STATEMENT OF WORK

Fabrication and Installation of a 3,500-Gallon Water Tank Body on Government-Furnished Chassis

1.0 Background

The U.S. Fish and Wildlife Service (USFWS) requires the fabrication and installation of one (1) 3,500-gallon water tank body on a Government-furnished truck chassis. The completed unit will support wildland fire suppression, prescribed fire operations, emergency response, and other land management activities.

The contractor shall provide all labor, materials, equipment, supervision, transportation, and incidentals necessary to complete the work described in this Statement of Work (SOW).

2.0 Objective

Provide a complete and operational 3,500-gallon water tank body installed on a Government-furnished truck chassis that meets the manufacturer's specifications and all applicable federal and industry safety standards.

3.0 Scope of Work

The contractor shall:

- Remove the existing water tank body and associated mounting hardware.
- Fabricate one (1) new 3,500-gallon water tank body.
- Install the new water tank body on the Government-furnished chassis.
- Furnish and install all mounting hardware, plumbing, electrical components, valves, fittings, and accessories required for a complete operational installation.
- Perform all testing and inspections necessary to ensure proper operation.
- Deliver the completed vehicle ready for Government acceptance.

4.0 Technical Requirements

The completed water tank body shall meet or exceed the following minimum requirements.

4.1 Water Tank

The water tank shall include:

- Capacity of 3,500 U.S. gallons.
- Single-compartment modified elliptical design. High-strength steel construction.
- Double-bottom tank construction. Reinforced full-length structural supports. Dished and flanged tank heads.
- Internal baffles designed for liquid control.
- Top-mounted approximately 20-inch manway with vented fill lid. Three-inch overflow piping.
- Three-inch hydrant fill connection incorporating an anti-siphon air gap.
- Four-inch outlet connection.
- Full-height sight gauge for water level indication. Rear-mounted access ladder.
- Trough-style wheel fenders.

4.2 Tank Mounting

The contractor shall provide and install:

- Heavy-duty spring-loaded mounting system. Fixed tie-down assemblies.
- Isolation materials between the tank body and chassis frame. All brackets, fasteners, and structural components required for complete installation.

4.3 Plumbing

The contractor shall furnish and install all plumbing components necessary for normal operation of the water tank body, including:

- Water piping. Shutoff valves. Drain valves. Fill connections. Overflow piping.
- Required fittings and hose connections.

All plumbing shall be leak-free and securely installed.

4.4 Electrical

The contractor shall install all standard body electrical components, including:

- LED clearance lighting.

- Stop, tail, and turn lights compliant with Federal Motor Vehicle Safety Standards (FMVSS).
- Amber warning beacons. Backup alarm.
- Required wiring harnesses and electrical connections.

4.5 Finish

The contractor shall:

- Mechanically prepare all surfaces. Apply epoxy primer.
- Apply a baked acrylic urethane finish coat.
- Apply the manufacturer's standard corrosion-resistant interior tank coating.
- Finish quality shall be free of defects, runs, excessive orange peel, or exposed metal.

5.0 Government-Furnished Property

The Government will furnish:

- One truck chassis suitable for installation.
- Existing Unit 4077 for removal of the current tank body.

The Government will coordinate delivery and pickup of the chassis with the contractor.

6.0 Contractor Responsibilities

The contractor shall:

- Supply all labor, supervision, tools, equipment, materials, and transportation required to complete the work.
- Protect Government property while in the contractor's possession.
- Repair any damage caused during fabrication or installation at no additional cost to the Government.
- Maintain a safe work environment.
- Comply with all applicable federal, state, and local regulations.

7.0 Inspection and Testing

Prior to delivery, the contractor shall inspect and test the completed installation to verify:

Proper installation of the tank body.

Structural integrity of all mounting components. Leak-free plumbing.

Proper operation of valves and fittings.

Proper operation of lighting and electrical systems.

Compliance with all applicable safety requirements.

The Government reserves the right to witness testing.

8.0 Deliverables

The contractor shall provide:

- One completed and fully operational 3,500-gallon water tank body installed on the Government-furnished chassis.
- Manufacturer's operation and maintenance manuals. Parts manuals.
- Warranty documentation.
- Final inspection and testing documentation.

9.0 Delivery

The completed vehicle shall be delivered to the location specified by the Contracting Officer.

Delivery shall include all documentation required for Government acceptance.

10.0 Acceptance Criteria

The Government will accept the completed work upon verification that:

All work has been completed in accordance with this Statement of Work.

Installation is complete and operational.

The water tank body conforms to the required specifications. No leaks, defects, or damage are present.

All required documentation has been received. The vehicle is ready for operational service.

11.0 Warranty

The contractor shall provide the manufacturer's standard warranty on materials and workmanship. Warranty documentation shall be provided at the time of delivery.

12.0 Applicable Standards

The contractor shall perform all work in accordance with:

- Federal Motor Vehicle Safety Standards (FMVSS) Applicable Occupational Safety and Health Administration (OSHA) requirements
- Applicable Department of Transportation (DOT) regulations Manufacturer's installation requirements
- Accepted commercial industry standards for fabrication and installation of truck-mounted water tanks.

13.0 Period of Performance

The contractor shall complete fabrication, installation, testing, and delivery within the period specified in the resulting contract after receipt of the Government-furnished chassis.