



State of Utah

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Division of Facilities Construction and Management

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## ADDENDUM NO. 2

Date: March 15, 2011

To: Contractors

From: Brian Bales

Reference: CUCF Perimeter Security System Upgrade  
Gunnison, Utah

Project No.10208100

Subject: **Addendum No.2**

Pages	<u>Addendum</u>	8 pages
	Total	8 pages

**Note:** *This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.*

**2.1 SCHEDULE CHANGES** – There are no changes to the project schedule.

**2.2 GENERAL** – AECOM Specs. & drawing. Please see attached sheets.



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**CENTRAL UTAH CORRECTIONAL FACILITY  
PERIMETER SECURITY DETECTION SYSTEM**

**DFCM PROJECT No. 10208100**

**ADDENDUM No. 2  
March 15, 2011**

The original specifications and drawings, dated January 05, 2011 for the project referenced above are amended as noted in this Addendum No. 1

The Bid Date and Time are NOT changed by this addendum.

Receipt of this addendum shall be acknowledged by inserting its number and date in the space provided on the bid forms.

This addendum consists of 6 pages (and the attachments noted herein)

**ATTACHMENTS:**

**ADD 2-1:** Supplemental Drawing ADD1-SK-1, One page (located at the end of this addendum)

**ADD 2-2:** Bidders are cautioned that from time to time they may be prevented from some work areas and that their schedules may be affected. For that reason bidders should include 4 calendar weeks of float time in their bid and schedule which will be used as full compensation for delays created by the owners. No compensable delay request in favor of the contractor will be considered until the required 4 weeks have been exhausted.

**ADD 2-3:** Bidders will be required to provide a 2 week minimum notice to the owner for access to secure areas within any building .

**SPECIFICATION:**

**ADD 2-4;** Add to specification section 287075 the following:

1.1, A, 1,

d. Revise to read

Provide newest version (6.2) of access control software and update all existing programs and data bases. Provide also the 64 reader version.

Add

e. Change the existing IP addresses for the existing access control panels on the security network to Class C IP address format

2.21 ADDITIONAL SOFTWARE

A. Muster Reporting

1. Provide and install all required software and programming required for muster reporting, software is an option for the existing enterprise AMAG Access Control system.
- B. Hawkeye Video Verify Software
1. Provide and install all required software and programming required for Video Verify, software is a third party package which will interface with the existing AMAG Access Control system as manufactured by Hawkeye Technologies.
- 3.3, D,
8. Multi-sensor cameras shall continue to track alarmed detection of subject after subject has left the fixed camera detection zone. After alarm has been reset, the multi-sensor camera will return to a predetermined preset.
- Add/ Change to specification section 287050

## **DRAWINGS**

- ADD 2-5:** Drawing TY-200, Detail 3/TY-200, all conduit in the surface mount ductback shall be Schedule 40 PVC. This does not apply in other locations.

## **BIDDER QUESTIONS**

### **ADD 2-6: Fencing Questions:**

1. I see a concrete mix design for the fencing. Is there a mix design required for the camera foundations and duct banks?
  - a. *Response: The same mix design may be used for "all" concrete on the project.*
2. Camera Surveillance Pole Footing E/A2.1 are you requiring epoxy coated rebar or uncoated?
  - a. *Response: Epoxy coated rebar is NOT required.*
3. On plan sheet A-2.1 details B & C call for a post foundation, but at the bottom of the fabric there is a note to strap the bottom rail to a grade beam. I assume this is an error and the type A fence is the only one that gets a continuous grade beam foundation which is the inner of the two perimeter 12' fences and I assume this is the case for the existing fences. Please clarify.
  - a. *Response: Both Fence Types B & C have a continuous "Mowstrip" that the bottom rail is to be "strapped" to. In Section B the mowstrip was omitted for clarity but is still required by Detail H/A2.1.*
  - b. *Response: Fence Type A has a "Continuous Grade Beam Foundation that is 4'-0" deep and 1'-0" wide.*
4. Is it correct that the type C cross fence that are shown on the A1-0 plan sheet do not have existing mow strips and will need new ones installed? Also on these fences are we to only

replace the black plastic mesh fabric which goes up approx 8' to a center rail with new chain link fabric and an intermediate post?

- a. *Response: Yes, new mowstrips are required at all Type C fence locations*
- b. *Response: No, the plastic fence is to be removed completely and a new Type C fence installed.*

5. On plan sheet A1.1, since the existing outer fence crosses the line of the new fence at the two jogged end connection points, will a temporary fence need to be installed at these two connection points so this fence line will be intact at all times? If so please show the type of this fence and the the layout.

