

| ORDER FOR SUPPLIES OR SERVICES | | | | | | | | | | PAGE 1 OF 29 | |
|---|--|--|--|--|--|----------------------|---|-------------------|--|-------------------|--|
| 1 CONTRACT/PURCH ORDER/ AGREEMENT NO N47408-04-D-8503 | | | 2 DELIVERY ORDER/ CALL NO 0031 | | 3 DATE OF ORDER/ CALL (YYYYMMDD) 2007 Aug 31 | | 4 REQ / PURCH REQUEST NO ACQR528772 | | 5 PRIORITY | | |
| 6 ISSUED BY NAVFAC SOUTHWEST SPECIALTY CENTER CONTRACTS CORE CODE RAQN0/NAVAL BASE VENTURA COUNTY 1205 MILL RD BLDG 850 PORT HUENEME CA 93043-4347 | | | CODE N62473 | | 7 ADMINISTERED BY (if other than 6) CODE SEE ITEM 6 | | | | 8 DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other) | | |
| 9 CONTRACTOR SHAW ENVIRONMENTAL INC PATRICIA OLSON NAME AND ADDRESS 6330 COMMERCE DR STE 190 IRVING TX 75063-2625 | | | CODE 1YNH3 | | FACILITY | | 10 DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE | | 11 MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED | | |
| 14 SHIP TO SEE SCHEDULE | | | 15 PAYMENT WILL BE MADE BY CODE S33150 DFAS CO STOCK FUND DIRECTORATE ATTN: DFAS CO BVDFB P. O. BOX 182317 COLUMBUS OH 43218-6254 | | 12 DISCOUNT TERMS | | 13 MAIL INVOICES TO THE ADDRESS IN BLOCK See Block 6 | | | | |
| | | | | | MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2. | | | | | | |
| 16 TYPE OF ORDER | | DELIVERY/ CALL <input checked="" type="checkbox"/> | | This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract | | | | | | | |
| | | PURCHASE <input type="checkbox"/> | | Reference your quote dated Furnish the following on terms specified herein REF: | | | | | | | |
| ACCEPTANCE THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME | | | | | | | | | | | |
| NAME OF CONTRACTOR | | | SIGNATURE | | | TYPED NAME AND TITLE | | | DATE SIGNED (YYYYMMDD) | | |
| <input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: 1 | | | | | | | | | | | |
| 17 ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule | | | | | | | | | | | |
| 18 ITEM NO | | 19 SCHEDULE OF SUPPLIES/ SERVICES | | | 20 QUANTITY ORDERED/ ACCEPTED* | | 21 UNIT | 22 UNIT PRICE | 23 AMOUNT | | |
| | | SEE SCHEDULE | | | | | | | | | |
| * If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle. | | | | | 24. UNITED STATES OF AMERICA TEL: 805-982-4414 EMAIL: [REDACTED] BY: [REDACTED] | | 25 TOTAL | | \$5,935,738.00 | | |
| 27a QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED | | | | | CONTRACTING / ORDERING OFFICER | | 26 DIFFERENCES | | | | |
| b SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | | | c DATE (YYYYMMDD) | | d PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | | |
| e MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE | | | | | 28 SHIP NO | | 29 DO VOUCHER NO | | 30 INITIALS | | |
| f TELEPHONE NUMBER g E-MAIL ADDRESS | | | | | <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | | 32 PAID BY | | 33 AMOUNT VERIFIED CORRECT FOR | | |
| 36. I certify this account is correct and proper for payment. | | | | | 31 PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | | | | 34 CHECK NUMBER | | |
| a DATE (YYYYMMDD) | | b SIGNATURE AND TITLE OF CERTIFYING OFFICER | | | | | | | 35 BILL OF LADING NO | | |
| 37 RECEIVED AT | | 38 RECEIVED BY | | 39 DATE RECEIVED (YYYYMMDD) | | 40 TOTAL CONTAINERS | | 41 S/R ACCOUNT NO | | 42 S/R VOUCHER NO | |

Section B - Supplies or Services and Prices

| ITEM NO | SUPPLIES/SERVICES | MAX QUANTITY | UNIT | UNIT PRICE | MAX AMOUNT |
|---------|-------------------|-----------------|------------------|------------|--------------------|
| 0010 | | | Dollars, U.S. | | \$5,935,738.00 NTE |

EXERCISED
OPTIONOption Year III
FFP

Clean, Inspect, and Repair Tanks 2 and 20, FISC, Pearl Harbor, HI in accordance with the attached Statement of Work, clarifications, previously supplied information such as, Tank History for Tanks 2 and 20, Dwgs. 294006, 293943, 293963, 293987, and 293923, Wage Determination HI070001 dated 4/13/07 HI1. Contractor final revised proposal dated August 10, 2007 is accepted and is incorporated by reference.

FOB: Destination

PURCHASE REQUEST NUMBER:

MAX
NET AMT

\$5,935,738.00

| ITEM NO | SUPPLIES/SERVICES | MAX QUANTITY | UNIT | UNIT PRICE | MAX AMOUNT |
|---------|-------------------|-----------------|------|------------|------------|
| 001001 | | UNDEFINED | | UNDEFINED | UNDEFINED |

MAX
NET AMT

UNDEFINED

\$3,000,000.00

BWS020464

Section C - Descriptions and Specifications

STATEMENT OF WORK

Location: Pearl Harbor FISC, HI
Project: Clean, Inspect, and Repair Storage Tanks 2 and 20

**Statement of Work
Clean, Inspect, and Repair Storage Tanks**

1.0 GENERAL**1.1 Scope**

This Statement of Work defines the scope for cleaning, inspecting and repairing military storage tanks worldwide. Depending on tank type and/or history a complete out-of-service API 653 inspection, an in-service API 653 inspection, a modified API 653, or Steel Tank Institute (STI) inspection will be performed. Tank repairs under this scope shall include installation of tank gauging tubes (stilling wells) for all tanks over 30,000 gal. The repairs of deficiencies found during the inspection shall be an option to the contract. Site specific information including the type of inspection, the need for stilling wells and other applicable information is located in Section 2.0.

1.2 Requirements

The following are requirements that shall be followed unless stated otherwise in Section 2.0. Latest editions of all codes shall be used.

1.2.1 All work shall be performed in a safe and professional manner in accordance to applicable federal, state and local regulations.

1.2.2 Inspections and repairs shall be carried out in accordance to American Petroleum Institute (API) Standard 653, *Tank Inspection, Repair, Alteration And Reconstruction*, Steel Tank Institute (STI) SP001-00 *Standard for the Inspection of Aboveground Storage Tanks SP001*, and all amendments as supplemented by this statement of work. Types of inspections to be performed are specified in Section 2.0.

1.2.3 All coating work shall be performed by SPCC QP-1 certified contractors in accordance to UFGS 09970, 09971, and 09973.

1.2.4 The tank evaluation shall be performed by a qualified inspector or engineer, experienced in tank design, fabrication, repair, construction, inspection, operation and behavior. The inspection report shall be signed by the API 653 inspector and stamped and signed by a registered professional engineer familiar with the provisions of the API Standard 653.

2.0 SITE SPECIFIC INFORMATION

The following section is created for this specific location(s) for this proposal request. The rest of the scope of work shall be followed unless Section 2.0 states otherwise.

2.1 Tank Information

The facility identified above requires services for tanks 2 and 20. Relevant information for each tank can be found in Table 2.1 in Appendix A.

The Red Hill fuel storage tank complex is located on the Island of Oahu, Hawaii. The Red Hill fuel storage tank complex consists of multiple underground storage tanks constructed in 1942-1943. The Red Hill Tanks have a coated welded steel liner backed up by concrete which bears against the solid rock from which the tanks were carved. Each tank's nominal capacity is 302,000 barrels of JP-5. The configuration of these vertical cylindrical tanks is 100 feet in diameter and 250 feet in height. The tank is domed on the lower and upper ends. Access to

the tanks is provided by an upper access tunnel 190 feet above the tank bottom and a lower access tunnel just below the tank bottom.

2.2 Inspections Due

In this section identify what type of inspection is due for each tank.

Tank 2 – Modified API 653 Out of Service Inspection

Tank 20 – Modified API 653 Out of Service Inspection

2.3 Gauge Tubes (Stilling Wells)

This section will identify what tanks have gauge tubes and what tanks need gauge tubes.

No gauge tubes are required.

