RFP.docx](#), [Attachment B - Existing Photos - 9324.00.pdf](#)

Scheduled Attendees

Name	Company	Phone Number	Email	Attendance
Jarrad Boever	Boyd Jones Construction Company	P: (515) 318-8340	jboever@boydjones.biz	Present
Andrew Paleczny	Boyd Jones Construction Company	P: (402) 553-1804	apaleczny@boydjones.biz	Present
Brad Heir	Newton Correctional Facility	P: (515) 314-8820	brad.hier@iowa.gov	Present
Justin Thomas	Newton Correctional Facility	P: +1 (515) 7255013	justin.thomas@iowa.gov	For Distribution Only
Brad Tonyan	State of Iowa - Department of Administrative Services	P: 515-360-7718	brad.tonyan@iowa.gov	Present

Introduction

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
1.1	1	Introductions				Open
<p>Description</p> <p>DAS - Owner Representative</p> <ul style="list-style-type: none"> • Brad Tonyan <p>Boyd Jones - Construction Manager</p> <ul style="list-style-type: none"> • Andrew Paleczny (Project Manager) • Jarrad Boever (Project Engineer) <p>DOC NCF CRC Facility</p> <ul style="list-style-type: none"> • Brad Heir (Associate Warden Administration) • Justin Thomas (Plant Operations Manager) • Eric Depenning (Correctional Trade Leader) 						

Official Documented Meeting Minutes

Also in attendance:

- Mohammed Abu-Hasan - Innovative Engineers, Inc.
- Jesse Smith - Excipio
- Timothy Buss - Enercon Industries (Was having issues joining)
- Matthew Jahnke - Bluestone Engineering (Was having issues joining)

Project Overview

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status												
2.1	1	Scope Review				Open												
<p>Description</p> <ul style="list-style-type: none"> • At a minimum, design for construction for the following: <ul style="list-style-type: none"> ◦ It is anticipated to remove the current Digital Master Control and replace with a Digital Mater Control 8000. ◦ Design and construction administration for the complete replacement of the control system for the main switchgear for the Newton Correctional Facility. This switchgear controls the power from two feeds from Alliant Energy and two existing Cummins generators serving the Newton Correctional Facility. The existing controller has exceeded its expected useful life and replacement parts are no longer available. Contractor must maintain power throughout the project by providing an adequately sized standby generator. ◦ Equipment information <table border="0" style="margin-left: 40px;"> <thead> <tr> <th style="text-align: left;">Model</th> <th style="text-align: left;">Serial #</th> <th style="text-align: left;">Year Installed</th> </tr> </thead> <tbody> <tr> <td>~Generator 1 - 500DFED</td> <td>G960612267</td> <td>1995</td> </tr> <tr> <td>~Generator 2 - 500DFED</td> <td>G960612278</td> <td>1995</td> </tr> <tr> <td>~DMC Panel - PCIL 2002G/48A</td> <td>H960612921</td> <td>1997</td> </tr> </tbody> </table> <p>- Contractor will be Cummins under a master agreement.</p>							Model	Serial #	Year Installed	~Generator 1 - 500DFED	G960612267	1995	~Generator 2 - 500DFED	G960612278	1995	~DMC Panel - PCIL 2002G/48A	H960612921	1997
Model	Serial #	Year Installed																
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~Generator 2 - 500DFED	G960612278	1995																
~DMC Panel - PCIL 2002G/48A	H960612921	1997																
<p>Official Documented Meeting Minutes The ATS appears to be built into the switchgear. New switchgear should be a modular design so it can be added to in the future.</p>																		

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.2	1	Schedule Review				Open
<p>Description</p> <ul style="list-style-type: none"> • Questions Due to construction.procurement@iowa.gov: 01/10/2023 • Addendum Issued: • Proposals Due: 01/17/2023 • Selection of Designer/Issue NOI: Week of 01/23/2023 • Execution of 803 Contract: Week of 01/23/2023 <ul style="list-style-type: none"> • Tentative Design Kickoff Meeting: Week of 01/30/2023 • 50% CD and budget: 03/01/2023 • 95% CD: 03/21/2023 • Contractor Bidding: May 2023 • Execution of Contractor's Contract(s): June 2023 • Submittals, Procurement and Construction: Starting June 2023 						

- Closeout: **September 2023**

Official Documented Meeting Minutes

Design schedule should be fine but construction schedule will be way off due to lead times on equipment.

