

STATEMENT OF WORK (SOW)
FOR
Cullman (CSMS#2) Diesel Fuel Tank Replacement
IFB Number: AC-24-B-0010-S

The work shall include, but not be limited to all labor, materials, tools, equipment, incidentals, insurance, overhead and profit to perform the work as outlined below:

I. PROJECT INFORMATION GENERAL SCOPE

- A. The Contractor shall provide all plant, labor, equipment, transportation, tools, disposal of materials and all work according to this Statement of Work. Contractor shall field verify locations, sizes and quantities of work required for the project. Perform all work according to this Statement of Work, Federal, State, and International Building Codes (IBC).

II. GENERAL DESIGN & CONSTRUCTION REQUIREMENTS

- A. Verify constructability and suitability of SOW. Contractor shall field-verify all information related to existing conditions, including dimensions, calculations, and code requirements for all elements of work. Contractor is responsible for all remaining design, providing Construction Documents where applicable, and in accordance with both statement and intent of SOW, that are acceptable to the owner. Contractor shall provide all submittals of materials for review, comments, and approvals to the Contracting Officer Representative (COR) & Project Manager (PM) simultaneously, via email.

III. OUTLINE OF WORK

Provide all design, construction, and furnish all labor and materials necessary for the completion of work in this section as described herein:

CSMS #2 – Cullman, AL:

Current General Condition of Site

The existing Above Ground Storage Tank (which will be referred to as “tank”) is a Steel Tank Institute (STI) Fireguard certified tank. The tank is a double wall secondary containment steel tank with insulating material in the annular tank space. This tank is UL rated and listed as an Insulated Secondary Containment Above Ground Tank for Flammable Liquids. The serial number is SG 2900. The tank was built by Brown-Minneapolis Tank in Birmingham, AL. Brown-Minneapolis Tank is no longer in business. The tank use is for storage and dispensing of diesel fuel, though it has been deemed as unusable due to age (~ 30+ years old) and degradation, and it is currently unused.

The tank is a horizontal cylindrical tank mounted on saddles and secured to an existing, raised concrete pad. The outer dimensions of the tank are approximately 6.5’ diameter X 24.5’ in length. The tank is referred to as a 4,000-gallon tank, as this is the maximum volume of diesel the tank is often required to hold. There is a “5066.01” stamp on the tank manufacturer’s plate that may indicate 5,000-gallon capacity, but it is unknown if this stamp relates to a capacity and whether the capacity is a primary or secondary tank dimension.

The tank has equipment (strainers, valves, plumbing, adaptors, and spill containment) to allow for filling and storage of diesel fuel. The tank has a Fill-Rite FR701V 115V AC, 20 GPM dispenser with Fill-Rite Series 800C Meter and associated valves, plumbing, filters, strainers, and hoses for dispensing fuel. The tank has a fill level clock gauge as well as various emergency vents and pressure vacuum vents and additional tank access ports and plugs.

The tank also has steel steps, rails, and walk-ways attached to it to allow for safely accessing and traversing to top of the tank.

Removal and Replacement Requirements

- a. Removal of Existing Tank:
 - i. The existing tank, contents, and all components attached to the tank shall be removed and disposed of by the contractor.
 - ii. The existing steps, rails, and walk-ways shall be reviewed by the contractor, and the contractor shall determine if appropriate to detach, alter, and reuse on the replacement tank based on condition and cost to reuse versus installation of new access steps, rails, and walk-ways for the replacement tank.
 - iii. After removing the tank from the concrete pad, the contractor will make any repairs to the concrete pad (due to removal of existing tank) required to mount the new tank safely and properly.
- b. Replacement Tank:
 - i. The tank shall be of equivalent size, shape, and dimensions as the existing tank and supported with appropriate saddles and mounted to existing concrete pad. Refer to “Current General Conditions of Site” above. Contractor to verify tank capacity.
 - ii. The tank shall be an STI Fireguard double-wall fire-protected aboveground storage tank with inner and outer steel tank and lightweight thermal insulation material that exceeds the UL 2-hour fire test. As an STI Fireguard rated tank, the tank will conform to: UL 2085 Standard for Insulated Secondary Containment Aboveground Tank; UL 2085 for Impact Resistance, Projectile Resistance, and Hose Stream Resistance; Steel Tank Institute F941 Standard for Thermally Insulated Aboveground Storage Tanks; UL 142 Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids (inner and outer steel tanks); ULC S601 Standard for Aboveground Horizontal Shop Fabricated Steel Tanks for Flammable and Combustible Liquids, ULC S655 Standard for Contained Aboveground Steel Tank Assemblies for Flammable and Combustible Liquids; NFPA 1, Uniform Fire Code (UFC) for “Protected Aboveground Tank”; NFPA 30 and 30A.
 - iii. The primary and secondary tanks will be fitted with required emergency venting
 - iv. Any required pressure relief venting, vent caps, and vent pipes will also be supplied and fitted to the tank.
 - v. The secondary containment should be testable on-site using standard, economical testing procedures.
 - vi. The tank shall have an appropriate fill level clock gage included and installed.
 - vii. The tank shall have leak detection and level sensor installed and connected to appropriate leak detection and level sensor control panel to alert/alarm as required.
 - viii. The tank shall have an appropriate product pump dispenser and meter along with all required hoses, valves, piping, plumbing, and connections with similar flow rates and electrical connections as current tank to allow for safely dispensing diesel product.
 - ix. The tank shall have all required attachments for filling the tank with diesel along with required devices to contain spillage.
- c. Tank Installation:
 - i. Replacement tank with all required platforms, stairs, rails, walk-ways, pumps, vents, meters, fill gages, alarms, sensors, control panels, and accesses to be installed in same location as removed tank.
 - ii. All mechanical, electrical, and plumbing required to make tank and components operational to be installed, verified, tested, and certified by contractor as fit and ready for use.
- d. Additional Conditions and Requirements:
 - i. Site Inspection: A site inspection will be conducted to assess the current state of the tank and tank components and any necessary requirements for removal of current tank and components and installation of new tank and components. This inspection will also include an evaluation of all current systems (electrical, mechanical, plumbing, tank and