2.4 Anticipated Problems

In this section include any anticipated problems such as coating failures, inventory problems, etc.

None know at this time.

2.5 Government Furnished Information

Information is located in Appendix E.

2.5.1 History of Tank 2 & 20

2.5.2 Drawings of Tank 2 & 20.

2.5.3 Drawings of hydraulic boom and basket. This information is provided to the Contractor for the bidding purpose

2.6 Government Services Available to the Contractor

Table 2.2, lists the services, if any, the facility can provide to the contractor for purposes of completing the required tasks stated in this SOW.

Table 2.2. Government Services Available to the Contractor

| | Yes/No | If Yes, limits on what the government can provide or accept. |
|---|---|---|
| Government will provide water for tank cleaning | Yes | |
| Government will accept residual fuel/ wash rinsates /sludge | Yes/No/No | |
| Government to provide electricity | Yes | Government can provide electricity inside the tunnel, but not outside for trailers. |
| Government will provide compressed air | No | |
| Government will install high legs for tanks with floating roofs | NA | |
| Other | The Government will provide train assistance in tunnel. See Section 2.10.7. | |

2.7 Tank History

In this section include any information regarding upgrades, coatings, repairs, damage, unauthorized release of product, etc.

Tanks 2 & 20 were both constructed in 1942.

2.8 Base Access

In order for the contractor to gain access to the facility in a timely manner the following needs to be submitted.

2.8.1 Contractor Information

The information required to obtain base access shall be submitted to the NTR 14 calendar days prior to arrival:

- 2.8.1.1 Full Name with Middle Initial
- 2.8.1.2 SSN
- 2.8.1.3 Date of Birth
- 2.8.1.4 Driver's License with State of Issuance
- 2.8.1.5 Employer's Name, address, phone number
- 2.8.1.6 Planned arrival date and planned finish date for site personnel

If a rental car is used, the rental agreement shall be presented to Pass and Decal when access is required. A valid picture ID will need to be presented at the time of arrival.

2.8.2 Special Security Measures

Red Hill access will also need to be obtained. For this access the need information is the same as 2.8.1, but a recent photo of each person is required. A digital photo is acceptable.

2.9 Scheduling

This section includes when, how many, and for how long tanks be taken down.

Initially the Contractor will be given one tank. After the cleaning, inspection, and recommendations have been made, the Contractor will be given the second tank. Contract modification negotiations and other contract administration will be done while the Contractor is working on the second tank.

2.10 Other

This section includes other items not address in the Site Specific Section or the remaining of the SOW.

2.10.1 Hydrostatic pressure test the piping between the tanks' skin valves and the tank. These lines shall be tested to 1.5 MAWP for a minimum of two hours. There is approximately 20 ft of pipe per tank to test.

2.10.2 Once the degassing of tank is completed, the Contractor shall notify the NTR to make arrangement with FISC to remove tank gauging and temperature sensing equipment from the tank. The Contractor shall maintain a vapor-free condition inside of the tank. The ventilation equipment shall be explosion proof and have an air rate of one change per hour.

2.10.3 Prior to any work inside of tank, replace any missing structural members to repair the tower and the access catwalk. The Contractor shall provide a separate cost estimate for any repair of the tower and the access catwalk. This shall be an option for Delivery Order modification. The Contractor shall provide structural integrity certification of the tower and the access walkway by a registered professional structural engineer.

2.10.4 The information of existing Government booms and baskets will be provided to the Contractor for their information only. The Government provided booms and baskets cannot be utilized for execution of the project.

2.10.5 Due to the unusual dimensions and configurations of the Red Hill Tanks and the requirement of cleaning and inspection of entire tank interior, the Contractor shall provide a detailed plan of engineering approach how to access all the steel plates of Tank 2 & 20. The plan shall be reviewed and approved by the Government as a part of the Work Plan. A brief discussion of this shall also be included in the bid proposals.

2.10.6 The Contractor shall thoroughly clean the tank including the center tower, catwalk structure, top & bottom domes, and the shell. All sludge, sediment, wash water and other deleterious material from the tank shall be removed and disposed of by the Contractor. For the bidding purposes, the Contractor shall estimate 20 barrels of sludge to be present in each tank. Assume minimal residual fuel is present.

2.10.7 The Government will provide train assistance to a maximum of four hours on any work day in the Lower Access Tunnel only. Train support shall only be provided during standard Government work hours of 8 am to 4 pm, Monday thru Friday. The Contractor shall notify the Government no less than one (1) day in advance of the time and location that the contractor requires the train support. All loading, unloading and securing of material onto flat beds shall be the Contractor's responsibility. Contractor retains responsibility for all items during Government transport.

2.10.8 The Contractor shall disconnect pipelines (two fuel lines and one slop line) connected to the tank bottom by removing double-block-and-bleed plug valves and/or ball valves and installing solid-plate blind flanges to prevent any flammable material entering from the tanks to the active pipelines. The skin valves to be removed are motor operated valves, and all electrical components shall be disengaged by a certified electrician before removing the valves from the pipelines. Upon completion of the inspection (post-repair inspection, if there is any repair done), the valves shall be installed back to the pipelines and the electrical components shall be restored for normal operating condition with new gaskets and bolts. The Contractor shall confirm the sizes of valves to remove at site-walk. Control system to be locked and tagged out by Government.

2.10.9 Inspection shall include assessments of upper dome, extension, under catwalk, entire course shells, lower dome, appurtenances, accessways, vents, and coatings. Upper & lower domes, shell, and all welds shall be 100% inspected. The Contractor shall propose type with recommendation why each inspection methods to be used in the inspection process. This shall be included in the bid proposals. Some example methods are Magnetic Flux Leakage (MFL), Low Frequency Electromagnetic Technique (LFET), Ultrasonic Thickness (UT) scanning, Eddie Current, Balance Field Electromagnetic Technique (BFET), etc. Contractor shall take every precaution not to damage the tank coating. The Contractor/inspector shall be responsible for any damage to interior tank coating during work.

2.10.10 Prior to starting work inside of the tanks, the Contractor shall install probe port covers of existing Mass Tank Gauging (MTG) system of Tank 2 & 20. These probe port covers shall be removed upon completion of post-repair inspection.

2.10.11 Inspection reports shall include detailed information about the recommend repairs and their locations. Each recommended repair shall be labeled and referenced in such as manner that the Government shall be capable of locating these deficiencies from the report. These locations shall also be identified and referenced on the actual tank.

2.10.12 Abrasive blasting is considered Hot Work.

2.11 Government Points of Contact (POC)

2.11.1 Contracting Officer

The Contracting Officer is:

[REDACTED]
Naval Facilities Engineering Command Southwest
Specialty Center Contracts Core, Code AQN00
151 36th Avenue, Suite 2 Port Hueneme, CA 93043-4438
Telephone (805) 982-2479
[REDACTED]

2.11.2 Contracts Officer Representative

The Contracts Officer Representative for this contract is:

[REDACTED]
Naval Facilities Engineering Service Center (NFESC), Code ESC 232
1100 23rd Avenue Port Hueneme, CA 93043
Telephone (805) 982-3597
[REDACTED]

2.11.3 Naval Technical Representative (NTR)

The NTR for this contract is:

[REDACTED]
Naval Facilities Engineering Service Center (NFESC), Code ESC 232
1100 23rd Avenue Port Hueneme, CA 93043
Telephone (805) 982-3592
[REDACTED]

3.0 REFERENCES

The work performed shall comply with all federal, state, and local regulations. In addition applicable, but not limited to, codes for this work include:

3.1 American Petroleum Institute (API)

- 3.1.1 API Recommended Practice 574, *Inspection Practices for Piping System Components*, Latest Edition.
- 3.1.2 API Recommended Practice 575, *Inspection of Atmospheric and Low-Pressure Storage Tanks*, Latest Edition.
- 3.1.3 API Standard 650, *Welded Steel Tanks for Oil Storage*, Latest Edition.
- 3.1.4 API Recommended Practice 651, *Cathodic Protection of Aboveground Petroleum Storage Tanks*, Latest Edition.
- 3.1.5 API Recommended Practice 652, *Lining of Aboveground Petroleum Storage Tanks*, Latest Edition.
- 3.1.6 API Standard 653, *Tank Inspection, Repair, Alteration and Reconstruction*, Latest Edition.
- 3.1.7 API/ANSI Standard 2015, *Requirements for Safe Entry and Cleaning of Petroleum Storage Tanks*
- 3.1.8 API/ANSI RP 2016 *Guidelines and Procedures for Entering and Cleaning Petroleum Storage Tanks*
- 3.1.9 API Standard 2550, *Measurement and Calibration of Upright Cylindrical Tanks*

3.2 American Society of Mechanical Engineers (ASME)

- 3.2.1 ASME B31.3, *Process Piping*, Latest Edition.
- 3.2.2 ASME B31.4, *Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids*, Latest Edition.
- 3.2.3 ASME IX,

3.3 Code of Federal Regulations (CFR)

- 3.3.1 29 CFR 1910, *Permit-Required Confined Spaces for General Industry*.
- 3.3.2 40 CFR 112, *Oil Pollution Prevention*.