- a. *Response: Please refer to the “SEQUENCE OF FENCING REMOVAL & REPLACEMENT” on Sheet A1.1 for instructions on the removal and install of the fence. Only one fence at a time may be removed until the replacement fence is installed. No temporary fencing will be required for this operations if the specified sequence is followed.*

6. Do the 3 new runs of fencing we are installing at the Tower 2 location need to have new ground cable tie-ins to the existing ground loop? If so please show the layout of this new ground cable work.

- a. *Response: Yes tie-ins must be made to the grounding system. The layout of this work is part of the Contractors “means and methods” but must be reviewed and approved by VCF Lightning Protection as it must be certified under this contract by VCF.*

7. It was stated in the pre-bid meeting that we can work in multiple areas at the same time and the prison will provide escorts as our need requires and it was also stated that we need to include 4 weeks of down time where we may not be allowed to work. We understand that no existing security systems can be interrupted until the new systems are up and running and we are aware of the fence sequencing shown on A1.1, but are there any other instructions you can give us for the sequencing of the work, possibly the inside work versus the exterior work or certain areas that you would like to see done first, or areas that cannot be worked on at the same time.

- a. *Response: Please refer to ADD 2-1 and ADD 2-2 above for clarification on potential “down time” and time required to notify the User before working in the secure area.*
- b. *Response: Refer to Specification 01 10 00 – Summary for the required sequence of work.*

8. At the Tower 2 fence relocation area will you want the existing asphalt saw cut just outside of the outside fence run and the asphalt that will now be inside the new fence line removed. Then will you want us to cover this area with rock mulch to match the existing? Will there need to be a weed barrier fabric below the rock mulch? Please clarify.

- a. *Response: Yes, remove the asphalt only as far as needed to facilitate the required construction.*
- b. *After the new detection system is in operation the existing cobbles are to be relocated to the new fence location. Weed barrier fabric is not required.*

9. Please include the attendance roll for the pre-bid meeting in the addendum.
- a. Response: The Pre-Bid Meeting attendance roll is available for download or viewing on the DFCM project Web Page.*
10. Is the 4' grade beam concrete, pole base concrete, and all other concrete to be 3000 psi as shown for the fence post bases?
- a. Response: Yes see question 1, above in this section.*
11. Detail B/A2.1 "Fence Type B Exterior" shows a post footing foundation, as opposed the continuous grade beam foundation shown on the detail for Type A fence, but also includes a note that the bottom rail is to be strapped to the grade beam. Does the Type B fence require a continuous grade beam?
- a. Response: No it requires a continuous "mowstrip" see detail H/ A2.1 and the response to question 3 above in this section.*
12. Is there a grade beam on the existing Type B fence that has been buried as isn't visible? If there is one there and a grade beam is required on the new Type B fence, it will create issues with constructing the new grade beam and fence.
- a. Response: No, there is a mowstrip but not a grade beam.*
13. The alignment of the new Type B fence will require breaching the existing Type B fence at each end where the new fence is offset by 12'8" and 25' respectively. To maintain security we will need to construct a temporary fence bypassing the new construction area. To what extent will the temporary fence be required to match the existing fence, and how should that fence be aligned?
- a. Response: See response to question 5 above and read the "SEQUENCE OF FENCING REMOVAL & REPLACEMENT" on Sheet A1.1 for instructions on the removal and install of the fence.*
14. There is a specification for grounding in the fencing specification. Does it apply at all, and if so, to all fences?
- a. Response: Yes all fence must be grounded to the requirements of VCF Lightning Protection and be certified by VCF and the completion of the Work.*

**ADD 2-7: Security System Questions:**

1. Are the microwave sensors shown on TY-102 are to be 1-Beam, or 2-Beam?

*Response: Two beam*

**ADD 2-8: Electrical Questions**

1. On TY-105, TY-106, TY-107, and TY-108 there are electric door strikes called out. Do these require 120V power? If so, where does this circuit feed from?

*Response: All electric strikes are Von Duprin 6211, 24vdc. Provide power for doors on TY-105 and 106 from room N638. Provide power for doors shown on TY-107 from room 12019. Provide power to doors shown on drawing TY-108 from room 9004.*

2. Detail E/A2.1 shows a #6 TW copper ground wire attached to existing bonding loop. Is this the extent of the lightning protection? Are there any certifications, testing, reports, etc. required once the system is complete?

*Response: See specification 28 70 15, 3.1, E*

3. Is any 120V power required for the card access pedestals shown on TY-101? There is mention of 120V power, but there is nothing specific. How many circuits? What size wire?

*Response: Size conductors for length of run, provide power per equipment being provided.*

4. What size are the Nema 4 boxes mounted to the camera poles shown on TY-200? How will this square box mount to a round tapered pole?

*Response: Means and Methods, size to accommodate equipment being provided.*

5. Do the pull boxes shown on the bottom of the fence need to be lockable?

*Response: Secure covers with Torx head Security fasteners*

6. How exactly will the conduit be mounted to the fence posts? Will we need to weld unistrut to the pole vertically? Will we be able to use large self drilling screws to mount the unistrut?

