Scope of Work
Diesel Fuel Tank for the Rifle-Garfield County Regional Airport Fuel Farm
IFB-GC-AP-01-14 – Diesel Fuel Tank

LOCATION:
Rifle-Garfield County Airport
0375 County Road 352, Building 2060
Rifle, CO 81650

PROJECT SCOPE:
Provide all engineering, labor, equipment and materials necessary to install (1) one fire rated UL 2085
AST diesel tank at the Rifle Garfield County Airport fuel farm complete with all design, hookups, hoses,
nozzle, pump, freight, crane service, electrical, explosion proof conduit, catwalk, and any and all
ancillary equipment. Tank is to be fully operational when completed. Electric fuel pump is to deliver a
minimum of 25 GPM. Tank shall be fully operational by August 29th, 2014.

Option 1: 3000 gallon tank
Option 2: 5000 gallon tank

REQUIREMENTS:
1) All welded piping except at the transition to dispense connection.
2) Polyurethane tank external coating. White in color. (To match color of existing tanks)
3) Must meet welding qualifications either API-1104 or ASME B31.3.
4) Access to man-way; catwalk and or stairway shall conform to most recent OSHA standards.
5) Selected contractor to provide engineered drawings including the following:
   • Tank drawings,
   • electrical schematics for power supply and equipment connections,
   • piping layouts,
   • equipment list,
   • operating and safety signage,
   • spill containment calculations,
   • emergency shut-off service, and
   • transport offload spill containment equipment.
Engineer shall be licensed to work in the state of Colorado. Drawings shall be submitted to project
manager before construction begins. Any construction done before drawing are approved shall be at
contractor’s risk.
6) Tank interior shall be 100% coated with an epoxy paint suitable for the product stored.
7) Tank saddles or support skid shall be designed to fit existing facilities concrete tank support piers if
   practical. (See photos of existing tanks, electrical vault and breaker panel, existing conduits and
   possible locations.)
8) Regardless of tank location welded piping shall extend to the south end of Containment area. From south end of containment area dispensing system to include all necessary hanging hardware or electric reel, 30’ hose, including but not limited to nozzle, breakaway, hose and hose swivels.

9) Tank and equipment including remote transport off-load spill container to be electrically bonded and grounded meeting all governing codes.

10) Installation contractor shall be approved by Colorado State Oil Division for the installation of an above ground fuel storage system.

11) All electrical work shall be performed by a Colorado State licensed electrician.

12) All materials used for the project shall be new unless otherwise approved in writing by the Rifle-Garfield County Airport project manager.

13) Contractor shall provide and install at the fill-line connection a line strainer.

14) Contractor shall provide and install an appropriate rated and sized filter before the dispensing hose.

15) Contractor shall apply for and obtain all required permits and licenses, from the appropriate authority having jurisdiction, to install and operate this new fuel tank at the airport, to include but not limited to, state electrical and fuel tank permits. Permits shall be delivered to the airport administration upon final tank installation approval.

16) Installation contractor shall provide a means of providing a positive slope to the tank to facilitate water removal from tank bottom.

17) Installation contractor shall provide a permanent means of removing accumulated water at tanks low point end. This device shall not require operators to access tank top, but rather be piped to the tank head or end. Lower sump drains or hand operated pump that can be operated at ground level is acceptable.

18) All necessary tank equipment and electrical supports shall be attached to the tank at the time of manufacture to ensure proper welded attachment and paint coating prior to delivery to job site. This requirement will avoid welding attachment brackets to tank after it has been painted. Touch up paint to be applied after installation at the request of the project manager.

19) Contractor to provide services of a professionally insured crane service to off-load equipment. Crane shall be sized to safely off-load tank and set in place without removing existing tanks from service. Crane shall not swing or boom over existing tanks while setting new tank. Contractor shall coordinate with project manager for scheduling crane services. Tank shall be handled, lifted, stored and secured in accordance with the manufacturer’s instructions.

20) This is an active bulk facility; therefore, all construction shall have minimum impact on facilities daily operations. Where necessary to shut facility down for electrical connections, etc. contractor shall inform the project manager 24 hrs prior to the event.

21) Tank to be equipped with vacuum and pressure gauges and meter. Vacuum gauge to measure vacuum pressure at pump head. Pressure gauge to measure pressure at pump in psi.

22) Tank to be monitored by an electronic tank gauging system (Compatible with our existing Veeder Root TLS-450). Tank construction must include a liquid level sight gauge.

23) Must meet spacing requirements with existing tanks. (See attached photos.)
24) Mandatory pre-bid site visit required for contractor to ascertain all working conditions and supply needs to properly install the new tank.

**OTHER REQUIREMENTS:**

1) Minimum of three references related to fuel tank installations. (Statement of Qualifications)
2) 30-year warranty that the tank was fabricated in accordance with requirements of UL 2085 and UL 142, aboveground storage tank manufacturing standards. 1-year warranty against failure due to defective materials and 2-year warranty for workmanship following the date of delivery of the tank to the job site. All Manufactures warranties shall be transferred to Garfield County.
3) Supply all manuals, parts, as-built drawings, books and service requirements upon completion of the tank installation.
4) Contractor shall comply and agree to the attached standard county contract. Any exceptions to the contract shall be set forth in bid documents.
5) Contractor must comply with all applicable regulations, including but not limited to those established by the Federal Aviation Administration (FAA), National Fire Protection Association (NFPA), State of Colorado Division of Oil and Safety - Petroleum Storage Tank Regulations, Occupational Safety and Health Administration (OSHA), The Rifle Garfield County Airport Rules and Regulations, Underwriters laboratories 2085 and 142 (UL 2085 – UL142), and American Petroleum Institute 1104 (API 1104) or American Society of Mechanical Engineers B31.3 (ASME B31.3). If a difference between regulations exists the most stringent shall apply.
6) Tank must fit within containment area.
7) System must be fully operational by 8-29-2014.

**EXCLUSIONS:**

1) Electrical vault and breaker panel, empty conduit installed from breaker panel to southeast corner of containment area. (See attached photos)
2) The two gravity feed tanks at south end of containment area will be removed by the County. (See attached photos)

**TESTING**

Contractor is responsible for all testing, calibration, and regulatory inspection required, ensuring proper system operation, tightness and functionality.

1) Prior to tank start-up, the contractor shall have a tightness test performed on the aboveground storage tank and associated piping installed. The test results must meet the minimum specifications established by the manufacturer and CDLE/OPS. Copies of the test results shall be submitted to the project manager. The contractor shall be responsible for the cost of these tests.
2) Testing shall be documented by the contractor and witnessed by the project manager.
3) Testing shall be done in accordance with manufacturer’s specifications and regulatory guidance.
4) The Contractor shall demonstrate the operation of all systems to the owner at the time of the final start-up test.
5) The contractor shall document all testing and provide copies to the project manager

SECURITY

1) Access thru Gate 7 only
2) Staging area to the east of fuel farm by fence north of Gate 7
3) Contractor and employees must remain in the fuel farm area - access to airfield not allowed
4) Fuel farm and airport under 24-hr video surveillance