3.4 Military Handbooks (MIL-HDBK)

- 3.4.1 MIL-HDBK 1022A, *Department of Defense Handbook: Petroleum Fuel Facilities*, 01 November 1999.
- 3.4.2 MIL-HDBK 201B, *Military Standardization Handbook: Petroleum Operations*.

3.5 National Association of Corrosion Engineers (NACE)

- 3.5.1 NACE Recommended Practice, RP0184-97, *Repair of Lining Systems*.
- 3.5.2 NACE Recommended Practice, RP0193, *External Cathodic Protection of On-Grade Metallic Storage Tank Bottoms*.
- 3.5.3 NACE Recommended Practice, RP0288-94, *Inspection of Linings on Steel and Concrete*.

3.6 National Fire Protection Association (NFPA)

- 3.6.1 NFPA-30, *Flammable and Combustible Liquids Code*.

3.7 Steel Tank Institute (STI)

- 3.7.1 STI SP001, *Standard for the Inspection of Aboveground Storage Tanks*.

3.8 Safety

- 3.8.1 EM 385-1-1, *U.S. Army Corps of Engineers Safety and Health Requirement, Appendix A Minimum Basic Outline for Accident Prevention, and paragraph 6*.

3.9 Unified Facilities Criteria (UFC)

- 3.9.1 UFC 3-460-01, *Petroleum Fuel Facilities*.

3.10 Unified Facilities Guide Specification (UFGS)

- 3.10.1 UFGS 09970, *Epoxy/Fluoropolyurethane Interior Coating Of Welded Steel Petroleum Fuel Tank*
- 3.10.2 UFGS 09971, *Exterior Coating System for Welded Steel Petroleum Storage Tanks*
- 3.10.3 UFGS 09973, *Interior Coating System for Welded Steel Petroleum Storage Tanks*
- 3.10.4 UFGS 01351, *Safety, Health, and Emergency Response*
- 3.10.5 UFGS 13205, *Steel Tanks with Fixed Roofs*

4.0 WORK REQUIREMENTS

Work shall be performed in compliance with applicable federal, state and local codes and regulations. This includes adherence to all military service regulations concerning safety, work quality and security.

4.1 Tank Cleaning

The tank(s) shall be professionally cleaned for personnel entry. The tank cleaning contractor shall coordinate all site work with the base POC and the designated Navy Technical Representative (NTR). The Contractor shall provide adequately trained personnel, necessary personal protective equipment (PPE) and conduct safety meetings in accordance to API 2015, 2016 and UFGS 01351.

4.1.1 Tank Lockout/Tag-Out

The contractor shall be responsible for ensuring the tanks are properly locked and tagged out and procedures shall be discussed with onsite personnel. Items for lockout/tag-out include: valves, pumps, motor starters, etc. Lockout/tag-out and shall also consist of installing skillets or temporarily replacing valves with blinds to prevent unauthorized fuel transfer into the tank.

4.1.2 Residual Fuel, Sludge and Wash Rinsates

The contractor shall be responsible for proper disposal of any residual fuel, sludge and/or wash rinsates, encountered during the tank cleaning if the facility cannot accept as stated in Section 2.0.

4.1.3 Floating Roofs (if applicable)

Unless otherwise stated in Appendix A of this SOW the base shall be responsible for installing the high level legs on tanks with floating roofs prior to performing the inspection. The Contractor shall make their best attempt to clean the interface between the floating roof and the tank shell and remove all fuel from floating roof seals.

4.1.4 Safe for Entry/Inspection Certification

A certified Marine Chemist or a certified Industrial Hygienist is to issue a Safe for Entry Permit after cleaning and before inspection and repairs.

4.2 Inspections

The type of inspection to be performed is identified in Section 2.0 for each tank. The inspector shall coordinate all site work with the designated Navy Technical Representative (NTR) and the base POC. The inspector shall arrive at the site with all testing equipment necessary to perform a thorough inspection. The inspector shall verify that all testing equipment is calibrated and in good working order and shall include proof in the inspection report. Facility personnel will be briefed on all inspection results before the inspectors leave.

4.2.1 In-Service API 653 Inspection of Aboveground Storage Tanks

This inspection shall be performed while the tank is still in service. The following shall be performed:

4.2.1.1 Non-Destructive Testing

4.2.1.1.1 Visual Inspection

Visually inspect the overall condition of the tank. This includes plates, corrosion, coating, welds, appurtenances, gauging, presence of cathodic protection, foundation, secondary containment, stairways, nozzles, grounding, etc.

4.2.1.1.2 Ultrasonic Thickness (UT) Measurements and Recording

Perform UT measurements of the tank shell, roof, and nozzles. UT measurements shall be taken around the first course and on the upper courses accessible by stairways. The UT reading will be used for documentation, shell/roof thickness acceptability, and if applicable, remaining life calculations.

4.2.1.2 Color Photographs

Color photographs shall be taken to document tank condition, discrepancies and overall construction.

4.2.1.3 API 653 Checklist in Appendix C

The appropriate API 653 Checklist in Appendix C shall be performed.

4.2.1.4 Mapping

As-built mapping shall be performed of shell and roof plate orientation. Stairways, appurtenances, manways, vents and other significant tank details shall also be included.

4.2.1.5 Settlement Survey and Evaluation

A shell and floor edge settlement survey shall be performed to identify edge settlement, differential settlement, and/or planar tilt. The results of the evaluation shall be discussed in the body of the report and the acceptability of these results shall also be made. A graphical representation of the settlement shall be included in the report. The tank will be accessed for out-of-roundness as well.

4.2.1.6 Coating

A coating assessment shall be made by the persons inspecting. The inspectors shall be familiar with military coatings, but if significant or complex coating issues are present the contractor shall provide a NACE certified coating inspector. The NACE inspector shall only be included at the request of the

Contracting Officer. Dry Film Thickness (DFT) reading shall be taken at assessable tank locations (as applicable) to determine the average thickness readings of the internal/external shell, floor, and roof.

4.2.1.7 Secondary Containment

Visually inspect containment and assess the general secondary containment condition. Note the presence of cracks, settlement, and deterioration. Record condition and need for repairs is needed.

4.2.1.8 Tank Appurtenances

The tank nozzles, manways and other appurtenances shall be examined for adequacy and applicable standard compliance of wall thickness, reinforcement, weld spacing, and corrosion allowance. Tank accessories such as relief valves and level gauges shall be examined for general condition. Shell nozzles and reinforcements shall be ultrasonic thickness tested for determination of minimum required thicknesses, corrosion rates, and remaining life.

4.2.1.9 Level Alarms/Water Draw-Off/ATG Systems/Vents

Identify methods/systems for level alarms, water draw-off, ATG, and venting systems. Gather operability information from onsite personnel. General condition and system functionality shall be included in the report.

4.2.2 Out-of-Service API 653 Inspection of Aboveground Storage Tanks

This inspection shall be performed while the tank is out-of-service. The following shall be performed:

4.2.2.1 Non-Destructive Testing

4.2.2.1.1 Visual Inspection (VT)

Visually inspect the overall condition of the tank. This includes plates, roof underside, corrosion, coating, welds, appurtenances, gauging, presence of cathodic protection, foundation, secondary containment, stairways, nozzles, grounding, sumps, etc.

4.2.2.1.2 Ultrasonic Thickness (UT) Measurements and Recording

Perform UT measurements of the tank shell, floor, roof, and nozzles. UT measurements shall be taken around the first course and on the upper courses accessible by stairways. The UT reading will be used for documentation, shell/roof/floor thickness acceptability, and if applicable, remaining life calculations.

