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THOMAS COLLINS BAS AND COOLING TOWER REPLACEMENT  
OMB/DFM CONTRACT #'S MC1002000368  
ADDENDUM #2

QUESTIONS

- A. Is it the State of Delaware's intent that the new building automation system be Tridium based with a JACE supervisory controller?  
**The new system must meet the project specification.**
- B. If yes, is the newly installed BAS to connect to the State's N4 BAS server?  
**If a Tridium based system is provided this system will connect to the State's Niagara 4.x server.**
- C. Specifications 230950 1.03 B states the BAS contractor shall provide Variable Frequency Controllers for all equipment identified as having a Variable Frequency Controller. Please confirm that the BAS contractor is responsible for furnishing the new cooling tower VFD.  
**The controls contract is to provide the VFD. The VFD is to be mounted into a control box (control box provided by Cooler vendor) as indicated in specification section 23 65 33 section 2.07. Please note it is also anticipated that any low voltage (control wiring) on the cooler is to be completed under this contract.**
- D. Please confirm the BAS contractor is not responsible for installing the new cooling tower VFD.  
**The controls contract is to provide the VFD. The VFD is to be mounted into a control box (control box provided by Cooler vendor) as indicated in specification section 23 65 33 section 2.07. The intent is that the BAS contractor provide the VFD in accordance with sections 23 09 50 and 23 09 69, and that the cooler be fully operational at the end of the project.**
- E. Please confirm the existing heat pumps do not require new control valves.  
**The existing heat pumps do not require new control valves under this contract.**
- F. Please confirm, other than network wiring, existing conduit and wire can be reused.  
**Specification section 23 09 50 section 3.04 provides guidance on this question. However, the drawings indicate that new ATC communication lines are to be run to the new controllers on all of the heat pumps, boilers, pumps, exhaust fans, cooler, etc.**



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G. Section 23 65 33 3.02 instructs us to install cooler on structural steel beams. What size are these beams to be?

**The structural steel beams shall be W8x40 cut to length of tower.**

H. The M-300 drawing indicates a new 6” maintenance by-pass. Is this to be installed prior to the cooler?

**Yes, the intent is to minimize downtime. The contractor shall install the maintenance by-pass, the isolation valves, and new air vents over a weekend so that the loop can be maintained while the tower is being installed. This weekend shall be coordinated with the project team.**

I. Section 23 25 00 1.04 indicates only one water treatment provider. Are there more?

**Yes, recently the State has included the following vendors on State contract:**

- **Klenzoid, inc – 1 800 825 9495**
- **Syntec – 1 800 829 2837 or 302 421 8393**
- **Limbach – 215 488 9700**

J. End of Addendum #2

1. This document 2 pages

Summarized By: DEDC, llc  
John R. Farina, P.E.  
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