- tank components) to ensure new tank and components are in compliance with all local, state, and federal codes and regulations required for storing and dispensing diesel fuel.
- ii. Removal of existing tank and components: The tank and tank components to be removed will be disconnected and removed from the site. Proper disposal of the tank and components will be carried out according to relevant regulations.
 - iii. Installation of New tank and components: This will involve making necessary adjustments to the existing mechanical, electrical, and plumbing systems to accommodate the tank and components.
 - iv. Testing and Commissioning: The newly installed tank and components will be tested to ensure they are functioning properly and according to the manufacturer's specifications, and all required federal, state, and local codes.
 - v. Training: The contractor will perform hands-on training session to ensure users can operate and maintain tank all equipment as per manufacturer's recommendations and within all federal, state, and local codes and guidelines.
 - vi. Final Inspection: A final inspection will be carried out by the relevant authorities to ensure that the installation has been carried out in compliance with local, state, and federal codes and regulations.
 - vii. Clean-up: The work area will be cleaned up and all debris and waste materials will be removed from the site.
 - viii. Documentation: A report will be provided outlining the installation, testing, and commissioning of the tank and components. This report will also include any necessary warranty information, operating instructions, and maintenance instructions.
- e. Ensure the new installation meets all Federal, State, and Local safety, building, and fire codes.

IV. SITE

- A. Include daily cleanup of all areas where work is performed and disposal of debris to ***Contractor Furnished*** dumpster (if required).
- B. Housekeeping practices must be maintained including: proper storage, use, and disposal of materials (i.e., petroleum products, paints/solvents, acids, and detergents); sanitary waste management (i.e., portable toilets); and trash/debris containment (i.e., prevent entry into nearby waterways and storm drains).
- C. All finished surfaces shall be cleaned after installation and be left free of all imperfections.

V. SCHEDULING & COORDINATION

- A. Initial briefing will be held at the Pre-Construction Conference. The Contractor must submit a proposed work schedule no later than the Pre-Construction Conference. The Contractor will NOT be allowed to start work until the work schedule is approved by the Owner. The owner does not anticipate significant amounts of work required during other than normal business hours to meet project schedule. The owner may, at its sole discretion and on a case-by-case basis, require Contractor to perform certain tasks during nights or weekends. These will typically be limited in nature, and will normally include work that impacts base mission, populace, and traffic in a negative way. Examples of work that may fall into this category include but are not limited to: utility outages, short-term closure of major roads or gates, or hazardous material abatement in occupied facilities.

VI. OWNER FURNISHED EQUIPMENT OR MATERIALS

- A. The Owner **will not** furnish any equipment or materials.

VII. OTHER

- A. Temporary utilities (Power, HVAC, lighting, etc.) will not be required to support building use and functions during this project. The building will be **occupied** during construction.

- B. The Contractor shall immediately notify the Owner and secure any documents found with classified, “For Official Use Only” (FOUO) or personal information. The Contracting officer will direct disposition of these documents.
- C. Provide a **one-year warranty** on materials and labor for this project to assure good quality workmanship and materials and to provide necessary maintenance and correction of deficiencies during the year following final acceptance. The contractor will issue to the Owner any commercial warranties on materials or equipment included in the construction that exceed this one-year, all-inclusive warranty.

END OF STATEMENT OF WORK

Above Ground Storage Tank Pictures

1. Above Ground Storage Tank Side View



2. Above Ground Storage Tank End View A



3. Above Ground Storage Tank End View B



4. Above Ground Storage Tank Rating Plates



5. Above Ground Storage Tank Rating Plates



6. Above Ground Storage Tank Rating Plates

