

QUESTION:

1. If this project runs into next years (2014) cooling season for unforeseen reasons will there be temporary cooling required? *See General Sheet Notes on drawings.*
2. Are Johnson Controls the only manufacture that is allowed for the controls package. *See General Notes and Conditions on drawings.*
3. Is the existing chilled water system filled with propylene glycol? If so who is responsible for the additional glycol, drain down, and system fill? *No.*
4. What type of refrigerant is in the two existing chillers scheduled for demo? *R-11*
5. Who is responsible for refrigerant reclaim? *Contractor is responsible for Refrigerant reclaim.*
6. Where on the site will the Temporary Chiller sit? How much temporary piping will be required? *The temporary Chiller will sit outside the chiller plant, unless otherwise noted by the VA. Contractor to assume 300' of temporary piping based upon the temporary chiller position noted above.*
7. Detail 3/M-501 Note 5 states that for pipe sizes over 6" the only approved pipe joining method is welded pipe with flanges. This note is in direct conflict with spec 23 21 13/2.3B which states that it is the contractor's option whether to use grooved mechanical couplings, welded, or flanged joints. Please confirm which pipe joining method will be acceptable on this project. *Grooved mechanical couplings will not be acceptable on the chilled water piping for this project.*
8. Detail #1 on 1S-M-602 shows a 12" butterfly valve between CHWP-2 and CHWP-3. Shown prior to drop at CHWP-2 in the 8" line. Also, Detail #2 indicates 12" header extending out past the drop to CHWP-2, but floor plan shows a reducer and valve before drop to CHWP-2. Please clarify. *The new chilled water header shall be 12" as shown on drawing M-602, phase 3 with all butterfly valves between chillers and pumps taps to be the size of the main. No reductions of the mains are to be accomplished.*

9. Phase 3 Scope of Work on 1S-M-602 calls for a 12" valve in the thermal bridge piping which is not shown on the floor plan on 1S-M-103. Please clarify as to what type of valve is required. *The thermal bridge valve is shown on the 14" existing chilled water header. The control valve shall be a globe type valve.*
10. Phase 2 Scope of Work on 1S-M-602 calls for four (4) DPS to be installed 2/3 down each leg of the chilled water system. Will the engineer locate these points? If not, will as-built drawings be available to help ascertain the locations? Will these locations be located in areas where the work will have to be done during off hours? Please provide piping detail. *The winning contractor shall be provided with as-builts to determine the installation location of the differential pressure switch. Contractor to assume that installation of these valves shall be accomplished during off-hours.*
11. Scope of Work for Phase 3 on 1S-M-602 makes no mention of CHW Pump 1S-P3a or its Variable Frequency Drive. Please clarify. *Contractor to install chilled water pump 1S-P3a as scheduled per phase 3.*
12. The three (3) chilled water pump variable frequency drives (VFD's) are not shown on floor plans until Phase 3 (1S-M-103). Is this correct? *Contractors to install VFD's with their respective pumps during the installation of the pumps.*
13. Drawing 1S-M-600 has a schedule for a 12" air separator which is not shown anywhere on the floor plans. Please clarify as to where it is to be installed and under which phase. If required, please provide piping detail. *The 12" air separator will be installed on the 12" CHWR line downstream of the temporary chilled water tie-in.*
14. Phase 3 Scope of Work on 1S-M-602 calls for a new flow meter between inlet and discharge of SCHWP-P4A and P4B. However, these pumps are being removed. Please clarify as to where the flow meter is to be installed. *The flow meter is to be installed within the straight length of 12" CHWS line which was pumps 1S-P4A & B inlet piping during phase 2.*
15. Does the existing system have glycol? If so, can it be drained to the sanitary system or will it need to be disposed of offsite? *No.*
16. Please clarify emergency exhaust duct is being removed and new ductwork installed at the end of the project (old ductwork cannot be reused). *The emergency exhaust duct within the chiller plant is shown to be removed to facilitate installation of the new header and chillers. The system upon completion is required to be functional.*
17. Is there a laydown / storage area available on site? Where would this be in relation to the jobsite? *Laydown and storage area near the construction area will be limited to the daily material requirements, unless otherwise directed by the CO.*

18. What is the availability to stop traffic through the underpass area for the moving in and out of equipment through the overhead door? Are we limited to a certain time of the day for activities that would impede traffic through this area? *Contractor to coordinate with the CO to determine reduction and/or elimination of traffic through the underpass.*
19. Per General Note #19 on sheet 1S-M-001 it states that the contractor is to provide 2 coats of enamel paint on all walls of Mech Room BB117. Per the plan sheets it is difficult to determine where the limits of room BB117 begin and end. Can you provide an updated drawing which clearly delineates the limits of Mech Room BB117 or a written square foot quantity of walls to be painted? *The perimeter of the Mech Room BB117 is approximately 650 ft. Contractor to use this perimeter length to determine paint area, based upon a height of 13'.*
20. Per General Note #20 on sheet 1S-M-001 it states that "All new controls and chiller plant optimization software shall be provided by Johnson Controls..." Will Johnson Controls be the sole source vendor for this project's HVAC control system? *See General Notes and Conditions on drawings.*
21. Piping note #11 on sheet 1S-M-001 states that all of the existing and new chilled water piping shall be insulated with 2" fiberglass insulation with aluminum cladding. The project plan sheets do not indicate the limits of work for the piping insulation. Furthermore, the existing plan set makes it difficult to ascertain the quantity and sizes of the existing chilled water pipes. Please clarify if all of the existing chilled water pipe insulation is to be removed and reinsulated. If the all of the existing pipe is to reinsulated can you provide a plan sheet that clearly shows the existing piping arrangement as well as the limits of pipe insulation? *The project encompasses all the chilled water piping located in the chiller plant. The contractor is to provide 2" of insulation on all the chilled water piping (new and existing) as well as removing all existing insulation on the chilled water piping not modified during construction.*
22. Piping note #12 on sheet 1S-M-001 states that the contractor is to provide color coded jackets on all piping systems located in the mechanical rooms. Please indicate the specification section where the product requirements for the colored jacket may be found. Furthermore, can plans be provided that better indicate the quantity and type of piping systems contained within the mechanical rooms in order for the contractor to better ascertain the scope of work that is to be provided? *All piping to be marked with by either Pressure Sensitive vinyl makers or Snap-on Coil plastic markers. Plastic Tape shall be pigmented vinyl plastic film in the following colors unless otherwise directed by the Contract Officer.*
- Chilled Water: Green background with Black Lettering*
Condenser Water: Blue Background with Black Lettering
Steam: Red Background with Black lettering
Steam Condensate: Yellow Background with Black Lettering
23. The Bid Package request Two 500 Ton Chillers designed for 30% Propylene Glycol. The current chillers are not designed for glycol and the two remaining chillers are not designed for glycol. The Chilled Water Media used will affect the chiller selection. Can you verify if you would like the new chillers to be selected with 30% Propylene Glycol or stay with current design Water?

Contractor to bid the chillers per plan and specifications unless otherwise notified by the VAMC Contract Officer.

24. The Bid Package does not state Warranty Requirements. The Chillers are shipped with a Standard 18 Month Warranty. However, an optional 5 Year Parts and Labor Warranty is available. What warranty do you require. *Contractor to provide optional 5 year parts and Labor Warranty for all new equipment.*
25. Will the VA reclaim any Glycol in the system during construction or will it become Contractor's property? *Contractor to reclaim and properly dispose of the glycol and chilled water drained from the system during construction, unless otherwise notified by the VAMC Contract Officer.*

RESPONSE: Refer to above in *italized Red*.