



Building Systems Integration

Company:	Beeville ISD – A.C. Jones H.S.	Job Name:	Controls System Installation – A.C. Jones High School
Address:	201 N. Saint Marys Beeville, TX 78102	Address:	1902 N. Adams Street Beeville, TX 78102
Contact:	Mr. Erasmo Rodriguez		
Phone No.:	361-549-0092	Date:	11/20/2018
E-mail:	Erodriguez2@beevilleisd.net	Proposal:	18-1120AB

TDIndustries, Inc. is very pleased to have the opportunity to provide pricing for the Building Automation, HVAC Control, Systems Integration system for the project in accordance with the scope of work below.

Proposal for the Following Building Management System for A.C. Jones High School

Installation of a **Tridium based open protocol non-proprietary BACnet system** which allows for future expansion by other vendors, with the following features.

- Remote web-based connectivity from any PC web browser
 - User friendly 3-D floorplan graphics for monitoring and adjusting:
 - VAV**
 - Temperature set point
 - Air-flow set point
 - Space temperature set point
 - Discharge air temperature
 - Heating status
 - AHU**
 - Fan status
 - Fan speed
 - Duct static pressure / set point
 - Leaving air temperature
- And other points

Installation Scope of Work:

- Install JACE 8100 and panel-mount PC workstation in enclosure in room 703. Connect to Customer's Network. Customer to furnish IT connection point in room 703.
- Furnish and install BACnet MSTP wiring to connect (4) existing Trane AHU's with UC600 controllers to new JACE.
- Remove (57) existing VAV controllers and replace with new BACnet VAV controllers. Existing communication cabling to be abandoned-in-place.



- Furnish and install new discharge air temperature and space temperature sensors for (57) VAV terminals. Reuse existing sensor cabling for space temperature sensors. Up to (10) Space Temperature sensors shall be furnished with set-point adjustment capability.
- Furnish and install new BACnet MSTP wiring to connect (57) VAV controllers to new JACE.
- Commission and validate system.
- Furnish Niagara N4 workstation software.
- Develop graphics for (4) Trane AHU's and (57) VAV terminals. 3-D floor plan graphics are included.
- Provide 8 hours training.

Price: _____ **\$ 89,720.00**
PRICE DOES NOT INCLUDE SALES TAX

Thank you very much for the opportunity to provide pricing for the work listed above. Please contact me at the one of the numbers listed below if you have any questions or need further information.

Respectfully submitted,

Matt Nolen
Business Development Manager
Matt.Nolen@TDIndustries.com
210-422-5924



Clarifications

- Control wiring shall be run using plenum rated cable in concealed accessible locations and in conduit where exposed.
- A single 120 VAC circuit will be required in mechanical room 703. This proposal includes conduit and wiring from a circuit panel in the adjacent electrical room 703A.
- This proposal contains **Proprietary Information** and is considered **Confidential** and shall not be shared with any other Organization outside of the Client for which this proposal was created for and referenced above.
- This proposal is based on performing communication cabling and VAV retrofit work after normal working hours. All other work shall be performed during normal business hours and at normal wage rates paid by TDIndustries, Inc. unless specifically noted otherwise in the Scope of Work.
- Proposal is inclusive of all permits and inspections as required by local and state agencies for this Scope of Work.
- All pricing is based on award of contract and commencement of work not later than 60 days from the date of this proposal. Pricing subject to review after 30 days from the date of proposal.
- TDIndustries, Inc. assumes no responsibility for the quality or performance of any existing systems, hardware, software, or mechanical devices. Defects in the existing building systems will be noted and reported if/when possible.
- TDIndustries disclaims any responsibility for incorrect data, errors, or omissions contained in the plans and/or specifications.
- Proposal is based on unrestricted use of building elevators.
- This proposal is based on the assumption that the building owner, architect, and/or engineer will provide all electronic AutoCad files to TDIndustries, Inc. at no cost.
- Equipment manufacturers, Vendors, and Subcontractors not hired directly by TDIndustries must furnish open protocol communication interfaces as specified. TDIndustries requests an opportunity to review the submittals of these parties' products prior to release of their equipment.

Exclusions

- Mechanical equipment not identified on the drawings.
- Installation of automatic dampers or pipe mounted devices such as control valves, flow meters, and sensor wells
- Furnishing, installing, interlocking or wiring Fire/Smoke Dampers or Smoke Detectors
- Motor Starters, HOA Switches, or Contactors
- Variable Frequency Drives
- High voltage (120v and greater) power wiring, unless otherwise noted in scope of work above.
- Network drop, static IP addresses and verification of TCP/IP connectivity (Owner to provide).
- 120 volt UPS emergency power circuits for the building DDC control panels.
- Workstation PC and/or Printer (Owner to provide unless noted otherwise in scope of work above).
- Demolition of existing equipment or components unless otherwise noted in scope of work above.
- Temporary heating or cooling.
- Sheetrock or concrete cutting, removal or patching of any nature.
- Painting or patching of any nature.
- Ceiling removal or replacement.
- Asbestos abatement or disposal of hazardous waste.
- After hours labor. All work for the scope of work above is assumed to be during normal working hours.
- Preventive and required maintenance during first year unless noted in scope of work above.



