



# Oregon

Ted Kulongoski, Governor

Department of Corrections

Purchasing Section

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Date: 09/19/2006



## Addendum # 1

For

### UST Removal at DOC Central Distribution Warehouse, Bid # 220092-06

Below you will find Revisions, clarifications, deletions and/or additions to the bid specifications. This addendum modifies the related Invitation to Bid only to the extent specifically indicated herein. All other areas not specifically mentioned or affected by this addendum shall remain in full force and effect.

This addendum shall be added to and become part of the original Invitation to Bid.

This addendum represent a material change to the ITB and is required to be signed and returned by the Bid Closing Date and Time. Failure to do so may result in bid rejection.

**The Bid closing date and time has been changed to 2:00 PM on 09/26/06.**

1. Replace all of **Section 01010 – Summary of Work** with the attached revised Section 01010.
2. Replace all of **Section 13200 – Above Ground Storage Tanks** with the attached revised Section 13200.
3. Tank shall be powder coated. The piping is not powder coated.
4. The Above Ground Storage Tank will be installed at or near the location of the existing UST to be decommissioned and will be orientated parallel to the fence.
5. Security Clearance forms (LEDs) shall be submitted upon request by the Owner.
6. Replace Note 2 on the DEMO PLAN, Figure 3 with the following:  
“If AST Alternative is chosen, Contractor shall construct a concrete support pad for the new AST and also a concrete fueling area with drainage connected to the existing oil/water separator. (The existing oil water separator shall remain if Alternate #1 is selected). The fueling area dimensions shall be 25 feet x 25 feet and be located near the new dispenser to allow for trucks to temporarily park over the pad location while fueling. Repair of concrete shall match existing conditions. “
7. The decommissioning of the existing UST shall be completed within 45 days of the Notice to Proceed.
8. Change Substantial Completion from 45 days to 75 days from receipt of Notice to Proceed.
9. Change Final Completion from 60 days to 90 days from receipt of Notice to Proceed.
10. Replace original Exhibit 1, Pricing Submittal Form/Bid Form with the revised Exhibit 1, Pricing Submittal Form/Bid Form below. **The revised Exhibit 1, Pricing Submittal Form/Bid Form must be the form submitted with your Bid.**

Company Name: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Date: \_\_\_\_\_

# EXHIBIT 1

## PRICING SUBMITTAL FORM

OREGON DEPARTMENT OF CORRECTIONS  
BID FORM

UST Removal at DOC Central Distribution Warehouse  
Public Works Project # 220092-06

The undersigned proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER to perform and furnish all Work as specified or indicated herein for the ITB indicated and within the schedule indicated in the Invitation to Bid. Bidder has familiarized itself with the Work and has visited and inspected the site and is familiar with all the field conditions, legal requirements (federal, State, and local laws, ordinances, rules, and regulations), and conditions affecting cost, progress and performance of this Work, and has made such independent investigations as Bidder deems necessary. Bidder has given OWNER written notice of all conflicts, errors, and/or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by OWNER is acceptable to Bidder.

**Base Bid:** \$ \_\_\_\_\_

Lump Sum Total for removal and disposal of one (1) existing 12,000 gallon diesel UST and associated piping; removal of canopy, fuel pumps, fuel island and two small buildings; return the site conditions to condition prior to work and to match surrounding conditions. Work includes installation of a new support pole on a concrete base and relocation of weigh scale display.

**Alternate #1:** \$ \_\_\_\_\_

Lump sum price to install a new 12,000 gallon AST. Contractor shall construct a concrete support pad for the new AST and also a concrete fueling area with drainage connected to the existing oil/water separator. (The existing oil water separator shall remain if Alternate #1 is selected). The fueling area dimensions shall be 25 feet x 25 feet and be located near the new dispenser to allow for trucks to temporarily park over the pad location while fueling. Repair of concrete shall match existing conditions. The new AST will be placed at a location specified by DOC. Contractor shall provide a complete installation.

**Alternate #2:** \_\_\_\_\_ Dollars/ton      \$ \_\_\_\_\_/ton

Unit price to excavate, remove and dispose of up to 25 tons of petroleum contaminated soil at a disposal facility approved by state and federal regulations to receive the waste stream, if requested by the Owner.

**Company:** \_\_\_\_\_

**Company Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Telephone No:** \_\_\_\_\_ **Fax No.** \_\_\_\_\_

**Construction Contractors Board Number:** \_\_\_\_\_ **Expiration Date:** \_\_\_\_\_

I attest that I have the authority to commit the firm named above to this Bid amount and acknowledge that the firm meets the qualifications necessary to perform this Work as outlined in the Invitation to Bid. I understand that I will be required to provide necessary information to verify that the firm meets these qualifications if selected for this Contract.