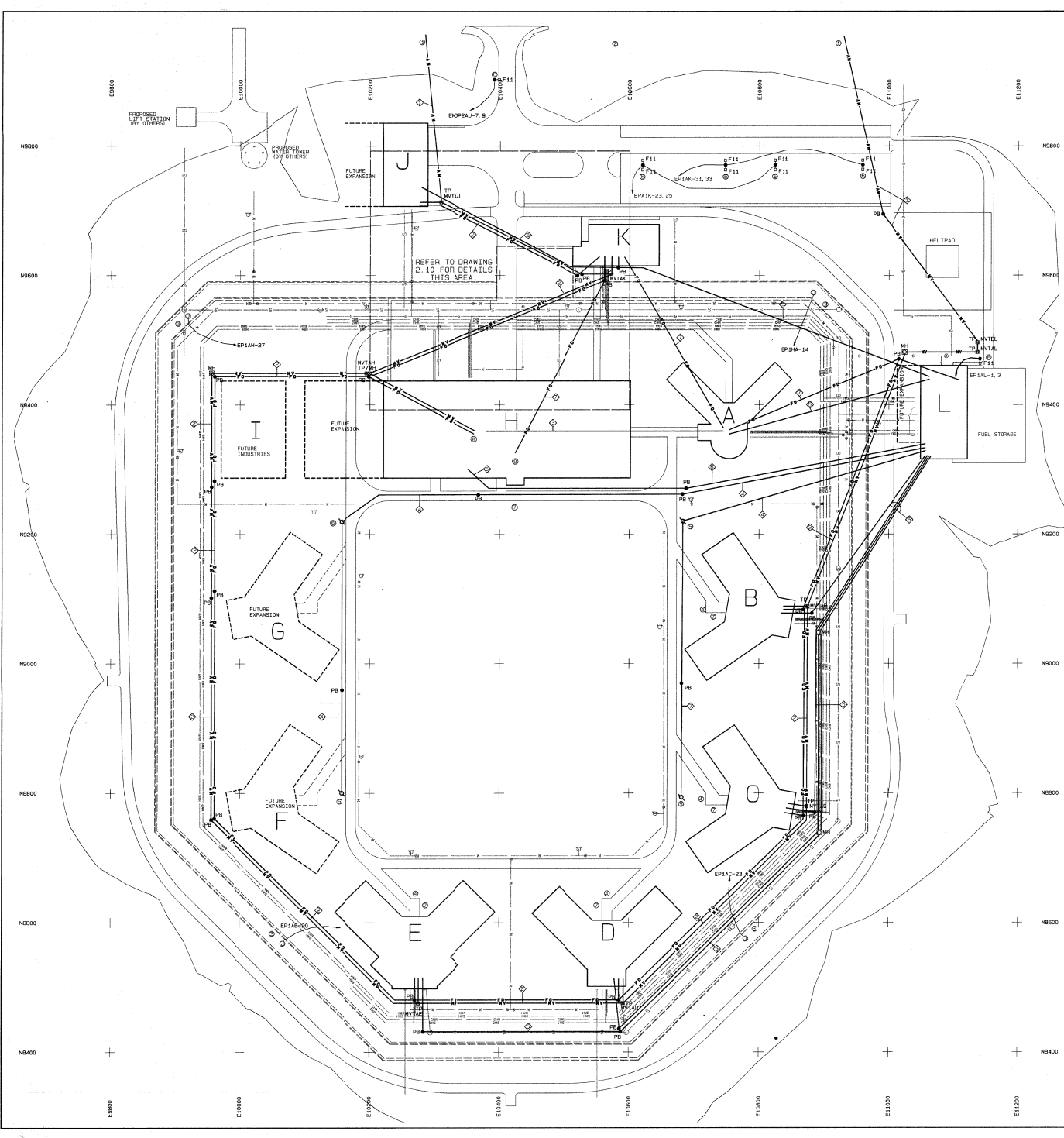
RFP Overview

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.1	1	RFP Requirements Review				Open
Description						
<ul style="list-style-type: none"> • All questions to be directed to construction.procurement@iowa.gov • DAS uses Procore online project management system for all projects, at no cost to the designer. • DAS uses a modified ConsensusDocs 803 Form of Agreement • DAS requires a project-specific Certificate of Insurance and specifies a Professional Liability policy of \$2,000,000 with a deductible of \$25,000 <ul style="list-style-type: none"> ◦ Must note in proposal if deductible is different and provide a letter of financial stability from bank ◦ Must provide COI prior to contract execution • Ensure the following items are included in the proposal: <ul style="list-style-type: none"> ◦ Project-specific schedule ◦ Resumes for all technical staff that will be assigned to the project ◦ Anticipated hours and rates for each person on the design team ◦ Lump sum broken down by schedule of values 						

Conclusion

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
4.1	1	Designer Questions				Open
Description						
Any questions?						
Official Documented Meeting Minutes						
Question - Can equipment be installed in a different spot to allow for setup while old equipment remains in use.						
Answer - Yes, if there is a spot that the facility agrees will work then they would explore this option. They don't want the equipment getting installed outside of the building though.						
Question - Is there access to one line?						
Answer - Yes, we will get some more plans and drawings uploaded as an addendum. When a designer is selected they will have access to all of the relevant drawings / files available.						
Question - What is the Budget?						
Answer - The all in budget is approximately \$200,000.						

These meeting minutes are believed to be an accurate reflection of those items discussed and the conclusions that were reached during the referenced meeting. Please contact State of Iowa - Department of Administrative Services if there are any discrepancies or questions with the content of these minutes.