LIMITED WARRANTY

1	EQUIPMENT, GOODS, MATERIAL PURCHASED AND INSTALLED BY TDINDUSTRIES: TDIndustries, Inc. shall use its best efforts to obtain from each manufacturer, in accordance with the manufacturer's warranty (copies of which will be furnished upon request) or customary practice, the repair or replacement of equipment, goods, or material that are defective in material or workmanship. The foregoing shall constitute the exclusive remedy of the customer and sole obligation of TDIndustries, Inc. THERE ARE NO WARRANTIES, EITHER WRITTEN OR ORAL, IMPLIED OR STATUTORY RELATING TO THE EQUIPMENT, GOODS, OR MATERIAL, PROVIDED WHICH EXTEND BEYOND THAT DESCRIBED IN THIS PARAGRAPH. NO IMPLIED STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY.
2	Workmanship - Repair Installation - TDIndustries, Inc. warrants its workmanship to be free from defects for a period of 12-months from the date of completion of the above equipment, goods, and material. Sewer and Drain Cleaning - TDIndustries, Inc. warrants its workmanship for sewer and drain cleaning for a period of 24 hours from the date of completion. Any foreign material retrieved from sewer or drain will discharge warranty and incur additional costs for clearing stoppage.
	This proposal is submitted for customer's consideration with the understanding that it must be approved by TDIndustries, Inc. after its acceptance by the customer and is not binding upon TDIndustries, Inc. until so approved in writing.
	Your acceptance of this proposal is expressly limited to the terms of this document. Any additional or different terms or conditions set forth in your purchase order or in any similar such communication are hereby objected to by TDIndustries, Inc. and shall not be binding nor effective unless assented to in writing by an authorized representative of TDIndustries, Inc. Any order or any statement of intent to proceed with installation or any direction to proceed with installation or acceptance of this proposal or payment in full or part for any of the work or equipment furnished shall constitute customer's assent to the terms and conditions of this proposal.
	THIS PROPOSAL IS EXPRESSLY CONDITIONED UPON THE TERMS AND CONDITIONS CONTAINED OR REFERRED TO HEREIN, INCLUDING THOSE CONTAINED IN ANY ATTACHMENT HERETO.

STANDARD TERMS AND CONDITIONS

	THIS PROPOSAL IS EXPRESSLY CONDITIONED UPON THE TERMS AND CONDITIONS CONTAINED OR REFERRED TO HEREIN, INCLUDING THOSE CONTAINED IN ANY ATTACHMENT HERETO.
1	TDIndustries, Inc. liability or any claim for loss or damage arising out of this contract or from the performance or breach thereof or connected with the supplying of any labor, equipment, goods or material hereunder, or their sale, resale, operation or use, whether based on contract, warranty, tort (including negligence) or other grounds, shall not exceed the price allowable to such labor, equipment, goods or material, or part thereof involved in the claim. TDIndustries, Inc. shall not, under any circumstances, be liable for any labor charges without the prior written consent of TDIndustries, Inc. TDIndustries, Inc. shall not, in any event, be liable, whether as a result of breach of contract, warranty, tort (including negligence) or other grounds, for special, consequential, incidental or penal damages including, but not limited to, loss of profits, revenues, loss of the product or any associated product, cost of capital, cost of substitute products, facilities or services, downtime costs or claims of the Customer for such damages. If TDIndustries, Inc. furnishes Customer with advice or other assistance which concerns labor, equipment, goods, or material furnished hereunder, or any systems or equipment in which of such equipment, goods, or material may be installed, and which is not pursuant to this contract, the furnishing of such advice or assistance will not subject TDIndustries, Inc. to any liability, whether based on contract, warranty, tort (including negligence) or other grounds.
2	If TDIndustries, Inc. encounters asbestos, polychlorinated Biphenyl (PCB) or other hazardous substances on the site, TDIndustries, Inc. will stop work and report the condition to the owner or owners' representative. TDIndustries, Inc. will not resume work in the affected area until the asbestos, PCB's or other hazardous substances have been removed or otherwise controlled so that it does not pose a health or safety threat.
3	Any installation dates given in advance are estimated. Installation will be subject to prior orders with TDIndustries, Inc. TDIndustries, Inc. shall not be liable for failure to perform or delay in performance hereunder resulting from fire, labor difficulties, delays in usual sources of supply, major changes in economic conditions, or, without limitation by the foregoing, any cause beyond TDIndustries, Inc. reasonable control.
4	On arrival of any equipment, goods and material at the shipping address specified on the reverse side hereof, Customer shall assume all risk or loss or damage to such equipment, goods, or material.
5	In the event Customer requires TDIndustries, Inc. to delay shipment or completion of the work under this proposal, payment pursuant to this proposal shall not be withheld or delayed on such account. TDIndustries, Inc. shall have the right to deliver any portion of the equipment, goods or material to be furnished hereunder and to bill Customer therefore, and Customer agrees to pay for the same in accordance with terms of the payment hereof upon notification that such shipment is ready for delivery, notwithstanding the fact that Customer may be unable to receive or provide suitable storage space for any such partial delivery. In such event, such portion of the equipment, TDIndustries, Inc. may store goods or material ready for shipment at Customer's risk and expense.
6	The amount of any past, present or future occupation, sales, use, service, excise or other similar tax which TDIndustries, Inc. shall be liable for, either on its own behalf or on behalf of Customer, or otherwise, with respect to any equipment, goods, material or service covered by this proposal, shall be in addition to the prices set forth herein and shall be paid by Customer.
7	If the equipment, goods or material furnished hereunder requires the use of water or steam, recirculated or otherwise, TDIndustries, Inc. shall not be liable for the effect of its physical or chemical properties upon said equipment, goods or material.
8	All skilled or common labor which may be furnished by the Customer shall be considered and treated as Customer's own employees, and Customer agrees to fully protect and indemnify TDIndustries, Inc. against all claims for accidents or injuries to such employees in the course of the work, or to any person or persons through the negligence of such employees.
9	No oral representations are binding upon TDIndustries, Inc. unless reduced to writing and signed by an authorized representative of TDIndustries, Inc. All changes to this contract must be in writing.
	Revised 05-09-2008