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**Signature/Typed Name & Title / Date**

**SECTION 01010 - SUMMARY OF WORK****PART 1 - GENERAL****1.01 SCOPE OF WORK**

The Department of Corrections (DOC) requires the permanent decommissioning of one (1) underground storage tank and deconstruction of a fuel island installation, located at the ODOC Central Distribution Facility, Salem, Oregon. As an alternate to the base scope of work, DOC may select an alternative to install a new 12,000 gallon AST. If the AST alternate is chosen, then the Contractor shall construct a concrete support pad for the new AST and also a concrete fueling area with drainage connected to the existing oil/water separator that is associated with the current installation. The fueling area dimensions shall be 25 feet x 25 feet and be located near the new dispenser to allow for trucks to temporarily park over the pad location while fueling. Repair of concrete shall match existing conditions. The new AST will be placed at a location specified by DOC. Contractor shall provide a complete installation.

The Scope of Work, or Work for this Contract includes, but is not limited to the following: removal and disposal of concrete and/or asphalt necessary to decommission UST, including any concrete ballast block over the tank and/or hold down concrete anchors, if any; excavation of soils surrounding UST; disposal of residual product in tanks and piping; internal cleaning of the UST; removal and disposal of the UST and associated buried piping and ancillary equipment; removal of concrete paving, fuel pumps, fuel islands, associated service building (except for the scaling shed which shall remain), trench drains, oil/water separator and associated drainage piping, and restoration of site to match surrounding conditions.

If the DOC chooses the AST installation alternate, then the Contractor shall construct a new support concrete pad for the AST and also a concrete fueling pad with captive drainage to the existing oil/water separator. The new AST shall be placed on the new concrete pad at a location identified by DOC. The Contractor shall provide a fully functional AST system, including electrical hookup.

Contractor shall provide all equipment, labor, and materials necessary to complete the Owner selected alternates. The existing USTs is assumed to contain less than three-inches (in depth) of petroleum products and sludges. Contractor will properly dispose of or recycle all residual product and sludges in the USTs.

The following describes the Work and the existing site conditions for the facility:

Contractor shall complete the deconstruction of the fuel island installation and decommission, excavate, remove, and properly dispose of one (1) existing 12,000 gallon diesel UST. Excavations are to be backfilled and compacted as specified in Section 02200, and site conditions returned to condition prior to Work.

The Work shall include removing an existing oil/water separator that is connected to the drain piping from the fuel island. The piping from the fuel island to the oil/water separator shall be removed. The piping from the oil/water separator shall be removed to a point where the discharge pipe from a new catch basin is reconnected to the existing drainage system. The Work includes the installation of the new catch basin at the location indicated on the plans (low area near an existing fence). Installation of the new catch basin shall continue to be required if the AST alternate is selected.

If the AST alternate is selected, then the Contractor shall provide and install one (1) new turnkey diesel AST (12,000 gallons) at a location selected by the DOC representative. Contractor shall be responsible

for all piping an connection from the new AST. The tank and pipe materials and connections shall comply with current NFPA and UL standards. The AST shall be UL 2085 listed and shall be installed following specification, manufacturer, and federal and state requirements for ASTs. Contractor shall install standard 6” diameter x 6’ long galvanized steel bollards in the four corners of the AST and at 4-foot intervals around the tank for tank protection..

**Refer to the attached site plan sheet (Figure 3) for specific information regarding locations and sizes of the existing fuel island, UST and associated equipment.**

## **1.02 OTHER WORK**

A. In addition, the Scope of Work will include the following:

1. Conduct a site assessment as per OAR 340-150-130.

B. The Contractor shall perform the following activities: Collect a minimum of two (2) soil samples from the bottom of each finished UST excavation. The Contractor shall notify the Owner prior to collecting any samples such that observation of the sample collection may be completed at the Owners discretion. Soil samples shall be analyzed by HCID, with quantification by approved laboratory methods for any detected substance. A soil matrix cleanup report consistent with OAR 340-122-205 through OAR 340-122-260 shall be generated. This report shall include all soil sample analytical results, a site diagram indicating the location of the former UST, piping, and soil samples. The report shall include a soil matrix cleanup checklist and a soil matrix cleanup scoresheet.

## **1.03 RELATED WORK BY THE OWNER OR BY OTHERS**

A. The Owner may undertake activities in the work site under separate contract. This work includes monitoring the Contractor's compliance with the specification requirements. Coordinate with and schedule work to accommodate Owner's operations on separate contracts.

