



**Purchasing Division**  
 18 North County Street, 9th Floor  
 Waukegan, Illinois 60085-4350  
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**Award Information – 8/19/2019**

**Contract Information**

Purchase Description:	<b>Lake County Jail-Waukegan: Babcox Mechanical Infrastructure Projects – AHU Replacement, Smoke Evacuation System Upgrade, and Chiller Demolition</b>
Contract Start Date:	<b>9/10/19</b>
Initial Term:	<b>9/10/19 through 12/31/20</b>
Term Dates:	<b>N/A</b>
Renewals:	<b>N/A</b>

**Vendor Information**

Company Name:	<b>Mechanical, Inc.</b>		
Address:	<b>2279 Yellow Creek Road</b> <i>Street Address</i>	<i>Suite/Unit #</i>	
	<b>Freeport</b> <i>City</i>	<b>IL</b> <i>State</i>	<b>61032</b> <i>ZIP Code</i>
Contact Name:	<b>Gary Statfield</b>		
Funding Account Description:	<b>Facilities Jail HVAC System Replacement – Building Improvements</b>		
Budget Information:	<b>Was included in the FY19 Budget and is within budget expectations.</b>		
Department:	<b>Facilities/Construction</b>		
Department Contact:	<b>Jeremiah Varco</b>	Award Amount:	<b>\$6,963,000</b>

**Bid / RFP Information**

Registered Vendors: **35 (6 Local)** Responses Received: **2 (0 Local)**

**Intent:**

PROJECT DESCRIPTION: This project contains three scopes of work which the County intends to procure via a single qualified MECHANICAL CONTRACTOR as part of a fully coordinated project.

1) AHU's: There are four existing AHU's serving the jail which are located in the Penthouse, which are nearing the end of their useful life. Each AHU serves approximately one quadrant of the jail portion of the building on floors 3-6. The intent of this project is to replace the air-handlers and related equipment, controls and distribution systems, including CAV's on each floor, as well as building finishes or components related to gaining access for executing the work. Contractor is responsible for the installation of temporary AHUs c/w onboard controls that will service the Jail until the new AHUs are installed. Contractor is responsible for installing new AHUs per the Contract Documents and then removing the temporary AHUs. Refer to Phasing Plan in the Contract Documents. All new BAS controls shall be UUKL listed (latest Edition) as the BAS forms part of the



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Firefighter's Smoke Control System for the Work. All wiring Work shall be in conduit. All BAS wiring shall be in blue conduit. All BAS IP drops shall be in orange conduit. Contractor is responsible for running the purple IP cabling to the BAS switch provided by Owner and as shown in the Contract Documents. All of the new devices and equipment will then be integrated with a new upgraded BAS system to achieve a complete and operational air-handling system. There will also be new interconnections to the existing fire alarm system and with the smoke evacuation system, plus associated re-programming of the existing fire alarm. The result will be an upgraded forced air heating and cooling system that is dependable and energy efficient with improved controls.

2) SMOKE EVACUATION SYSTEM: The current smoke evacuation system is old and requires updating. This project will provide 16 new smoke evacuation fans on floors 3-6 with related components and ceiling work, plus fire alarm and BAS interfaces and be UL listed. The Smoke Evacuation Work follows the 32 fire zone plan as implemented by Simplex. Contractors shall carry Simplex to provide all fire alarm Work in this project. The existing BAS controls in the building are all non-UUKL 864 listed. The AHJ only requires the AHUs 1 through 4 to have listed BAS controls as the BAS forms part of the Firefighter's Smoke Control System for the building. The Owner will arrange for JCI to disconnect the BAS points and devices for AHUs 1 through 4 so they can be re-connected to the new listed BAS device supplied and installed by the BAS subtrade. The existing non-listed BAS controls will be used with AHUs 5 through 16 will then remain in place and are not part of this scope of Work. Contractors shall carry the costs of Simplex to work with the BAS Subtrade to connect the existing AHUs 1 through 4 zone wiring to the new listed BAS device network. The BAS subtrade shall then implement the Simplex Smoke Evacuation sequences as shown in the Contract Documents. Refer to Division 25 for UUKL BAS device commissioning requirements. All work required to access, install and make all these components fully functional (removing and replacing ceilings, wall sleeves, repair to match of damaged materials to remain, etc.) shall be considered part of this scope of work. All new work in detention areas to be detention grade to maintain security level currently in place.

3) CHILLER DEMOLITION: The existing chiller, located in the basement of the Babcox building is decommissioned and requires demolition and removal of the entire abandoned chiller equipment and related system components as documented in the design documents. Minor repairs and matching of finishes to remain is to be included in the scope of work. There is no BAS installation. Contractor is responsible for demolishing the chillers and removing them from site. Protect the Work to prevent damage to other equipment or finishes.

#### **Department Recommendation:**

Lake County Purchasing received and opened 2 bids on August 6, 2019 for the Lake County Jail-Waukegan: Babcox Mechanical Infrastructure Projects – AHU Replacement, Smoke Evacuation System Upgrade, and Chiller Demolition. Mechanical, Inc. is the lowest responsive and responsible bidder in the amount of \$6,963,000. Lake County Facilities/Construction agrees with my recommendation.