United States Department of Agriculture
Agricultural Research Service

STATEMENT OF WORK

Replace 3 Roof Mounted Air Handling Units, Repair one Air Handling Unit and Repair one Chiller B-1

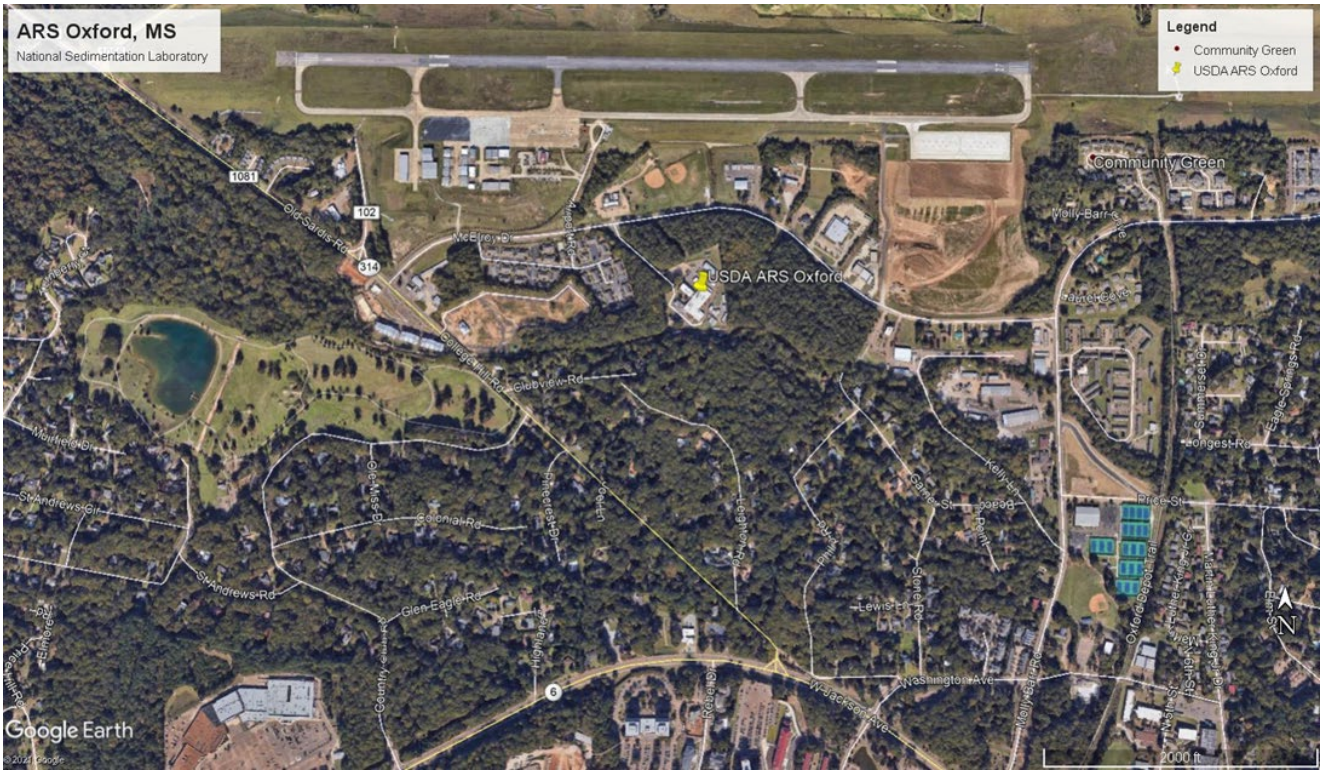
Asset ID 640800B001

National Sedimentation Laboratory
Oxford, MS

Prepared by: Darren Middleton.
March 2026

STATEMENT OF WORK
Construction

PROJECT: Project Title: "Replace 3 Roof Mounted Air Handling Units, Repair one Air Handling Unit and Repair one Chiller B-1" at the USDA, ARS, National Sedimentation Laboratory at Oxford Mississippi



2.0 PROJECT CONTACT PERSONS:

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3.0 SCOPE OF SERVICES:

The Contractor shall provide all professional services necessary for the accomplishment of the contract project and such required services shall be in accordance with requirements as described herein.

a. The Contractor shall provide services for the following tasks marked by an "X":

[X] Provide a technical proposal and cost proposal to complete the project as per project requirements.

[X] Provide information for 3 reference projects with similar scopes of work along with contact information for each project.

[X] Complete the project as per project requirements.

4.0 PROJECT REQUIREMENTS:

The Contractor shall furnish reference projects, a technical proposal, and a cost proposal for "Replace 3 Roof Mounted Air Handling Units, Repair one Air Handling Unit and Repair one Chiller B-1" at the USDA, ARS, National Sedimentation Laboratory at Oxford Mississippi. The project is located at the USDA ARS National Sedimentation Laboratory, 589 McElroy Drive, Oxford, MS 38655.

a. The Contractor will work with site personnel to ensure project is accomplished in a timely manner.

b. Davis Bacon Wage Rates apply to all construction contracts in excess of $2,000. Employee payroll logs for the project will be required to verify wage rates are being adhered to.

