

**STATEMENT OF WORK**  
**B-1 INSTALL (2) NEW CW PUMPS**  
**Bonham, TX**

Contractor shall provide labor, supervision, material and material to install (2) two new chilled water booster pumps & frequency drives, to match existing, in the basement of B-1 at the VA North Texas Health Care System, Sam Rayburn Memorial Veterans Center, 1201 East 9<sup>th</sup> Street, Bonham, Texas, 75418. All pumps shall be properly secured to their pads. The existing pump assembly shall stay online until (1) one new pump assembly is operational. The old pump assembly may then be replaced. These pumps shall be aligned. Both pumps shall have new ABB frequency drives installed. Contractor shall install, on both pumps, new balancing valves, gauges, thermometers, new braided stainless steel flex lines and reinsulate all chilled water lines to match existing. Contractor shall secure the chilled water flow on the supply and return lines. Downstream of the butterfly valves towards the pumps place sufficiently sized holes to place ½ welded fitting on piping with ½ inch ball valves and ½ inch auto air bleeders. A ball valve to match existing shall be installed on the new pumps piping to act as a bypass.

A chilled water outage shall be scheduled by VA 2 weeks in advance to tie in the new chilled water piping to existing. This outage must be scheduled for a Saturday. Contractor shall provide and install (3) spot coolers in B-1 room 174 Pharmacy. Access to the pharmacy shall be after 8AM and work must be completed by 8PM. This will provide temporary air conditioning and prevent medication loss. Contractor shall remove an existing door and alarm hardware. Place plywood in its place with cut holes in plywood to allow hook up of flex duct. This plywood shall be installed in such a way that the door jamb would not be damaged. This will vent the condenser air into the hall. Contractor shall be responsible for dumping the condensate water container into a nearby sink. Upon completion reinstall door hook up alarm hardware and wiring. **Clean up area as required.**

A written startup report shall be provided to the Contracting Officer Representative (COR). An outage, if required, will be scheduled after hours for utilities hook ups. Factory authorized ABB start up is required. Siemens will be required to build new graphics and tie the new pumps into the existing differential pressure controls on our Apogee network. Siemens will also assist in setup and startup. These pumps will require alignment, all associated electrical piping, frequency drives with Siemens programming and associated isolation valves and piping. Labeling of new power supply shall match existing. **This is a TURN KEY JOB.**

This work is located in Building 1 basement at the VA North Texas Health Care System, Sam Rayburn Memorial Veterans Center, and 1201 East 9<sup>th</sup> Street, Bonham, Texas 75418. The work shall consist of:

1. Install #1 properly sized chilled water booster pump and frequency drives on new pad. This is to include all electrical, labeling, pipe fittings and pump alignment
2. Siemens shall program and sequence this new pump to run as #1 Chilled Water Pump. The existing pumps replacement shall be labeled #2 and programmed to work off our Apogee EMS
3. Perform factory start up. Document on start sheet
4. Replace existing #2 chilled water pump and align
5. (see step 3)
6. Test all repairs and programming
7. Note: two separate startups , one for each pump shall be preformed

8. Provide Performance test data to COR

**All equipment and materials require submittals and will be reviewed by the VA staff. Upon VA approval the contractor may proceed with procurement. Provide 1 year parts and labor warranty.**

**CONTRACTOR RESPONSIBILITIES:** The Contractor shall exercise extreme care to avoid damaging Government property such as buildings, equipment, trees, shrubs, or turf. Any damage to Government property by the Contractor shall be repaired by the Contractor to its original condition at no additional cost to the Government. The contractor shall restore ALL disturbed grounds to existing conditions. The Contractor shall ensure that all materials are new, free from defects, imperfections and asbestos free (NO ASBESTOS CONTAINING MATERIALS SHALL BE USED ON THIS PROJECT).

**SCHEDULE OF WORK:** The Contractor shall notify Mr. Earl Stoyer, Engineering Building 9, phone: (903) 583 6378, prior to start of work. The Contractor shall schedule work through the designated COR. The Contractor shall coordinate work with COR NLT 3 days before starting work. Work shall be complete with-in 90 days of work start. Other contractors may be working in the same area performing other work. The contractor shall execute work in a manner so as not to impede other contract work.

**HOURS OF WORK:** The normal hours of work are 08:00 to 16:30 Monday through Friday. Work shall be performed during normal work hours. Work to be performed in other than normal hours shall be approved by the Contracting Officer's Representative.

**WORKMANSHIP:** All work under this contract shall conform to the standards of these specifications. The Contractor at no additional cost to the Government shall correct work not meeting these specifications. Work shall be accomplished by mechanics skilled in the trade.