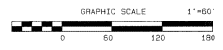


- NUMBERED NOTES.**
- EXISTING UTILITY POLE MODIFIED BY CONTRACTOR FOR UNDERGROUND DIP. REFER TO SPECIFICATIONS FOR MODIFICATION INFORMATION.
 - ADDITIONAL UTILITY POLE ADDED BY LOCAL UTILITY.
 - FENCE CONTROLLER POWER CIRCUIT AS INDICATED.
 - 3/4" CONDUIT FOR INMATE PHONE INSTALLATION. ROUTE TO PANEL P14 IN NEAREST BUILDING. INSTALL PULL STRING IN CONDUIT. STUB UP 3' ABOVE GRADE.
 - HIGH MAST LIGHT POLE. REFER TO SPECIFICATIONS FOR FEATURE INFORMATION. REFER TO LIGHT POLE LOCATION SCHEDULE 12 901 FOR LOCATION INFORMATION.
 - WIRE TO PANEL EPALC IN BUILDING L, ROOM 010.
 - 25' LIGHT POLE WITH ONE OR TWO F11 TYPE AS INDICATED. REFER TO LIGHT POLE LOCATION SCHEDULE 12 901 FOR LOCATION INFORMATION.
 - 3/4" CONDUIT FOR CIGARETTE LIGHTER INSTALLATION. ROUTE TO CIRCUIT BREAKER SHOWN AT OFFICER STATION IN NEAREST BUILDING. INSTALL 2-#12 AND 1-#10S. STUB UP 3' ABOVE GRADE.
 - TERMINATE FIBER ROOM M001.
 - TERMINATE FIBER ROOM C004.

PB = PULL BOX. REFER TO SPECIFICATIONS FOR SIZING.
 MH = MANHOLE. REFER TO DETAILS 11.111 AND 11.112.
 TP = TRANSFORMER PAD. REFER TO DETAIL 11.110 AND TRANSFORMER SCHEDULE 11.

- FEEDER AND CONDUIT NOTES.**
- 1-4" CONDUITS, CONCRETE ENCASED, FOR MEDIUM VOLTAGE ELECTRICAL CABLES.
 - 4-4" CONDUITS, CONCRETE ENCASED, 1 FOR MEDIUM VOLTAGE ELECTRICAL CABLES.
 - 2" CONDUIT FOR ABOVE NORMAL POWER FEEDER TO BUILDING A.
 - 1 1/2" CONDUIT FOR HIGH MAST LIGHTING POWER AND CONTROL.
 - EMERGENCY POWER FEEDER. 480V.
 - TWO EMERGENCY POWER FEEDER. 480V.
 - 1-4" CONDUIT, CONCRETE ENCASED, FOR FIBER OPTIC CABLING.

- GENERAL NOTES.**
- REFER TO SITE POWER WIRING SCHEDULE FOR WIRE SIZING AND TERMINATION POINTS.
 - REFER TO SPECIFICATIONS FOR MEDIUM VOLTAGE CABLE SIZING.
 - REFER TO SPECIFICATIONS FOR FIBER OPTIC CABLE SIZING.
 - COORDINATE ACTUAL UNDERGROUND CONDUIT ROUTING WITH UNDERGROUND UTILITIES INSTALLED BY OTHER BID PACKAGES AND FINAL GRADING ELEVATIONS.



CONTROL POINTS

POINT	DESCRIPTION	ELEVATION
CP100	W. COR. SEC. 27-78-18; FOUND 4 1/2" IRON ROD 0.2' DEEP, INTERSECTION W. 4TH ST. S. 6'S. BOTH AVE. W.	N10000.000 E10000.000
CP101	N. 1/4 SEC. 27-78-18	N10000.000 E12808.210
CP102	1/4 1/4 CORNER SEC. 27-79-19	N10000.000 E11304.100

BENCH MARK

MARK	DESCRIPTION	ELEVATION
BM1	180S CONC. MONUMENT, N. SIDE S. BOTH AVENUE W.	885.85
BM2	RR SPOKE W. FACE N. TOWER TRANSMISSION POLES S. END SITE	886.81

I hereby certify that these plans and specifications were prepared by me or under my direct supervision and that I am a duly registered Professional Engineer under the laws of the State of Iowa.

Signed: _____ Date: _____

Walter E. Deane, P.E., Iowa Reg. No. 3582
 My registration expires December 31, 1996.



STATE OF IOWA
BROOKS BORG SKILES
 AN ARCHITECTURAL ENGINEERING FIRM
 1000 WEST 15TH AVENUE
 DES MOINES, IOWA 50319
 VENTURA & DEANE, INC.
 PROFESSIONAL ENGINEERS
 1000 WEST 15TH AVENUE
 DES MOINES, IOWA 50319

STATE OF IOWA
NEWTON CORRECTIONAL FACILITY
 NEWTON, IOWA

SITE ELECTRICAL POWER LIGHTING AND FIBER OPTICS

SCALE: 1"=60'

DATE: 10/11/95

PROJECT NO. 95-001

2.8

END OF ADDENDUM #01