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DISTECH
CONTROLS™

AUTHORIZED SYSTEM INTEGRATOR

To: Travis Swanson

Date: January 30, 2024

Site: **City of Killeen Civic Center**

3601 S W S Young Drive
Killeen, TX 76542

Scope: Building Management System Replacement

We propose to provide a new Distech BACnet building automation system to replace the existing control system as defined below.

Tempset Controls will perform the scope of work:

	Civic Center - New BAS System	\$179.220.
	Includes previously quoted Jace Replacment	

TIPS – TEMSPET CONTRACT # 22010601

Total scope includes the following:

- Supply and install a complete Distech Direct Digital Control (DDC) System as required to accomplish the Sequences of Operation for control of heating, ventilating, air-conditioning, and other building equipment, and systems that are currently existing.
- Provide BACnet controllers defined below including devices, wiring, transformers, enclosures, and terminations unless specifically addressed elsewhere in this quote.
- Provide all required software programming and color graphic displays for each piece of equipment.
- Provide design and as built documentation to be turned over to owner.
- Required labor, start-up, and point-to-point verification.
- Work to be performed during regular business hours.
- Guarantee of system from defects in workmanship and material under normal use and service for one year.
- System Training to be coordinated at the owner's convenience and availability. **All training is free for the life of the system.**

List of Controlled/Monitored Equipment:

- **Building Controller:**
 - Provide new Hardware and Niagara Software with all necessary licenses to accommodate capacity of system size with spare capacity of 10%. Provide and install new panel with UPS in location nearest network switch. IP Address to be provided by owner.
- **Chill Water System:**
 - Provide and install new BACnet Distech Unit controller, field installed.
 - Provide and install NEW Control Panel and utilize existing 120V.
 - Utilize existing Control Valves & Replace Actuators.
 - Provide and install new end devices to include:
 - ✓ Immersion Temperature Sensors (utilize existing wells)
 - ✓ Liquid DPT's
 - ✓ Current Sensing Relays
 - ✓ Relays
 - ✓ Actuators (Utilize existing valves)
- **(8) Multi-Zone Air Handler Units (AHU-1 thru AHU-8):**
 - Provide and install new BACnet controller, field installed.
 - Provide and install NEW Control Panel and utilize existing 120V.
 - Utilize existing Control Valves & Replace Actuators.
 - Utilize existing Control Dampers & Replace Actuators.
 - Provide and install new Communication Cable for all Controllers.
 - Provide and install new Space Sensor Cable for all Zones.
 - Provide and install new end devices to include:
 - ✓ Space Temperature Sensors
 - ✓ Space Humidity Sensors
 - ✓ Duct Temperature Sensors
 - ✓ Duct DPT's
 - ✓ Freezestats
 - ✓ Current Sensing Relays
 - ✓ Relays
 - ✓ Actuators
 - Utilize existing Control Sequences:
 - ✓ 2 Zones Each - AHU-1, 2, 4, 6, 8
 - ✓ 3 Zones Each - AHU-5
 - ✓ 4 Zones Each – AHU-3
 - ✓ 5 Zones Each – AHU -7
- **(2) DX Single Zone Air Handler Units (AHU-9, AHU-10):**
 - Provide and install new BACnet controller, field installed.
 - Provide and install NEW Control Panel and utilize existing 120V.
 - Utilize existing Control Dampers & Replace Actuators.

- Provide and install new Communication Cable for all Controllers.
- Provide and install new Space Sensor Cable for all Zones.
- Provide and install new end devices to include:
 - Space Temperature Sensors
 - Space Humidity Sensors
 - Duct Temperature Sensors
 - Current Sensing Relays
 - Relays
 - Actuators

Clarifications & Exclusions:

- The following devices will be re-used:
 1. Control Valves
 2. Control Dampers
 3. Flow Meters
 4. VFD's
- All existing control panels, control wire and end devices to be replaced with NEW unless specifically noted in above scope descriptions.
- All control dampers and control valves shall remain in operation and to be re-used. Only the associated actuators will be replaced with NEW.
- Air Flow Measuring Stations are excluded.
- Smoke Detectors are excluded.
- Test & Balance is excluded.
- Tax, Bonds and Permits are excluded.

Thank you for considering Tempset Controls for this project. If you have any questions regarding this quote please contact me directly at (512)595-4067.

Ken Smith



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