**DAILY PROGRESS REPORTS:** The Contractor shall provide on a daily basis and no later than 9:00 AM, a progress report of work accomplished the previous day to the COR located in Bldg. 9.

**WORKING CONDITIONS:** The buildings and the surrounding site areas will be occupied and Government operations will continue on a normal, temporary or restricted basis for the duration of the contract. The Contractor shall take all precautions to ensure that his operations are conducted in a manner so as not to interfere with the normal operation of surrounding facilities. The Contractor shall execute work in a safe manner and shall not subject personnel to unsafe conditions. The Contractor shall provide safety barricades, devices, and equipment to protect personnel and property and repair damage caused by construction operations. Take all precautions to protect the building and its occupants during the construction period.

**BADGES:** All Contractors are required to sign in at Building 11 (Boiler Plant). Visitor's badges will be obtained and worn at all times.

**SITE VISIT:** A site visit will be conducted at the VA North Texas Health Care System, Sam Rayburn Memorial Veterans Center, 1201 East 9<sup>th</sup> Street, Building 11, Bonham, Texas, 75418, on Thursday, March 23, 2017 at 10:00 am C.S.T. The point of contact is Mr. Earl Stoyer, telephone number (972) 655-6067.

**DISPOSAL:** Disposal of materials removed under this contract at an approved disposal site in accordance with all local, state, and federal laws, regulations, and guidelines are the Contractor's sole responsibility. The contractor shall adhere to all OSHA requirements concerning removal, transporting, and disposal of the material. **Material may be disposed of in approved containments. See the Contracting Officer Representative (COR) for further information.**

**CLEAN-UP:** The Contractor shall keep the area neat and tidy and free of debris at the end of each workday.

**SAFETY AND FIRE:** All fire and safety rules and regulations are applicable; NFPA and SBCCI dated 1999. The Contractor shall comply with EM385-1-1 dated 1987 for minimum safety requirements. The Construction Safety Guidebook (VHA Center for Engineering & Occupational Safety & Health) shall be followed. A site specific safety plan must be submitted by the contractor and approved before a preconstruction meeting can be scheduled.

**PERMITS:** The Contractor shall be responsible for obtaining any licenses and permits and complying with any laws, codes, and regulations applicable to the execution of this work as required by Federal Government the State of Texas

### Safety Criteria as Applicable

- 1. Identify the VA COR over project
- 2. Identify the contractor employee holding the OSHA 30 Hour Card. (The card needs to be carried while on site and no work will be performed unless their 30 hour cardholder is on location.)
- 3. Identify that all other employees will possess an (OSHA 10) Hour Card when working on site. Spot checks will take place.
- 4. Identify PPE that will be worn. At a minimum, hard hat and safety glasses will be worn at all times when inside the construction zone.
- 5. Contractor will provide a gas analyzer for confined space and a company log will be filled out and maintained each day. Contractor will contact safety each day prior to entry. Contractor is responsible for providing their own two- way- radio utilized in Confined Space Operations. Operators are to verify radio communication prior to entry.
- 6. Provide plastic barriers and or utilize a HEPA cart when removing ceiling tiles for construction or demolition. Provide tacky- mats outside of barrier walls of construction site.
- 7. All equipment used must be inspected by contractor prior to use each day and documented on a daily Equipment Inspection Log provided by the contractor.
- 8. Contractor will provide an ABC fire extinguisher while on site.
- 9. A Hot Work Permit will be requested from the contractor to VA Safety Service prior to any Torch work /Welding or grinding operations.
- 10. Where equipment is being utilized on the ground level, a fenced in area should be provided with construction signage posted. While equipment is in motion, an observer must be present to protect pedestrian and vehicular traffic.
- 11. Area within building must be kept secured and construction signage posted at all times.
- 12. A Scope of the Project is required identifying start and estimated completion dates.
- 13. Identify who and how contact will be made in case of an emergency or injury. Designate where an injured employee will go to obtain medical care.
- 14. The contractor shall restore ALL disturbed grounds to existing conditions.
- 15. All crane operations shall have an approved Safety Plan in place prior to a lift. (All plans need to be pre- approved by the facility Construction Safety Officer).
- ALL ITEMS
- 16. ALL items discussed above are to be addressed in the Safety Plan and should be provided to and approved by the facility Construction Safety Officer in Safety Service prior to work being initiated.
- 17. Identify all chemicals to be used in the scope of the project and provide a Safety Data Sheet on each product. These need to be submitted as part of your Safety Plan.
- 18. All work shall be in accordance with current NFPA 101 Life Safety Code, Local and National Building Codes. As well as all OSHA and VHA Occupational Safety and Health Standards.
- A preconstruction meeting shall be held in B-9 conference room.