4.2.2.1.3 Magnetic Flux Leakage (MFL)

MFL floor scanning shall be performed on all accessible areas of the floor. Topside or bottom side corrosion indications shall be verified by VT and/or UT. In areas inaccessible by scanning, a sufficient number of UT readings shall be taken to gain a representation of the bottom underside condition.

4.2.2.1.4 Vacuum Box Testing (VBT)

On uncoated floors and shells, VBT all welds on the tank floor and internal shell to floor weld. If the floor is coated, the contactor should have the capability to perform VBT if needed.

4.2.2.2 Color Photographs

Color photographs shall be taken to document tank condition, discrepancies and overall construction.

4.2.2.3 API 653 Checklist in Appendix C

The appropriate API 653 Checklist in Appendix C shall be performed.

4.2.2.4 Mapping

As-built mapping shall be performed of shell, floor, and roof plate orientation. Stairways, appurtenances, manways, vents and other significant tank details shall also be included.

4.2.2.5 Settlement Survey and Evaluation

A shell and floor edge settlement survey shall be performed to identify edge settlement, differential settlement, and/or planar tilt. The results of the evaluation shall be discussed in the body of the report and the acceptability of these results shall also be made. A graphical representation of the settlement shall be included in the report. The tank will be accessed for out-of-roundness as well.

4.2.2.6 Coating

A coating assessment shall be made by the persons inspecting. The inspectors shall be familiar with military coatings, but if significant or complex coating issues are present the contractor shall provide a NACE certified coating inspector. The NACE inspector shall only be included at the request of the Contracting Officer. Dry Film Thickness (DFT) reading shall be taken at assessable tank locations (as applicable) to determine the average thickness readings of the internal/external shell, floor, and roof.

4.2.2.7 Secondary Containment

Visually inspect containment and assess the general secondary containment condition. Note the presence of cracks, settlement, and deterioration. Record condition and need for repairs is needed.

4.2.2.8 Tank Appurtenances

The tank nozzles, manways and other appurtenances shall be examined for adequacy and applicable standard compliance of wall thickness, reinforcement, weld spacing, and corrosion allowance. Tank accessories such as relief valves and level gauges shall be examined for general condition. Shell nozzles and reinforcements shall be ultrasonic thickness tested for determination of minimum required thicknesses, corrosion rates, and remaining life.

4.2.2.9 Level Alarms/Water Draw-Off/ATG Systems/Vents

Identify methods/systems for level alarms, water draw-off, ATG, and venting systems. Gather operability information from onsite personnel. General condition and system functionality shall be included in the report.

4.2.3 Modified API 653 Inspection

This section includes all other tanks that do not fall under the API 653 definition of an Aboveground Storage Tank.

4.2.3.1 Field Erected Cut and Cover Tanks

As applicable, use Section 4.2.1.10 "Out-of-Service Inspection of Aboveground Storage Tanks" for inspection of cut and cover tanks. The following will also be performed:

4.2.3.1.1 UT scan four locations from the tank floor/shell weld to the tank roof. This will be used for shell backside evaluation.

4.2.3.2 Horizontal Cyclical Welded Steel Underground Tanks (Section to be included at a later date.)**4.2.3.3 Shop Fabricated Aboveground Tanks (Section to be included at a later date.)****4.2.3.4 Other (Section to be included at a later date.)****4.2.4 Steel Tank Institute Inspection**

STI SP001 shall be used as guidance on all storage tanks not in contact with the ground. These tanks are typically smaller shop fabricated in a horizontal position. The purpose of the inspection shall be to document the tank and secondary containment condition, and ensure the tank is not leaking.

4.3 Tank Calibration (Strapping Charts)

Prepare two calibration tables for each tank specified in Section 2.0, one in English units and one in metric units. Both tables shall show the volume of the fuel for all liquid levels in the tank starting at the shell to bottom joint

and going up to the level of the overflow. Tank calibration shall be in accordance with API 2003 "Manual of Petroleum Measurements Standards" for "critical measurement," API Standard 2550 "Measurement and Calibration of Upright Cylindrical Tanks" and in accordance with UFGS Specification 33 56 13.13, paragraph 3.4.1.d (Chapter 2.2D, Internal Electro-optical Distance Ranging Method (EODR) (using a theodolite with an electronic distance ranging device).)

The English units calibration table shall show the volume of the fuel in barrels of 42 gallon and the level in 1/16-inch increments. The metric unit calibration table shall show the volume of the fuel in cubic meters and the level of the fuel in 2.0 mm increments. The zero level shall be the bottom of the shell. The level of the bottom of the shell and the level of the overflows shall be identified on the calibration table (strapping chart). The table shall not include tank volume above the level of the overflows. Preparation of new calibration tables from API report information or by interpolation of existing tables shall not be permitted. The table shall be certified by a third party. The tables shall be include in the tank inspection report and in addition two laminated copies each of English and metric units provide shall be sent to the facility.

4.4 Tank Gauging Tubes (Stilling Wells)

The government is in the process of refining requirements for gauge tubes in all storage tanks. The standard design shall be used for the installation of the gauge tubes. Modification to any existing tubes shall be made if acceptable and feasible. All damaged coatings shall be repaired in accordance to UFGS 09770 and UFGS 09771.

4.4.1 Standard Design

The standard details shall be used for each tank identified in Section 2.0 and the Contractor shall make site specific adjustments as appropriate for each tank. The Contractor shall develop applicable details to retrofit identified tanks. Location of gauging tubes is critical for water and temperature sensing. Tubes shall be constructed of schedule 40 aluminum. Special considerations shall be made for unusual circumstances such as geodesic domes, very large or uncommonly shaped tanks, etc. These special circumstances will be addressed in Section 2.0.

4.4.2 Gauge Tube Requirements

The gauge tubes will need to provide the capability for the ATG system servo float, the temperature sensor (maybe included inside the ATG system gauge tube), and manual gauging.

4.5 Daily Reports

Daily reports shall be generated by the contractor for each work day while on site. Daily reports shall be emailed by 0900 the following work day to the NTR and all agreed upon parties. A daily report format is included in Appendix C.

4.6 Inspection Reports

4.6.1 Preliminary Reports

Upon completion of the field work, a preliminary report shall be communicated to the NFESC. This information will be utilized in determining whether repairs need to be accomplished prior to returning the tank(s) into service. Preliminary reports shall be submitted within 48 hours of completing each inspection.

As a minimum, preliminary inspection reports shall include:

- 4.6.1.1.1 Tank ID, location, and inspection date
- 4.6.1.1.2 Statement if tank is suitable for service or should be removed or reduced from service.
If tank is unsuitable for service, a brief description of tank issue(s) shall be discussed.
- 4.6.1.1.3 Inspector(s) name, certification number, and date.

4.6.2 Inspection Reports

A separate report shall be provided for each tank inspected. Provide hardcopies of each report in plastic ring binding with a plastic sleeve inside to hold an electronic copy of each report. NFESC will provide the report covers with a report number.

Inspection Reports shall include:

4.6.2.1 Executive Summary

One page summary of the condition of the tank and basic recommendations for repairs

4.6.2.2 Suitability for Service Statement

This statement shall be a one page document with both the API 653 inspector's number and signature and the professional engineer's stamp and signature.

4.6.2.3 Tank History

The inspector shall establish a complete historical record of the entire tank. The records shall include as much information as possible including:

- 4.6.2.3.1 Nameplate Information
- 4.6.2.3.2 Products previously and presently stored in the tank.
- 4.6.2.3.3 List of previous inspections
- 4.6.2.3.4 List and describe any significant environmental (earthquake, hurricane, etc) or operational (over-pressure, vacuum, foundation settlement, etc) events.
- 4.6.2.3.5 List and describe any repairs or alterations performed (Include significant drawings, executive summaries from other repair reports, etc in the Report Appendix).
- 4.6.2.3.6 Other pertinent information and details.

4.6.2.4 Methodology

Detailed discussion on the actual methodology of how each component was inspected. This section includes type of inspection, equipment, and methods.

4.6.2.5 Findings

Detailed description of each component including containment, foundation, bottom, shell, appurtenances, access ways, floating roof/pan, and fixed roof. Provide discussion on all findings.

4.6.2.6 Recommendations

Recommendations shall be included in the report and broken into three categories. These categories are Mandatory, Near Future, and Long Term repairs.

4.6.2.6.1 Mandatory

Provide mandatory actions that need to be completed before the tank can be returned to service.

