University of Colorado
Denver | Anschutz Medical Campus

Facilities Management
Facilities Projects
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CU Anschutz AES Radio System Upgrade

Project Number – 23-109856

Tuesday, May 23, 2023
ADDENDUM 1 Revision 1

To: David Mannlein (Convergint), Morgan Wotkyns (ADT), Josh Johnson (Meridian), Chad Cahill (AT4/CSI), Lenny Haubert (AT4/CSI), Solomon Espinoza (Denver Electrical)

This Addendum modifies certain conditions set forth in the original Request For Proposal (RFP) (CU Project #23-109856) as noted below. This Addendum and the RFP are incorporated into each other and, when read together, shall constitute one integrated document. Any inconsistency, conflict, or ambiguity between this Addendum and the RFP shall be resolved by giving precedence and effect to this Addendum. Acknowledge receipt of this Addendum on submitted bids. Failure to do so may subject Bidder to disqualification. This addendum will be distributed via email to pre-bid conference attendees.

PROJECT MANUAL (RED TEXT):

1. 00 11 00 (Clarification for Penetrations): The contractor shall cover all costs associated with providing new penetrations (interior and exterior) which includes any required fire caulking and/or sealing. Roof penetrations shall be performed by a licensed roofing contractor.

2. 00 11 00 (Antenna Pricing): For bid comparison and equivalency, pricing for the system installation shall include and be based on the cost associated with four (4) externally mounted RUGGED HI GAIN antennas and twenty-five (25) RUBBER DUCK antennas.

3. 00 11 00 (Shop Drawing Directive): The contractor shall utilize TLH Fire for production and completion of the shop drawings for each building. The contractor shall carry in their bid the costs associated with TLH Fire shop drawing production.

QUESTIONS/RESPONSES:

1. Q: Is it the University's preference to be on their own private mesh radio network?
   A: Yes.
2. Q: Will the campus provide the two IP drops for the hybrid buildings?
   A: Yes
3. Q: Can a pre-determined number of external high-gain antennas be agreed upon (suggestion of four) for bidding purposes?

A: Four external high-gain antennas to be set as the standard for bidding purposes.

4. Q: How should power be provided to the AES?
   A: Extend the existing 120VAC circuit from the FACP to provide power to the AES. If capacity exceeds 80% of the 20A breaker, provide a new, dedicated 120VAC circuit to the AES.
5. Q: Is there a preferred construction phasing sequence?
   A: The University's preference is for the Contractor to start on the west side of the campus and make their way east as buildings are completed.
6. Q: Are the add alternates associated with testing for fire alarm only, or does it include testing for sprinklers, extinguishers, etc.?
   A: The intent of the add alternates associated with this RFP is to attain pricing for fire alarm testing only and does not include sprinklers, extinguishers or other systems.
7. Q: Are there specific schedule constraints (i.e. start and end of work times each day)?
   A: Scheduling work times shall be coordinated with Mitch on a building by building basis.
8. Q: Do we have to submit outage requests for each building? What does this process look like?
   A: Outage requests shall be submitted two weeks in advance and shall be submitted for each building to Mitch. Mitch will coordinate with the building and facility managers.
9. Q: Are there preferred IP link locations?
   A: P12 and T36 are the preferred IP link locations. Q20 Fitzsimons is a third option for installation of an IP link.
10. Q: Will the minimum requirements as defined in the Advertisement For Bid be enforced?
    A: Yes.

Attachments:

1. 001100 - Advertisement for Bids R1
2. Sign in sheet

END OF ADDENDUM 1

SECTION 00 11 00 – ADVERTISEMENT FOR BIDS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS (Not Applicable)

1.2 SUMMARY

A. Section incudes administrative and procedural requirements for project advertisement.

1.3 DEFINITIONS

A. ADVERTISEMENT: Posting of project description, requirements, schedule, and related requirements necessary to solicit submittals from contractors.

1.4 ADVERTISEMENT

A. FORM: State of Colorado form “Advertisement for Bids for Contractor’s Agreement Design/Bid/Build” (OSA-AFB-1)

B. A copy of the above noted form is attached at the end of this section.

1.5 PROCEDURE

A. If project is less than $25,000 or greater than $500,000, remove red “Open to SCPP” box.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 00 11 00

ADVERTISEMENT FOR BID/DOCUMNETED QUOTE/RFP/RFQ
State of Colorado
University of Colorado Denver | Anschutz Medical Campus (GFE)
Notice Number: PN 23-109856

Notice Status:	**OPEN**
Publish Date:	**May 2, 2023**
# Notice Revisions:	**1**
Revision Publish Date:	**NA**

Project No:	**23-109856**
Project Title:	**CU Anschutz AES Radio System Upgrade**
Estimated Construction Cost:	**$110,000**