*Response: See sketch Addendum #2 attached to the end of this Addendum.*

7. Are there existing conduits from Towers 1 & 3 that we can utilize to feed power to the security enclosures for the camera system, or will we need to trench these conduits, or install a surface concrete duct bank?

*Response: Refer to drawings; the only existing conduits are between tower 1 and tower 3*

8. Is one 120V circuit sufficient for each security enclosure?

*Response: Yes*

9. Will the microwave sensors shown on TY-102 require 120V power? If so, are there existing conduits, or will they need to be installed from one of the Towers?

*Response: Provide power per equipment being provided, provide conduits and power from nearest equipment enclosure.*

10. What size are the UPS systems in Towers 1 & 3?

*Response: Size UPS for equipment being provided*

11. What size are the electrical panels in Towers 1 & 3? How many circuits need to be available in the panel?

*Response: Means and Methods, size panel for number of circuits required for products being provided*

12. What is the extent of the TVSS protection? Are the receptacles in each security enclosure to be TVSS receptacles?

*Response: All security equipment to be TVSS protected*

Please consider the following RFI's, regarding the existing AMAG System memo handed out at the 3/8/11 site-meeting:

1. There are several interfaces made by Hawkeye software for the AMAG System, and none of them pertain to "control point viewing". Please clarify which interface is required.

*Response: The Hawkeye software is called Video Verify, contact Craig at Hawkeye.*

2. Please clarify what is meant by "AMAG system must be changed from a "live network to a 10. Network".

*Response: This pertains to the IP addressing of the AMAG panels, the addresses need to be configured such that they cannot be accessed or seen from outside of the facility.*

3. Door #9002 (as shown on drawing TY-108) is not shown on the Warehouse One-Line Diagram as shown in detail #2, drawing TY-302. Please clarify

*Response: Provide also control of Door 9002 per TY-108.*

**END OF ADDENDUM No. 2**

CLIENT



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### CENTRAL UTAH CORRECTIONAL FACILITY PERIMETER SECURITY UPGRADE

GUNNISON, UTAH  
DFCM PROJECT NO. 10208100  
UTAH DEPARTMENT OF CORRECTIONS

DESIGNER

AECOM

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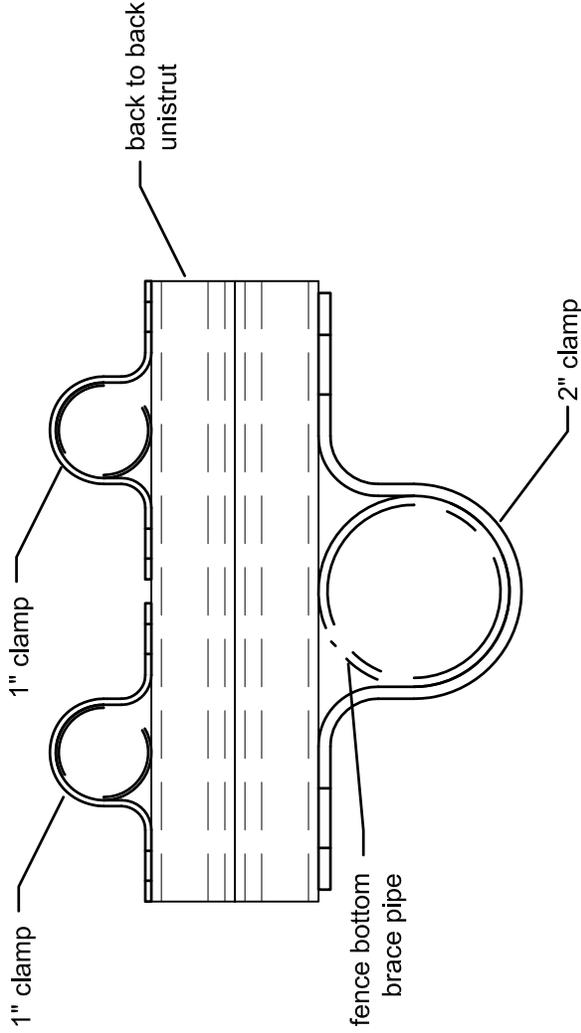
MARK	DATE	DESCRIPTION
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DMJM PROJECT NO: 60164406.1000  
DFCM PROJECT NO:

SHEET TITLE

CONDUIT MOUNTING  
BRACE RAIL DETAIL

ADD2-SK-1



Provide clamps at each end and approximate center of each brace rail section  
 Bolt unistrut to brace pipe  
 Bolt conduit to unistrut  
 Unistrut and mounting clamps to be galvanized, hardware to be stainless steel