4.6.2.6.2 Near Future

Provide recommended actions that should be programmed for completion within 2-3 years. All recommendations shall be accompanied by a recommended completion date.

4.6.2.6.3 Long Term

Provide recommended actions that currently have no adverse affect on tank operability or integrity but should be monitored and/or performed to ensure long term continued service. All recommendations shall be accompanied by a recommended completion date.

4.6.2.7 Report Appendices

4.6.2.7.1 Data (UT, MFE, Settlement, Safe Fill Heights, etc)

Include all data collected during the inspection along with an interpretation and discussion of the data. Data will be in tabular form with tank locations.

4.6.2.7.2 API checklist in API 653 Appendix C

Include actual notes and readings taken by the field inspector including: tank history, visual checklist and definitive inspection results.

4.6.2.7.3 Drawings

As a minimum, the following drawings, if applicable, shall be included in the report: shell, roof, and floor plate orientation with appurtenances and other significant tank details.

4.6.2.7.4 Photographs

Color photographs with captions shall be included to document tank condition, discrepancies and overall construction.

4.6.2.7.5 Calculations

Provide calculations required by API 653. This includes determination of the minimum shell thickness, next inspection date, safe fill height, settlement, nozzle reinforcement requirements, and estimated remaining service life of shell, nozzles, roof and floor.

4.7 Repairs

The Government shall have the option to modify the contract to include repairs identified during the inspection. This section shall include all repairs identified in the inspection, but shall not include tank gauge tubes that are in Section 4.4. If significant repairs are needed, the Government will require an API 653 inspector certify all repairs/NDT work. If repairs are deemed necessary, the government will submit a scope of work for repairs and request a modification to the existing contract. Once modification is awarded, the contractor shall prepare the following:

4.7.1 Work Plan

The Contractor shall prepare a Work Plan and it will be reviewed and approved before performing repairs to the tank(s). The Contractor shall have the option to amend the existing Work Plan or create a new plan. The Work Plan shall incorporate all Federal, State, and Local environmental regulations. The Repair Work Plan shall include all information requested in Section 5.2, but should also include the following if applicable:

4.7.1.1 Hydrostatic Testing Plan

If significant repairs are made, especially in the tank critical zone, the contractor may recommend a hydrostatic test be performed. The hydro test shall be performed in accordance to API Standard 653. Personnel performing the test shall be identified and documentation on qualifications shall be submitted.

4.7.1.2 Non-Destructive Testing (NDT)

The Contractor shall be responsible for performing all necessary NDT to prove the validity of repairs. NDT methods and technician qualification shall be chosen and applied according to API Standard 653.

4.7.2 Health and Safety Plan

The Health and Safety Plan for the repairs shall follow all the guidelines in Section 5.3.

4.7.3 Repair Certification Reports

A separate report shall be provided for each tank repaired. These reports will include thorough documentation all work performed. Hard copies of each tank shall be bind in plastic ring binding with a plastic sleeve inside to hold electronic copy of each report. NFESC will provide the cover and report number.

Repair Reports Shall Include:

- 4.7.3.1 Executive Summary
- 4.7.3.2 Suitability for Service Statement
- 4.7.3.3 Work Performed
- 4.7.3.4 Timeline

Appendices:

- 4.7.3.5 Documenting Photographs
- 4.7.3.6 Personnel Certifications
- 4.7.3.7 NDT Documentation
- 4.7.3.8 QC Documentation
- 4.7.3.9 Materials and Coating Data
- 4.7.3.10 As-built Drawings, if applicable
- 4.7.3.11 API 653 follow up inspection (if deemed necessary)

5.0 POST AWARD, PRE-WORK SUBMITTALS

Prior to the start of work, all submittals shall be reviewed and approved in accordance to Appendix xxx.

5.1 Schedule

After contract award, a projected schedule with dates of mobilization, major milestone and demobilization shall be submitted.

5.2 Work Plan

Provide a written plan for cleaning, inspecting and stilling well repairs for the requested storage tanks in Section 2.0. The work plan shall include the following:

5.2.1 Project Summary and Background

5.2.2 Detailed Schedule

This schedule shall have more detail the previous schedule required in Section 5.1.

5.2.3 Methodology

Provide details on the proposed methodology for completing the required work.

5.2.4 Execution Strategy

Provide strategy for execution. This should include incorporate the work methodology and schedule along with quality control, mobilization/demobilization, applicable permitting, etc.

5.2.5 Key Personnel and Subcontractors

Provide contact information for key personnel and subcontractors. Include brief description qualifications and responsibilities of all parties.

5.2.6 Materials and Equipment to be Used

Provide list materials and major equipment to be used. These items will need to be review and approved by the NTR. Material specification sheets shall be submitted in accordance to Appendix D.

5.2.7 Hazardous Waste Disposal

Provide a plan for proper identification, handling, storage, transportation and disposal of any anticipated hazardous material.

5.3 Health and Safety Plan (H&SP)

5.3.1 General Work Safety

The Contractor shall submit a Health & Safety Plan detailing such items as briefings, training, hazard control, general housekeeping, personal protective equipment, etc. Submit in accordance with EM 385-1-1 Appendix A Minimum Basic Outline for Accident Prevention. It is stressed the contractor shall perform all work in a safe manner and maintain all proper documentation. A complete hard copy of the H&SP shall be on-site at all times.

5.3.2 Confined Space Plan

Only a qualified person shall issue tank entry and confined space permits. Tank atmosphere shall be gas-freed and monitored in accordance with OSHA guidelines for oxygen content, flammable, and toxic vapors. API standard 2015 and 29 CFR 1910.146 shall also be followed.

5.3.3 Hazardous Materials Handling

Hazardous material handling shall be performed according to the manufacturer's specifications and conform to all applicable federal, state, and local regulations. Personnel handling hazardous materials shall be properly trained and provided with any required personal protective equipment (PPE).

5.3.4 Environmental Protection

Preventative measures shall be addressed and followed to protect the environment from any work being performed. This section shall also discuss contingency plans to contain and clean up in the event a spill.

5.3.5 Hot Work

Hot work permits shall be obtained prior to any hot work being performed. Hot work procedures for both above the floor work and on the floor work shall be included in the H&SP as well as the Work Plan. The Contract shall obtain Hot Work permits from a Marine Chemist or Certified Industrial Hygienist and also the local base fire department. Hot work is defined as welding, cutting, etc. Abrasive blasting will be considered hot work unless stated otherwise in Section 2.9.

5.4 Personnel and Contractor Qualifications

Provide information on experience, training and licensing.

5.4.1 Project Manager

The Project Manager for this project shall have the technical and practical background in petroleum storage tank construction and inspection. This person shall be familiar with the applicable API, STI, and other Military standards and recommend practices. This person shall be knowable of appropriate NDE/NDT techniques and quality assurance of these practices.

5.4.2 Site Manager

The Site Manager for this project shall have the technical and practical background in petroleum storage tank construction and inspection. This person shall be familiar with the applicable API, STI, and other Military standards and recommend practices. This person shall be knowable of appropriate NDE/NDT techniques and quality assurance of these practices. The site manager will also ensure all persons onsite are abiding to all safety measures outlined in the Health and Safety Plan.

5.4.3 Tank Cleaning Personnel

Tank cleaning personnel shall be trained in all safety equipment and procedures needed to perform work. This shall include, but not be limited to confined space, hazardous material handling, hazardous atmosphere monitoring, fall protection, etc. All appropriate safety regulations and guidelines shall be followed.

5.4.4 API 653 Inspectors

The inspectors shall be experienced with various types of storage tanks. Inspectors shall be a certified in accordance with to API 653 Appendix D - Authorized Inspector Certification. Inspectors shall furnish proof of API certification.

5.4.5 NDE/NDT Technicians

All non-destructive examination (NDE) testing shall be conducted by personnel qualified to ASNT Level II in accordance with inspection company's procedures or by an ASNT Level I qualified individual under the direct supervision of an ASNT Level II or Level III. Technicians shall provide NDE/NDT qualifications.

5.4.6 STI Inspectors

Inspectors performing STI inspections shall be certified in accordance to STI SP001.

5.4.7 Welders

Welding Procedure Specification (WPS) and welders shall be qualified in accordance with Section IX of the ASME Code. Personnel performing welds shall be experienced with construction and repairs of petroleum storage tanks and pipelines.

