

Phase II RFI's  
Replacement of Water Valves  
VA248-17-R-0909

1. Need specs on valve actuators and valves, need to know following info:  
Existing valves are as follows: "Fisher House" and "Cooling Tower" valves are Keystone Figure 222 12" Lug Style Butterfly Valve with a 24 inch stem extension with a Keystone EPI-2 Actuator. "Water Tower" valve is Keystone Figure 222 12" Lug Style Butterfly Valve with a directly bolted Keystone EPI-2 Actuator. Basis of design to replace existing valves with similar.
  - a. Need pressure rating of valves required
  - b. Need materials of construction (disc material, seal material)
  - c. What voltage are valves powered by (120V?)
  - d. What is the input control signal?
  - e. Are the valves 2-position modulating?
  - f. Spring return or non-spring return (do they want them to fail in a certain position?)
  - g. Is there a specific brand and/or model of valve and/or actuator they want? If not will any good quality NEMA 4 rated actuator be accepted?
2. Will the VA close valves that will isolate the valves to be replaced?  
Contractor is responsible for isolating valves to be replaced. See attached drawing showing locations of valves in system.
3. How will the piping be drained to allow valves to be replaced?  
Drains are not installed in the system.
4. Do they have a procedure to insure that contaminants from doing the valve change don't get into the domestic water piping (ie. Are there strainers or filters in place, is there a means of flushing the piping to prevent anything from entering the domestic water

system?

Contractor is responsible for maintaining clean interior surfaces of exposed piping.

5. Is all work on straight time?

Yes.

6. Area will need to be excavated at the South & Fischer House locations will fill be able to be stored at the valve site?

A small area will be available at each location for excavated fill storage. It is contractor's responsibility to restore the area at completion of project.

7. Temporary Fence will need to be erected around each excavation location, This will block pedestrian & possible auto traffic, will this be permitted?

Protection of work site is permitted. Fencing it to be erected in a manner that provides protection to the site while minimizing pedestrian and auto traffic to greatest extent feasible.

8. If traffic is blocked will the contractor need to supply traffic routing or will the VA supply?

It will be the contractor's responsibility to provide all labor and materials to complete the work.

9. For the three valves (Cooling Tower Valve, Fisher House Valve and the Water Tower Valve) please provide all information on file (e.g.- manufacturers names and model #'s, electrical requirements, and any drawings for each of the three valves and their motorized actuators.)

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10. In what order (first, second, third) should these three valves be removed and replaced?

Work to be coordinated with Plumbing Shop Supervisor.

11. Any earth-fill areas under the piping and valve that we disturb will have to be backfilled. Will compaction test be required for backfill?

Work is to be done in accordance with VA Master Specification Section 31 20 00 EARTHWORK.

12. Please provide the information for the electrical characteristics of the existing wiring in the vault

Valve motors operate on 120V. From the manufacturer's website: Analog control modules

offer 4 to 20 mA and 0 to 10 VDC input/output. Complete with additional output relays and monitor relay.

13. On these valves, has it been identified that there are “sufficient” locations to isolate water pressure to the valve being replaced without significant impact to the VA? Or does work need to occur on a weekend?

Work will be able to be accomplished during normal business hours.

14. When valves are replaced, does chlorination and water testing need to be performed?

This information is not currently available, but will be provided at such time as it becomes available.