4.1 BID SCHEDULE:

a. The Base Bid shall include all work described in 4.2 Description of Work**.**

4.2 DESCRIPTION OF WORK:

4.2.1 Background and Objective – Building 1 has three roof mounted AHUs systems, 1 interior mounted first floor AHU and one roof mounted chiller that provide heating and cooling to Building 1 that are damaged and are need of repair or replacement. These systems are currently inoperable. Due to the approaching summer months, timely replacement is imperative. The objective of this project is to replace 3 roof mounted AHU, repair the coils in the interior mounted AHU, and replace the coils in the chiller and accomplish the work in a timely fashion as the absence of these systems will render these parts of the building uninhabitable.

4.2.2 Base Bid:

The AHU replacement work shall consist of the following:

- Removal, disposal, and replacement of 3 existing York roof mounted units with units of equal capacity that are compatible with the respective existing chiller and heating water systems.
- Capture refrigerant during demolition.
- Replace Curb Adapters.
- Replace Thermostats.
- Install new Trane Performance Climate Changer (or approved equal) AHU to include all necessary plumbing, pipe insulation, and electrical work
- After installation of new AHUs, charge systems with refrigerant to manufacturer recommended pressure.
- Leak check circuit and charge to the name plate.
- Provide all necessary materials handling systems and personnel to remove and replace units on roof
- Provide 1 year parts and labor warranty.

The interior Trane AHU coil replacement work shall consist of the following:

- Removal and disposal of existing damaged coils in the Trane AHU
- Install Trane replacement coils to match the existing system
- Replace Refrigerant in condenser to manufacturer recommended pressure.
- Leak check circuit, charge to the name plate, and perform startup.
- Provide 1 year parts and labor warranty.

The Trane Chiller repair to coils work shall consist of the following:

- Removal and disposal of existing coils
- Install new direct replacement coils which are compatible with the existing system
- Replace Refrigerant in condenser to manufacturer recommended pressure.
- Leak check circuit, charge to the name plate, and perform startup
- Provide 1 year parts and Labor warranty

4.3 Government Furnished Equipment\Services

a. The Government will furnish a reasonable amount of electricity and water.

5.0 <u>GENERAL REQUIREMENTS</u>:

5.1 Permits: Where governing regulations and imposed codes and standards require notices, permits, licenses, inspections, tests, and similar items or actions in order to lawfully proceed with the

required work, the Contractor shall obtain items and take those actions in accordance with the regulations of the governing authority. The costs of such permits, licenses, inspections, etc., are the obligation of the Contractor.

5.2 Site Visit: Bidders are encouraged to visit the site and be escorted by a government representative to confirm locations, dimensions, and conditions of the project before a bid is submitted. The site visit shall be for the purpose of observing firsthand any conditions relevant to the completion of this project. No consideration will be given to claims based on lack of knowledge of existing conditions that are readily observable.

5.3 Registration: Contractor must be registered in System for Award Management, (SAM), and STATUS MUST BE ACTIVE, prior to submitting a bid. Registration can be obtained through: https://www.sam.gov/

5.4 Existing Installations / Demolition: Contractor shall coordinate demolition of existing installations with Owner. All disturbances of existing systems shall be thoroughly coordinated with the Owner to prevent disconnecting equipment that might jeopardize on-going research.

5.5 Quality Control: The work performed under this contract shall be subject to continuous audit by the COR. Quality control is the exclusive responsibility of the Contractor.

5.6 Protection of Work and Property/Safety Requirements:

a. The Contractor shall protect the work, the site, and all existing property and structures within the limits of the construction activities or that may be affected thereby until acceptance of the work. Any damage to property shall be repaired at the Contractor's expense, to pre-damaged condition to the satisfaction of the COR.
b. Safety and health matters, as they relate to the work, are the exclusive responsibility of the Contractor. The Contractor shall furnish, erect, and maintain barricades, warning lights, signs, guards, or take other precautions as may be required to protect pedestrian and vehicle traffic in close proximity to the work.

5.7 Temporary Facilities:

a. Temporary utilities (water and electricity) may be furnished to the Contractor by the Government, if so requested. The Contractor shall maintain and protect all such utilities during the course of construction and shall repair or replace any items damaged through its own negligence.
b. Should the Contractor require any power or utility shutdowns during demolition, the Contractor shall obtain approval for such shutdown from the COR three working days prior to the need.

5.8 Cleanup: The construction site shall be kept clean and free of debris at all times. Restore areas disturbed as nearly as possible to the original appearance and condition. Upon completion of the project, and prior to final inspection, the Contractor shall remove from the premises all unused material, trash, and debris resulting from the work to the satisfaction of the COR.

5.9 Final Payment/Contract Closeout: The following documents are REQUIRED PRIOR TO FINAL PAYMENT (other documents may also be required):
a. Release of liens.

b. Employee payroll\time sheets
c. Invoice

6.0 PROJECT SCHEDULE: The government will provide access to the facility during normal business hours 0800 to 1630 Monday – Friday except federal holidays. The Contract time for this project is 60 calendar days. Notice to proceed shall be issued at the mandatory preconstruction conference.

7.0 PHOTOS:

Figure 1 - AHU 1

Figure 2 – AHU 2

Figure 3 – AHU 3

Figure 4 – AHU 8

Figure 5 – Chiller 1

TRANE