

2. FORENSIC SCIENCE CENTER MECHANICAL RETROFIT -- PROJECT SERVICES
FUNDING -- RFTOP HVAC REPL-RFSC

(Request sent to 286 vendors)

RFB #17-0101 S/C #8000123564

	American Mechanical, Inc.	Central Consolidated, Inc.	Kruse Corporation
Base Bid	\$295,970.00	\$297,050.00	\$356,682.00
Days to substantial completion	210	165	40
Days to final completion	60	10	15
Total Calendar Days	270	175	55
Acknowledge Addenda (1 & 2)	Y	Y	Y
Bid Bond	Y	Y	Y
Deduct Alternate #1 from Base Bid - Remove replacing RTU#9 from the project	-\$34,423.00	-\$42,020.00	-\$34,521.00
Option 1, Reliable Controls	\$29,900.00	\$27,190.00	\$29,907.00
Option 1A, Reliable Controls without RTU #9	\$25,660.00	\$23,330.00	\$25,658.00
Option 2, Johnson Controls	\$27,275.00	\$24,800.00	\$27,276.00
Option 2A, Jonson Controls without RTU #9	\$24,945.00	\$22,680.00	\$24,946.00
TOTAL	\$323,245.00	\$321,850.00	\$383,958.00
No Bid	ACM Removal - Kansas, LLC.	Dondlinger Construction	Evans Building Co., Inc.
	Greening Construction, Inc.	Hentzen Contractors, Inc.	Hopper Construction, Inc.
	McPherson Contractors, Inc.	Piping & Equipment, Co., Inc.	Sauerwein Construction, Inc.
	The Best Home Guys	United Contractors	Van Asdale Construction
	8760 Engineering, LLC.	Encore Constructions LLC	Wildcat Construction Co., Inc.
	FSC, Inc.	Merrick & Co.	Snodgrass Construction
	Hutton Construction	Professional Engineering Consultants, PA.	

On the recommendation of Kimberly Bush, on behalf of Project Services, Richard Powell moved to **accept the low bid including Option 2 from Central Consolidated, Inc. in the amount of \$321,850.00.** Talaya Schwartz seconded the motion. The motion passed unanimously.

This project will replace 4 roof top HVAC units at the Regional Forensic Science Center. These new units will enable staff to more precisely control the temperature and humidity in the labs of the facility annex as well as provide the ability to control exhaust hood fan speeds and their interaction with the HVAC system.

These labs require strict control over temperature and humidity due to the handling and testing of evidence. The current units have periodically not been able to perform within the necessary standards during times of extreme temperature or humidity fluctuations in the weather. The new units utilize technology that was not available when the lab was built and will provide the ability to meet and maintain the required temperature and humidity tolerances during all weather conditions.

Questions and Answers

Richard Powell: I have a few questions, the first one deals with the existing equipment now. Can someone tell us how old this equipment is?

Rob Lawrence: The existing equipment is original to the facility, which opened in 2010. Eight years old.

Tom Stolz: We are talking about the annex?

Rob Lawrence: That's correct, the north portion.

Richard Powell: This may be a question for Dr. Rohrig. This statement that requires strict control over temperature and humidity due to handling and testing of evidence. What types of concerns are there if we have significant swings in temperature control and humidity settings?

Dr. Rohrig: Well there are several. One, the analytical instruments have specified operating ranges, humidity ranges from 50 to 85%. If they get outside of those ranges, equipment can malfunction and become inoperable. High humidity when you're dealing with electronics is not good for us, it is going to reduce the lifetime of the analytical instrument. On top of that in these laboratories we have microscopes and we have them serviced every year as required. Our vendor is noticing a lot of wear and tear and we are having to spend more money replacing parts and again reducing the lifetime of these particular instruments. On top of that, especially in low humidity, I think I went in there this morning it was like 19% or if you're on the high-end that can impact drug weights. We have to weigh our drugs because part of the sentencing is based upon weight so if we have a weight that's erroneous that could impact or have questionable results. So when we have these major swings, we just don't weigh the drugs. There's also a safety concern. In low humidity you get a lot of static electricity. We're dealing with a lot of white powders and I think we've all heard enough in the news about the opioid crisis. If you start to aerosolize these drugs, when we're trying to weigh them although they are in an enclosed environment, they can get out into the air. That's hazardous for the scientist doing that procedure. Multifaceted reasons why this is creating wear and tear on the environment, making an unsafe environment and has the potential to call into question the results, but to mitigate that we just don't do the testing at that point and time but that has a negative impact on workflow. Those of you that are in the laboratory arena or at least use results, you hear about this term called backlog that is exacerbating the problem.

Tom Stolz: Do these units solve your cross contamination problem regarding air flow within the system? I mean to where rooms are pristine and their air environment to where you don't get cross-contamination?

Dr. Rohrig: We really don't have cross contamination because we have four units that will take care of different areas in the way the outflow goes. The one thing I didn't mention but Rob kind of alluded to is it gives us better control on our exhaust. We do 100% exhaust so there is a cost of maintaining that environment. So if we have better control over that, our energy cost will also be slightly reduced.

Talaya Schwartz: With the four existing units, is there any chance to resell them or what's the plan to use those four existing ones?

Rob Lawrence: We haven't looked at the possibility of reselling them typically they become the property of the contractor that does the work for them to dispose of. So I don't know the answer as far as from our standpoint. We haven't looked into that.

Talaya Schwartz: It looks like these proposals are pretty similar in price. What was the final criteria that led to the decision with this particular company?

Rob Lawrence: Because they were competitive, as the low bidder, they met all of our technical requirements.

Richard Powell: Are they both located in the city or in the county?

Rob Lawrence: I believe they are.

Kim Bush: Yes.

Rob Lawrence: Yes they are.