## **1.04 PERMITS AND FEES**

A. Upon receiving Notice to Proceed and prior to beginning work on any Work Site, the Contractor shall obtain and pay for all permits, fees, and licenses necessary to execute and complete the Scope of Work, including any chosen bid alternates.

## **1.05 PATENTS**

A. Certain products or procedures may have a patent or require a licensing agreement. The Contractor shall utilize all products and procedures under proper authority of the licensing agreements and patent rights. The Contractor shall be solely responsible for, and shall indemnify, defend, and hold Owner harmless from, all claims, suits, and causes of action for or arising out of licensing or patent infringements.

## **1.06 SPECIFICATIONS ON SITE**

- A. Contractor shall maintain a minimum of one copy of the Technical Specifications on site at all times.

**1.07 SUBMITTALS AND NOTICES**

- A. Contractor shall submit copies of the following information after receiving Notice to Proceed and before beginning and before beginning any Work.
1. **EQUIPMENT/MATERIAL SCHEDULE:** Submit an Equipment/Material Schedule that clearly identifies each item, component, piece of equipment or material to be installed as part of the completed installation. Items to be included on the schedule shall include: new pole and base for scale display, concrete, rebar, backfill material, catch basin, piping and other ancillary equipment necessary to complete the Work to the satisfaction of the Owner. If the AST alternate is chosen, then the requirements of the Equipment/Material Schedule shall include each item, component, piece of equipment or material to be installed as part of the new AST systems. Include information on all manufactures.
  2. **FOREMAN/WORKER CERTIFICATION.** Submit written proof that employees working on UST sites have a minimum 24 hours training in hazardous material handling procedures. The project foreman must be licensed to perform tank UST decommissioning, installation and Cleanup Activities.
  3. **EMERGENCY RESPONSE PLAN.** The Contractor shall develop and make available an emergency response plan.
  4. **EMERGENCY PHONE NUMBER.** Submit an emergency phone number at which the Contractor or Foreman can be reached on a 24-hour basis.
  5. **NOTIFICATION.** The Contractor shall submit decommissioning and change-in-service notification to the DEQ, for all regulated USTs. Contractor shall notify the local Fire Department and/or the Planning and/or Building Department for other permits required for decommissioning USTs.
  6. **SCHEDULE.** Per 1.04 of this Section.
  7. **CONFINED SPACE ENTRY PROGRAM.** Submit a written program for confined space entry, Procedures for confined spaces shall be developed in accordance with the Contractor's Construction Safety Program; 58 Federal Register 4462; and all other applicable federal, state and local statutes, rules, regulations, and ordinances.
  8. **SERVICE PROVIDER LICENSE.** Submit proof that the Contractor is registered with the DEQ and a licensed UST Service Provider.
- C. The Contractor shall include the following submittals with final application for payment to the Owner:
1. UST Decommissioning Report adhering to requirements for regulated USTs per Oregon

Administrative Rules (340-122).

2. Information required in other sections of the Technical Specifications.

**1.09 OPERATING AND MAINTENANCE INSTRUCTIONS**

- A. If the AST alternate is chosen, then the Contractor shall provide Owner's personnel with a minimum of two hours of operational and maintenance instruction for AST and all associated and Ancillary Equipment upon completion of the Project. Instruction shall be provided at the Project site.

**PART 2 - PRODUCTS**

**2.00 PRODUCTS**

- A. Only products identified in the Contractor's submitted Equipment/Material Schedule will be allowed. Substitutions will only be allowed in the event of substantiated non-availability of the item specified in the Technical Specifications.
- B. Contractor will pay all additional costs resulting from all substitutions.
- C. Substitutions must be approved in advance by the Owner.

**PART 3 - SITE PLANS**

Attached.

**END OF SECTION 01010**

**SECTION 13200 - ABOVEGROUND STORAGE TANKS**

**PART 1 - GENERAL**

**1.01 WORK INCLUDED**

- A. Equipment and installation of turnkey aboveground storage tanks. All ASTs are to be UL 2085 listed, Fireguard tank or equal.

**1.02 ASSOCIATED WORK**

- A. The ODOC Central Distribution ASTs shall be secured on a Contractor provided level footing of adequate size for one (1) 12,000 gallon diesel fuel AST and installed on an engineered concrete pad that meets minimum structural requirements of the tank manufacture and seismic zone 4 requirements for the specified tank. The concrete pad shall include a fueling run-up pad of adequate size to accommodate truck fueling from either side of a truck. The run-up pad shall include drainage to an existing oil-water separator. The drainage from the pad shall include a valve to allow shut-off during fueling.
- B. Install card lock system, communication cabling to DOC offices, computer and software. Provide training of system operation.
- C. Contractor shall be responsible for obtaining necessary permits to complete installation of AST system.