Settlement Notices
For all projects with a total dollar value above $150,000 Notice of Final Settlement is required by C.R.S. 38-26-107(1).
Final Settlement, if required, will be advertised via: Electronic Media

Project Description
Provide and install 7707P-88-M AES radios in each of the University of Colorado Anschutz Medical Campus buildings (quantity 29). Please refer to 284600 Facility Summary to reference buildings and fire alarm control panel type. Provide alarm, waterflow (where necessary), supervisory, trouble, and carbon monoxide reporting zones from the fire alarm control panels for the new AES radios. Each AES radio shall be located at the fire alarm control panel. Confirm exact mounting location with CU prior to installation. Each AES radio shall have a NetCon value of 5. AES Radios and antenna pathways shall be installed in accordance with 284600 CU Technical guidelines and 284600 AES Radio AHJ resource guide. All wire shall be installed in red EMT conduit.
Provide all fire alarm equipment and programming services for each EST panel interface with the new radios. Provide 100% testing of the new AES radios and 10% testing of the existing fire alarm system. 10% testing shall include at least one (1) verification on each reporting zone.
Provide shop drawing submittal for each building to submit to the campus official (refer to sample submittal in division 284600). Shop drawings submittal shall include anticipated antenna types and locations. The contractor shall utilize TLH Fire for production and completion of the shop drawings for each building. The contractor shall carry in their bid the costs associated with TLH Fire shop drawing production. Submit shop drawings to TLH Fire and CU for review and approval prior to submitting for permit. Verify signal strength as radios are being installed. Rubber ducky antennas are preferred. For bid comparison and equivalency, pricing for the system installation shall include and be based on the cost associated with four (4) externally mounted RUGGED HI GAIN antennas and twenty-five (25) RUBBER DUCK antennas. For private mesh radio networks, provide two (2) AES radios with IP links to CU network. Contractor is all permits and fees.
The contractor shall provide AES Radio equipment for campus dispatch to receive signals. Coordinate with CU for monitoring requirements.
The contractor shall cover all costs associated with providing new penetrations (interior and exterior) which includes any required fire caulking and/or sealing. Roof penetrations shall be performed by a licensed roofing contractor.

The contractor shall provide an installation and testing schedule to CU with bid for review and approval (refer to 284600 Example Schedule).

Minimum Requirements

Notice is hereby given to all interested parties that all firms will be required to meet all minimum requirements to be considered for this project. To be considered as qualified, interested firms shall have, as a minimum:

1. Provided General Contracting services within the last three (3) years for at least two (2) projects each in excess of $500,000 (hard costs), utilizing the expertise present in their Colorado Office; and
2. Demonstrated specific General Contracting experience in projects of similar scope and complexity; and
3. Demonstrated bonding capability up to $500,000 for an individual project coincidentally with current and anticipated workloads; provide letter from surety that affirms this capacity.

Other Information

Preference shall be given to Colorado resident bidders and for Colorado labor, as provided by law.

Pre-Bid Meeting

A mandatory Pre-Bid Meeting will be held:

University of Colorado Anschutz Medical Campus
At Fitzsimons, Aurora, Colorado 80045

Comments: **Pre-Bid meeting will begin at 9*:00* AM on May 17, 2023**

Schedule/Submission Details

1. The schedule of events for the RFP process and an outline of the schedule for the balance of the project is as follows:

Advertisement	5/2/2023
Mandatory Pre-Bid Conference and Tour	5/17/2023 – 9:00AM
Date Email Questions Due	5/24/2023 – 2:00PM
Date Email Answers Issued	5/31/2023
Sealed Bids Due	6/7/2023 – 2:00PM
Contract Approval (projected)	6/28/2023
Anticipated Design Start	7/12/2023
Construction Start	9/2023
Construction Finish	Contractor to provide.

2. **ONE (1)** electronic copy submittal bid is due on 6/7/2022 and shall be received no later than 2:00 *PM,* and shall be submitted accepted via email. Send to https://ucdenverdata.formstack.com/forms/rfp rfq submission and copy jace@tlhfire.com.
3. The above schedule is tentative. Responding firms shall be notified of revisions in a timely manner by email. Respondents may elect to verify times and dates by email, but no earlier than 36 hours before the schedule date and time.

Point of Contact/Clarification

Name:	**Gregory Filpus**
Agency:	University of Colorado Denver | Anschutz Medical Campus (GFE)
Phone:	720.281.7417
Email:	GREGORY.FILPUS.@CUANSCHUTZ.EDU

NAME + Co.	EMAIL	MOBILE #
① DAVID MANNLEIN CONVERGINT	david.mannlein@convergint.com	720 505 6206
② Morgan Watkyns ADT Commercial	morgan2adt.com	970.759.2184
③ Soloman Espinoza DENVER FIRE ALARM	Sol@DenverFire.com	720 682-8549

CHAD CANTRELL / ATH FIRE @ SAGECOR
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