



ELDRIDGE & ASSOCIATES PA
CONSULTING ENGINEERS

604 Hwy 80 West, Suite U
P.O. Box 1179
Clinton, Mississippi 39060

Officers:
JIMMY W. ELDRIDGE, P.E.
President

Telephone: (601) 925-5258
Facsimilie: (601) 925-5248

October 12, 2016

Mr. Glenn Kornbrek
Bureau of Building, Grounds, and Real Property Management
Department of Finance and Administration
501 North West Street, Suite 1401B
Jackson, Mississippi 39201

Re: GS # 107-308 Sole Source for controls for the Chiller Plant

Dear Mr. Kornbrek,

As a part of the Student Union Addition and Renovation at the University of Mississippi the chiller equipment required to serve the cooling needs of the building is being installed in the existing chiller/boiler plant located across campus from the Student Union. While the building automation controls for the Student Union addition and renovation have been competitively bid, the controls for the chiller equipment need to be from the same manufacturer as the controls for the existing chiller plant.

The existing chiller plant has three chillers with their associated pumps and cooling towers. The plant is operated and controlled with JCI controllers and programs. The chiller and pumps being added for the Student Union project will need to be operated and controlled by the same programming as the rest of the chiller plant. While the chiller is being added to give the additional capacity required by the Student Union project, the chiller will not be dedicated explicitly to the Student Union, but will be put into the plant to operate alongside the existing chillers. The staging of the chillers and pumps requires that they be controlled by one master controller, the JCI controller already in use. Therefore the controls for the Student Union chiller and pumps need to be JCI controls as well.

Jimmy Eldridge, the Mechanical Engineer for the project, estimated the cost of the controls for the chiller and its associated pumps to be Forty-eight Thousand dollars (\$48,000). This estimate was based on the control costs from two recent projects, The Civil Rights Museum and the Delta State Chiller Plant. The price provided by Johnson Controls for the chiller plant controls is Forty-two Thousand dollars (\$42,000). This price is therefore within the estimated budget and is considered a reasonable price.

We are hereby requesting that the award of the chiller plant controls for the Student Union Addition and Renovation be awarded as a change order to the Contractor for the general construction contract.

Sincerely,

Jimmy W. Eldridge P.E.



Johnson Controls, Inc.
Controls Group
193 Business Park Dr., Suite A-1
Ridgeland, MS 39157
Tel. (601) 957-7159
Fax (601) 957-7172
COR-00091-MC

Proposal: UM – Union Additions and Renovations Plant
Date: August 18, 2016

The Johnson Controls-Jackson, MS Branch is pleased to provide the following quote and scope of work for the UM Union Additions and Renovations Chiller Plant per plans and specs dated February 2015, Addenda. *Please note exceptions and exclusions below.*

Scope of Work Includes:

Controls and Instrumentation

Chilled and Condenser Water Systems

- Networked DDC controls for the chilled and condenser water systems required by the points list prescribed in the project plans.
 - DDC controller with display and enclosure
 - Chiller Enable
 - Command and status relays for pumps
 - Outside Air temp and humidity sensor
 - Chilled and Condenser water temp sensors and wells
 - Isolation Valves and actuators
 - BACNet connection to the Chiller

Networking

- Connection to the existing Johnson Controls NAEs for networking all DDC controls provided in the building
- Integrations
- Programming

Exclusions:

- Installing any controllers, devices, or components not provided by Johnson Controls, Inc. (Unless listed above in the scope of work)
- Providing or installing controls for temporary construction operations.
- Providing labor for site cleanup work other than JCI or JCI subcontractors
- Providing or installing Smoke/Fire/Combination dampers and actuators.
- Power wiring – 120V and above.
- Fire Caulking
- Overtime labor – all work to be done during regular business hours. (JCI will work overtime if JCI is behind schedule or delaying others)
- Access doors or dampers.
- Mechanical system manual thermometers.
- Installation of valves and immersion wells.
- MS Contractors Use Tax
- Commissioning or programming of other systems not provided by JCI.



Johnson Controls, Inc.
Controls Group
193 Business Park Dr., Suite A-1
Ridgeland, MS 39157
Tel. (601) 957-7159
Fax (601) 957-7172
COR-00091-MC

<i>Price</i> ----- <i>\$42,000.00</i>

JOHNSON CONTROLS, INC.

A handwritten signature in blue ink that reads "Jeff M. Fracchia".

Signature

Name: Jeff M. Fracchia, P.E.
Title: Account Rep. - Installation Sales
Date: August 18, 2016