**1.03 QUALITY ASSURANCE**

- A. Qualifications: Firms regularly engaged in manufacture of fuel systems products of types, materials, and sizes, whose products have been in satisfactory use in similar service for not less than five years.
- B. Acceptable Manufacturers: Fireguard, or equal.
- C. Regulatory Requirements:
  - 1. NFPA Compliance: Install fuel systems in accordance with NFPA Standards, specifically NFPA 30 "Flammable and Combustible Liquids Code".
  - 2. Underwriters Laboratories, Inc. (UL) Standard 2085 – Standard for Protected Aboveground Tanks for Flammable and Combustible Liquids.

**1.04 SUBMITTALS**

- A. Product Data: Within 14 days after receiving Notice to Proceed, Contractor shall submit manufacturer's technical product data and installation instructions for fuel systems materials equipment and products. Within 14 days after receiving Notice to Proceed, Contractor shall submit manufacturer's Shop Drawings indicating dimensions and locations of fittings and accessories, including ladders, pumps, etc.
- B. Shop Drawings: Within 21 days after receiving Notice to Proceed, Contractor shall submit scaled layout drawings of fuel systems pipe, fittings and connections. Indicate interface and

spatial relationship between piping and proximate equipment.

- C. Record Drawings: At least 10 days prior to submitting final application for payment, Contractor shall submit As-Built Drawings of installed piping, storage tanks, and fuel systems products.
- D. Maintenance Data: At the time of conducting the Operations & Maintenance instruction required in Section 01010, Contractor shall submit maintenance data and parts list for fuel systems materials and products. Include this data, product data, Shop Drawings and Record Drawings in Maintenance Manual.

## **PART 2 - PRODUCTS**

### **2.01 VALVES**

- A. All valves shall be compatible with the stored product and shall be installed as per AST manufacturer's recommendations.

### **2.02 FUEL PIPING PRODUCTS**

- A. All piping products shall be compatible with the stored product and shall be installed as per manufacturer's recommendations.

Vent Caps: Provide vent cap on top of each piping vent line, consisting of aluminum or bronze housing, 40-mesh screen, and rain-shedding top or approved by the Authorized Representative. Select full size of vent pipe.

### **2.03 SELF-CONTAINED ABOVEGROUND STORAGE TANK:**

- A. Loading Conditions- Turnkey tank system shall meet the following design criteria:
  - 1. Internal Load: Tank shall withstand a 5-psi air pressure test. Contractor shall either obtain test certification data from manufacturer or individually test tank for leakage upon arriving at the jobsite and prior to installation. Maximum test pressure is 5 psi.
  - 2. Tank shall support accessory equipment- such as heating coils, drop tubes, submersible pumps and ladders- when installed according to tank manufacturer's recommendations and limitations.
- B. Product Storage:
  - 1. Tank shall be capable of storing petroleum products with specific gravity up to 1.0.
  - 2. Tank shall be vented to atmospheric pressure. The tank is not designed as a pressure vessel, except for use with vapor-recovery systems, provided the pressure of vacuum does not exceed 1 psi.
  - 3. Diesel Fuel; gasoline; gasohol (90% gasoline/10% ethanol mixture); 90.5% gasoline and 9.5% Oxinol-50\* (4.75% methanol and 4.75% GTBA mixture); Dupont EPA waiver

**FUEL ISLAND REMOVAL AND UST DECOMMISSIONING**

(gasoline with 5% methanol and a minimum of 2.5% cosolvent- gasoline with up to 20% (by volume) of MTBE; gasoline/water/ethanol or methanol motor fuels, including 100% ethanol or methanol or M85 (85% methanol) at ambient temperatures; jet fuel; av-gas; kerosene; new or used motor oil; or used for fuel oil at temperatures not to exceed 150 degree F.

**C. Materials:**

1. All ASTs shall be constructed and certified per UL 2085 standards.

**D. Interstitial Space**

1. Tank shall have a space between the primary and secondary steel shell walls to allow for the free flow and containment of all leaked product from the primary tank.
2. The outer surface of the primary steel tank shall be covered by a minimum of 3" thick insulation material.