5.4.8 Coating Applicators

All contractors and subcontractors that perform surface preparation and coating application shall be certified by the Society for Protective Coatings (formerly Steel Structure Painting Council) (SSPC) to the requirement of SSPC QP 1 prior to contract award, and shall remain certified while accomplishing any surface preparation or coating application. Contractors shall be familiar with military coatings and experienced with their application.

5.4.9 National Association of Corrosion Engineers (NACE) Inspector – (If applicable)

As an option, a tank coating inspection shall be performed by a certified NACE Level III Coatings Inspector in accordance with the National Association of Corrosion Engineers (NACE).

5.4.10 Marine Chemist/Industrial Hygienist

The Marine Chemist or Certified Industrial Hygienist shall be certified by the American Board of Industrial Hygiene.

5.4.11 Tank Calibration Personnel

Contractor shall provide the services of a specialty calibration organization to provide tank field measurements to produce tank calibration charts (strapping tables) and electronic data files for use by the ATG system.

6.0 MEETINGS**6.1 Work Kickoff Meeting**

A Work Kickoff meeting will be coordinated by NFESC to establish the responsibilities of each party involved, discussion of the schedule, and to ensure a mutual understanding of the scope.

6.2 Repair Kickoff Meeting (If applicable)

A Repair Kickoff Meeting shall be held if work outside the original scope is being performed. This does not apply stilling well installation. This meeting is to be conducted to establish each party's responsibilities and achieve consensus on the repairs scope.

6.3 Work Completion Walk Through

Upon completion of the required tasks a Work Completion Walk Through is to be conducted. The purpose of this meeting is to ensure that all the government's requirements and expectations have been successfully completed and the government will accept all work performed.

7.0 BID PROPOSAL REQUIREMENTS

The contractor bid proposals are to include the following:

7.1 Brief Work Plan

A brief statement of how the contractor plans to complete the required tasks.

7.2 Schedule

Provide a schedule which identifies major milestones along with projected start and end dates.

7.3 Project Personnel and Subcontractors

Provide the names and contact information for the planned project personnel and subcontractors.

7.4 Costs Proposal

Provide a cost proposal for entire project. As part of the proposal, costs for cleaning, inspecting, and repairing each tank shall be included. These broken out costs will be used for government information only and the project will not be de-scoped according to them.

APPENDIX A
TANK INFORMATION

APPENDIX B

GAUGE TUBE STANDARD DESIGN

(N/A)

APPENDIX C

DAILY REPORT FORMAT

DAILY PRODUCTION REPORTS

A Production Report is required for each day that work is performed on the tanks. Unless unusual circumstances arise, the Production Report should be limited to 1-2 pages. The report is informal and can consist of hand written notes on a standard form. The report shall account for each calendar day while on-site. The reporting of work shall be identified by terminology consistent with the statement of work. Contractor Production Reports are to be prepared, signed and dated by the contractor's on-site Project Supervisor and shall contain the following information:

- 1.0 Date of report, report number, name of contractor, Delivery Order Number, title and location of tasks, and Construction manager present.
- 2.0 Weather conditions in the morning and in the afternoon. Include temperature, wind, rain, fog, and humidity.
- 3.0 A list of contractor and subcontractor personnel on the work site, their trades, employer, work location, descriptions of work performed, and hours worked.
- 4.0 A list of contractor and subcontractor equipment on the work site, rented or owned, if rented - from who, location, description of work performed with equipment, and hours the Equipment was on-site, used, idle, and/or down for repair.
- 5.0 A list of contractor and subcontractor equipment on the work site, rented or owned, if rented-from who, location, description of work performed with equipment and hours the equipment was on-site, used, idle, and/or down for repair.
- 6.0 A list of job safety action taken and safety inspection and safety inspections conducted. Indicate that safety requirements have been met including the results of the following:
 - 6.1. Was a job safety meeting held? (If YES, attach a copy of the meeting minutes.)
 - 6.2. Were there any lost time accidents? (If YES, attach a copy of the completed OSHA report.)
 - 6.3. Was crane/trenching/scaffold/high voltage electrical/ high work done? (If YES, attach a statements or checklist showing inspection performed.)
 - 6.4. Was hazardous material/waste released into the environment? (If YES, attach a description of what was released, how it was released, actions taken to contain/clean-up, people/organizations contacted, meetings held, and future actions to be taken.)
 - 6.5. A list of material received each day that is incorporated into the project.
 - 6.6. Include a "Remarks" Section in the report which will contain the following: pertinent information including problems encountered during work, delays, conflicts or errors in the drawings or specifications, field changes, safety hazards encountered, instructions given and corrective actions taken, minutes of QC meeting and/or other meetings, and a record of visitors to the work site.

APPENDIX D

SUBMITTAL LIST, SCHEDULE, AND DISTRIBUTION

SUBMITTAL LIST, SCHEDULE, AND DISTRIBUTION

| SUBMITTAL | SUBMITTAL SCHEDULE | | | DISTRIBUTION - NUMBER OF COPIES | |
|--|--------------------|-------------|--------------|---------------------------------|------|
| | DRAFT (WACA) | GOVT Review | FINAL (WAGR) | NFESC | SCCC |
| SCHEDULE | 2 | 1 | | EC | |
| WORK PLAN | | | | | |
| DRAFT | 4 | 2 | 1 | EC | |
| FINAL | | | | EC | |
| HEALTH AND SAFETY PLAN | | | | | |
| DRAFT | 4 | 2 | 1 | EC | |
| FINAL | | | | EC | |
| QUALIFICATIONS | 2 | 1 | - | EC | |
| MATERIAL SUBMITTALS | 2 | 1 | - | EC | |
| | DRAFT (WACO) | GOVT Review | FINAL (WAGR) | | |
| API 653 REPORTS | | | | | |
| PRELIMINARY | 48 hrs | - | - | EC | |
| DRAFT | 7 | 2 | 2 | EC | |
| FINAL | | | | 4 HC w/ CD, 4 additional CDs | |
| QUALITY CONTROL DAILY REPORTS ⓘ | | | | EC | EC |
| MEETING MINUTES ⓘ, ⓘ | | | | EC | |

NOTES:

WACA – Weeks after Contract Award, WACO – Weeks after Completion

GOVT Review – Number of weeks for Government review after receipt of submittal.

WAGR – Weeks after Government Review

EC = Electronic Copy, HC = Hard Copy

ⓘ - Include 1 CD-ROM with each FINAL report

ⓘ - Include 2 CD-ROMs with each FINAL report

ⓘ - Daily reports shall be e-mailed daily, by 0900 local time, the following day.

ⓘ - Minutes of meetings shall be e-mailed no later than three (3) working days following each meeting.

APPENDIX E

GOVERNMENT FURNISHED INFORMATION

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

| CLIN | INSPECT AT | INSPECT BY | ACCEPT AT | ACCEPT BY |
|--------|-------------|------------|-------------|------------|
| 0010 | Destination | Government | Destination | Government |
| 001001 | Destination | Government | Destination | Government |
| 001002 | Destination | Government | Destination | Government |

Section F - Deliveries or Performance

DELIVERY INFORMATION

| CLIN | DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|--------|---------------|-----------|-------------------------|-----|
| 0010 | 30-SEP-2008 | 5,935,738 | N/A FOB: Destination | |
| 001001 | 30-SEP-2008 | | N/A FOB: Destination | |
| 001002 | 30-SEP-2008 | | N/A FOB: Destination | |

Section G - Contract Administration Data

INVOICING INSTRUCTIONS

All invoices shall be submitted to NAVFAC SW SCCC Invoices@navy.mil with a copy to

[REDACTED]

ACCOUNTING AND APPROPRIATION DATA

[REDACTED] [REDACTED]

[REDACTED]

AMOUNT: \$3,000,000.00

[REDACTED]: \$3,000,000.00

[REDACTED] [REDACTED]

[REDACTED]

AMOUNT: \$2,935,738.00

[REDACTED]: \$2,935,738.00

| | | | | | | | |
|---|--|---------------------------------|--|---|--|---------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1 CONTRACT ID CODE J | | PAGE OF PAGES 1 4 | |
| 2 AMENDMENT/MODIFICATION NO 01 | | 3 EFFECTIVE DATE 05-Nov-2008 | | 4 REQUISITION/PURCHASE REQ NO ACQR528772 | | 5 PROJECT NO (If applicable) | |
| 6 ISSUED BY NAVAL FACILITIES ENG NEER NG COMMAND SPECIALTY CENTER ACQUISITIONS NAVFAC CODE RAQND/NAVAL BASE VENTURA COUNTY 1205 M LL RD BLDG 850 PORT HUENEME CA 93043-4347 | | CODE N62583 | | 7 ADMINISTERED BY (If other than item 6) See Item 6 | | CODE | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SHAW ENVIRONMENTAL NC PATRICIA OLSON 6330 COMMERCE DR STE 190 IRVING TX 75063-2625 | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | X 10A. MOD. OF CONTRACT/ORDER NO. N47408-04-D-8503-0031 | | | |
| | | | | X 10B. DATED (SEE ITEM 13) 31-Aug-2007 | | | |
| CODE 1YNH3 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule | | | | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | | |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B). | | | | | | | |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-1 Changes | | | | | | | |
| D. OTHER (Specify type of modification and authority) | | | | | | | |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: XXXXXXXXXX 1. The purpose of this supplemental agreement is to add work associated with the attached statement of work for post inspection repairs. Contractor revised proposal dated October 29, 2008 is accepted as proposed and incorporated by reference. 2. Acceptance of this modification by the contractor constitutes an accord and satisfaction and represents payment in full for both time and money and for any and all costs, impact effect, and for delays and disruptions arising out of, or incidental to, the work as herein revised. 3. All other terms and conditions remain unchanged. | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) _____/CONTRACTS TEL: 805-982-3427 EMAIL: _____ | | | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer) | | 16C. DATE SIGNED 05-Nov-2008 | |

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$1,621,497.00 from \$5,935,738.00 to \$7,557,235.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0010

The pricing detail quantity has increased by 1,621,497.00 from 5,935,738.00 to 7,557,235.00.

The total cost of this line item has increased by \$1,621,497.00 from \$5,935,738.00 to \$7,557,235.00.

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule item for CLIN 0010 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|-----------|-------------------------|-----|
| 30-SEP-2008 | 5,935,738 | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|-----------|-------------------------|-----|
| 15-MAY-2009 | 7,557,235 | N/A FOB: Destination | |

The following Delivery Schedule item for SUBCLIN 001001 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 30-SEP-2008 | | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 15-MAY-2009 | | N/A FOB: Destination | |

The following Delivery Schedule item for SUBCLIN 001002 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 30-SEP-2008 | | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 15-MAY-2009 | | N/A FOB: Destination | |

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by \$1,621,497.00 from \$5,935,738.00 to \$7,557,235.00.

SUBCLIN 001002:

[REDACTED] was increased by \$1,621,497.00 from \$2,935,738.00 to \$4,557,235.00

(End of Summary of Changes)

The following items are applicable to this modification:

SECTION C - DESCRIPTIONS AND SPECIFICATIONS ADDITIONAL WORK

STATEMENT OF WORK ENGINEERING SERVICES FOR POST INSPECTION REPAIR OF TANK 2 AT RED HILL FISC PEARL HARBOR

1. Repair Scopes

All repairs shall meet all requirements and provisions set forth by original DO. This modification SOW contains more detail work scope for repair phase of DO.

a. Pre On-Site Requirements

- i. Work Plan: The Contractor shall submit detail work procedures and plans for the government review/approval. No work shall begin without approval of this plan. Addendum to current WP is acceptable.
- ii. Health and Safety Plan/Environmental Protection Plan: The Contractor shall submit detail site/project specific HSP and EPP. Addenda to current HSP and EPP are acceptable.

b. Coat lower dome of Tank 2

- i. Remove existing coating system from the lower dome, and prepare the surface to SSPC SP 10, near white metal. Submit documentation that blaster is qualified by SSPC to the SSPC C-7 Dry Abrasive Blaster Qualification Program.
 - ii. Current coating samples shall be collected and tested for any hazardous content. Abrasive blasting procedure must be determined based on the test result.
 - iii. All coating work shall be performed after any mechanical repair under this modification specified in Section 1. b of this SOW.
 - iv. Surface preparation and new coating application shall conform all requirements in UFGS – 09 97 13.15, Epoxy/Fluoropolyurethane interior coating of welded steel petroleum fuel tanks. Qualification requirement for coating contractor shall be SSPC QP 1. An independent coating inspection entity shall be hired according to the UFGS. Their qualification shall be SSPC QP 5 Level III.
 - v. All blasting and coating material submittals shall be provided to the government for review/approval. No work shall start without the approval on the submittals.
 - vi. Work Plan shall be submitted with detail information to accomplish the specified coating work. No work will be authorized prior to review/approval of Work Plan by the Government.
 - vii. It is the Contractor's responsibility to prove the condition of Tank 2 can be remained under manufacturer's recommended relative humidity level inside of tank.
 - viii. The Contractor shall provide all necessary personnel qualification information to the Government including SSPC QP 5 Level III inspection company/individual.
 - ix. Submit daily production report and QC report (by coating inspector) by 0900 hours next day.
 - x. Schedule bi-weekly QC meeting with all stakeholders.
 - xi.
- c. Mechanical Repair of Tank 2
- i. Weld repairs: 43 locations with weld defects/thin spots in Tank 2 shall be repaired. The detail locations of the nature of defects are addressed in API 653 report. Based on API 653 recommendations, place a patch plate over 6 locations with crack welds to reinforce the joint after weld repair.
 - ii. Pitting repairs on the floor: TesTex flaws #82 and #83.
 - iii. Bulge repair in lower dome: Fill the void space behind the bulges in plates 1 & 2 with grout.
 - iv. Repair 6" slop line that did not pass the pressure test.
 - v. Repair cracked welds of the sample line penetrations in the welded plate of the casing to the lower access tunnel.
 - vi. Install 3/8" datum plate directly under existing MTG probe.
 - vii. Replace seven (7) sample tubes with the new skin valves. Sample lines in the tank shall be installed along the center tower structure.
 - viii. Welding procedures, welders and welding operators shall be qualified. All supporting documents of qualifications shall be submitted to the Government.
 - ix. Prior to perform any repairs, a marine chemist shall certify the condition of repair locations for safe hot work.
 - x. All weld repairs shall be tested by appropriate NDE test methods. NDE personnel shall be certified in accordance with ASME B31.3 for each NDE procedure.
 - xi. The Contractor shall submit qualifications of NDE personnel.
 - xii. Center tower structural repairs performed after structural analysis..

| | | | | | | | |
|---|--|--|--|---|--|---|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1 CONTRACT ID CODE <div style="text-align: center;">J</div> | | PAGE OF PAGES <div style="text-align: center;">1 4</div> | |
| 2 AMENDMENT/MODIFICATION NO <div style="text-align: center;">02</div> | | 3 EFFECTIVE DATE <div style="text-align: center;">28-Jan-2009</div> | | 4 REQUISITION/PURCHASE REQ NO <div style="text-align: center;">ACQR528772</div> | | 5 PROJECT NO (If applicable) | |
| 6 ISSUED BY NAVAL FACILITIES ENG NEER NG COMMAND SPECIALTY CENTER ACQUISITIONS NAVFAC CODE RAQND/NAVAL BASE VENTURA COUNTY 1205 M LL RD BLDG 850 PORT HUENEME CA 93043-4347 | | CODE <div style="text-align: center;">N62583</div> | | 7 ADMINISTERED BY (If other than item 6) <div style="text-align: center; font-size: 1.2em;">See Item 6</div> | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SHAW ENVIRONMENTAL NC PATRICIA OLSON 6330 COMMERCE DR STE 190 IRVING TX 75063-2625 | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | X 10A. MOD. OF CONTRACT/ORDER NO. N47408-04-D-8503-0031 | | | |
| | | | | X 10B. DATED (SEE ITEM 13) 31-Aug-2007 | | | |
| CODE 1YNH3 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) <div style="text-align: center;">See Schedule</div> | | | | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | | |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B). | | | | | | | |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-1 Changes | | | | | | | |
| D. OTHER (Specify type of modification and authority) | | | | | | | |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: XXXXXXXXXX 1. The purpose of this supplemental agreement is to add work as identified in the attached Statement of Work. Contractor proposal dated January 12, 2009 is accepted as proposed and incorporated by reference. 2. Acceptance of this modification by the contractor constitutes an accord and satisfaction and represents payment in full for both time and money and for any and all costs, impact effect, and for delays and disruptions arising out of, or incidental to, the work as herein revised. 3. All other terms and conditions remain unchanged. | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) _____/ SUPV CONTRACT SPECIALIST TEL: 805-982-5054 EMAIL: _____ | | | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer) | | 16C. DATE SIGNED 28-Jan-2009 | |

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$467,042.00 from \$7,557,235.00 to \$8,024,277.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0010

The pricing detail quantity has increased by 467,042.00 from 7,557,235.00 to 8,024,277.00.