**E. Accessories**

Provide and install the following:

1. Saddle Mounting: UL Listed and comply with UFC 7902.1.14 for protected steel;
2. Certification Plate: Bearing UL label, permanently affixed to tank;
3. Dispenser to be end-mounted on tank skid with a  $\frac{3}{4}$  horsepower turbine pump; 110/120 VAC - 60 Hz dual voltage motor; ; 1" outlet; nozzle compatible for fuel type and length to allow fueling of trucks from both sides;
4. Fill system: 85% capacity visual or audible alarm; 90% overflow prevention system;
5. Tank trim equipment: Including flame arrestor vent, emergency vents, locking stick port, gauge stick, mechanical level gauge (readable from ground level), and leak detection gauge;
6. Low fill w/limiter, including a 7 1/2 gallon spill containment, cam lock adapter with cap and security chain, single point overflow valve, aluminum drop tube, check valve, isolation valve, and fill instruction decal;
7. UFC decal kit: decal kit to include, at a minimum, product identification, combustible, no smoking/stop engine, hazard materials, emergency shut off signs, name and address of tank manufacturer, year tank was manufactured, and capacity of tank in gallons.
8. Emergency Response Kit: kit is to include the following: 20 lb ABC rated fire extinguisher w/heavy duty mounting bracket, absorbent socks, absorbent pads, absorbent particulate material, drain mat cover, safety

gloves, disposal bags, EPA reporting forms, technical booklet, and bright yellow container for all items.

**FUEL ISLAND REMOVAL AND UST DECOMMISSIONING**

9. Card Lock System: 100 card system, Petrovend FL6, or equal. Install communications cable to DOC offices located approximately 300 feet from AST location (install cable underground per local code). Provide clean sawcut of all AC paving to be cut. Repair AC to match existing AC.
  
10. Computer: Dell Dimension E521 (or equal) with 17” digital flat panel display (Dell-1707FP) or equal. Include installation, configuration and testing of Phoenix (or equal) software from the card lock system (see Item 9).

**PART 3 - EXECUTION****3.01 INSPECTION**

- A. General: Examine areas and conditions under which fuel systems materials and products are to be installed. The Contractor shall be responsible for preparing the Work Site to meet the fuel system manufacturer’s installation requirements.

**3.02 IDENTIFICATION**

- A. Install mechanical identification.

**3.03 INSTALLATION OF PIPING SYSTEM**

- A. General: Comply with the manufacturer requirements. Install pipe, pumps, tube and fittings in accordance with recognized industry practices that will achieve a permanently leak-proof piping system, capable of performing each indicated service without piping.
- B. Installed equipment shall not interfere with maintenance of equipment, opening of doors or other moving parts nor shall be directly above or near any portion of electrical equipment.
- C. Support piping such that connected equipment does not bear weight of piping.
- D. Vertical lines shall be adequately supported by means of a base fitting set on a pedestal. Other means of support shall be pre-approved by the Authorized Representative.
- E. Piping shall not be suspended or supported by existing pumps. No torque shall be applied to pumps by connecting pipes. After final pipe adjustments and initial operational verification of the pumps, recheck alignment of pumps and correct any deficiencies.
- F. Inspect and test piping in accordance with manufacturer’s recommendations. Remake or replace defective, leaking, or otherwise unsatisfactory joints or material. Peening, caulking, or doping of piping is not permitted.

**3.04 INSTALLATION OF STORAGE TANKS**

- A. General: Comply with manufacturer's published installation instructions and applicable provisions of NFPA 30 and 31 and per Uniform Fire Code Regulations.
- B. Rigidly adhere, step-by-step, to manufacturer's installation instructions.

- C. Maintain spacing requirements between tanks and buildings as required by the Oregon State Fire Marshal.
- D. Install card lock system, including communication cable to DOC offices. Provide setup of computer and testing of software system. Include 4-hours of onsite training to DOC personnel on operation of system.

**3.05 FIELD QUALITY CONTROL**

- A. Storage Tank Tests: Provide air pressure test in accordance with NFPA 31. Repair or replace tanks if pressure test fails, and retest as specified in NFPA 31 to demonstrate compliance, or provide manufacturer's information regarding standardized quality control testing performed for each tank.

**3.06 CLEANING AND PAINTING**

- A. Cleaning, Flushing, Inspecting:
  - 1. General: Clean exterior surfaces of installed systems of superfluous materials, and prepare for application of painting, or coatings, if any. Flush out other piping systems with dry air or nitrogen after completing inspections required in 3.03 of this section. Inspect each segment of each system for completion of joints, supports and accessory items.
  - 2. Inspection: Inspect piping in accordance with the procedures outlined by manufacturer.
  - 3. All exposed metal shall be powder coated to inhibit corrosion.

**END OF SECTION 13200**