The total cost of this line item has increased by \$467,042.00 from \$7,557,235.00 to \$8,024,277.00.

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule item for CLIN 0010 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|-----------|-------------------------|-----|
| 15-MAY-2009 | 7,557,235 | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|-----------|-------------------------|-----|
| 16-JUN-2009 | 8,024,277 | N/A FOB: Destination | |

The following Delivery Schedule item for SUBCLIN 001001 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 15-MAY-2009 | | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 16-JUN-2009 | | N/A FOB: Destination | |

The following Delivery Schedule item for SUBCLIN 001002 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 15-MAY-2009 | | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 16-JUN-2009 | | N/A FOB: Destination | |

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by \$467,042.00 from \$7,557,235.00 to \$8,024,277.00.

SUBCLIN 001002:

[REDACTED] was increased by \$467,042.00 from \$4,557,235.00 to \$5,024,277.00

(End of Summary of Changes)

The following items are applicable to this modification:

SECTION C - DESCRIPTIONS AND SPECIFICATIONS ADDITIONAL WORK

1. Repair Scopes

All repairs shall meet all requirements and provisions set forth by original DO. This modification SOW contains more detail work scope for repair phase of DO.

a. Mechanical Repair of Tank 20

- i. Remove 7 old tell-tale pipes running from the lower dome to upper expansion spring line. Each tell-tale pipe has 30 tell-tale pipe connections that need to be cut.
- ii. Remove one hundred sixty five (165) tell-tale jump pipes.
- iii. Total cold cut number is five hundred sixty four (564).
- iv. Remove existing sample tubes.
- v. Center tower structural repairs performed after structural analysis, including removal of wooden elevator guide.
- vi. Removal of vertical pipes adjacent to the center tower for boom access. Re-attach the pipes cost shall be included.

N47408-04-D-8503

003102

Page 4 of 4

| | | | | | | | |
|---|--|--|--|--|--|-------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE J | | PAGE OF PAGES 1 3 | |
| 2. AMENDMENT/MODIFICATION NO. 03 | | 3. EFFECTIVE DATE 03-Dec-2009 | | 4. REQUISITION/PURCHASE REQ. NO. ACQR528772 | | 5. PROJECT NO.(If applicable) | |
| 6. ISSUED BY CODE NAVAL FACILITIES ENGINEERING COMMAND SPECIALTY CENTER ACQUISITIONS NAVFAC CODE RAQNO/NAVAL BASE VENTURA COUNTY 1205 MILL RD BLDG 850 PORT HUENEME CA 93043-4347 | | 7. ADMINISTERED BY (If other than item 6) CODE See Item 6 | | | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) SHAW ENVIRONMENTAL INC PATRICIA OLSON 6330 COMMERCE DR STE 190 IRVING TX 75063-2625 | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | X 10A. MOD. OF CONTRACT/ORDER NO. N47408-04-D-8503-0031 | | | |
| | | | | X 10B. DATED (SEE ITEM 13) 31-Aug-2007 | | | |
| CODE 1YN-B | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | | |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B). | | | | | | | |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-1 Changes | | | | | | | |
| D. OTHER (Specify type of modification and authority) | | | | | | | |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: XXXXXXXXXX | | | | | | | |
| 1. the purpose of this supplemental agreement is to extend the period of performance at no additional cost to either party based on the time required to generate and have Government comments provided on the Construction Certification Report. | | | | | | | |
| 2. Acceptance of this modification by the contractor constitutes an accord and satisfaction and represents payment in full for both time and money and for any and all costs, impact effect, and for delays and disruptions arising out of, or incidental to, the work as herein revised. | | | | | | | |
| 3. All other terms and conditions remain unchanged. | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | | | |
| | | | | _____/ CONTRACT SPECIALIST | | | |
| | | | | TEL: 805-982-2479 EMAIL: _____ | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| (Signature of person authorized to sign) | | | | BY _____ | | 07-Dec-2009 | |
| | | | | (Signature of Contracting Officer) | | | |

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule item for CLIN 0010 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|-----------|-------------------------|-----|
| 16-JUN-2009 | 8,024,277 | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|-----------|-------------------------|-----|
| 30-APR-2010 | 8,024,277 | N/A FOB: Destination | |

The following Delivery Schedule item for SUBCLIN 001001 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 16-JUN-2009 | | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 30-APR-2010 | | N/A FOB: Destination | |

The following Delivery Schedule item for SUBCLIN 001002 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 16-JUN-2009 | | N/A FOB: Destination | |

To:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 30-APR-2010 | | N/A FOB: Destination | |

(End of Summary of Changes)

| | | | | | | | |
|---|--|---------------------------------|--|--|--|---------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1 CONTRACT ID CODE J | | PAGE OF PAGES 1 5 | |
| 2 AMENDMENT/MODIFICATION NO 04 | | 3 EFFECTIVE DATE 21-Jul-2014 | | 4 REQUISITION/PURCHASE REQ NO ACQR528772 | | 5 PROJECT NO (If applicable) | |
| 6 ISSUED BY NAVJAG EXWC CODE ACQ / NAVAL BASE VENTURA COUNTY 1100 23RD AVE BLDG 1100 PORT HUENEME CA 93043-4301 | | CODE N39430 | | 7 ADMINISTERED BY (If other than item 6) See Item 6 | | CODE | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CB&I FEDERAL SERVICES LLC JUST N MYERS 2370 TOWNE CENTER BLVD BATON ROUGE LA 70806-8172 | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | X 10A. MOD. OF CONTRACT/ORDER NO. N47408-04-D-8503-0031 | | | |
| | | | | X 10B. DATED (SEE ITEM 13) 31-Aug-2007 | | | |
| CODE 1YQ36 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule | | | | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | | |
| X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B). | | | | | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | | |
| D. OTHER (Specify type of modification and authority) | | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: XXXXXXXXXX Prepared by: XXXXXXXXXX This unilateral administrative modification is to change the line of accounting (LOA) in Section G. The funding amount for this task order remains unchanged. Future invoice submissions shall reference the new LOA. This administrative change is necessary due to Defense Logistics Agency Energy accounting system conversion. | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) _____/ CONTRACTS TEL: 805-982-2565 EMAIL: _____ | | | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | | 15C. DATE SIGNED | | 16B. _____ BY (Signature of Contracting Officer) | | 16C. DATE SIGNED 25-Jul-2014 | |

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$2,965.54 from \$8,024,277.00 to \$8,027,242.54.

The 'Payment will be made by' organization has changed from

DFAS CO
STOCK FUND DIRECTORATE
ATTN: DFAS CO BVDFB
P. O. BOX 182317
COLUMBUS OH 43218-6254
to
DFAS CLEVELAND
CLEVELAND NORFOLK ACCOUNTS PAYABLE
PO BOX 998022
CLEVELAND OH 44199-8022

The contractor organization has changed from

SHAW ENVIRONMENTAL INC
PATRICIA OLSON
6330 COMMERCE DR STE 190
IRVING TX 75063-2625
to
CB&I FEDERAL SERVICES LLC
JUSTIN MYERS
2370 TOWNE CENTER BLVD
BATON ROUGE LA 70806-8172

The remittance organization has changed from

SHAW ENVIRONMENTAL INC
PATRICIA OLSON
6330 COMMERCE DR STE 190
IRVING TX 75063-2625
to
CB&I FEDERAL SERVICES LLC
JUSTIN MYERS
2370 TOWNE CENTER BLVD
BATON ROUGE LA 70806-8172

SECTION B - SUPPLIES OR SERVICES AND PRICES

Global Changes

CLIN 0010 -- SUBCLIN 001002

The FSC code has changed from R425 to Y1PZ.

CLIN 0010

The pricing detail quantity has increased by 2,965.54 from 8,024,277.00 to 8,027,242.54.

The total cost of this line item has increased by \$2,965.54 from \$8,024,277.00 to \$8,027,242.54.

| ITEM NO | SUPPLIES/SERVICES | MAX QUANTITY | UNIT | UNIT PRICE | MAX AMOUNT |
|---------|-------------------|--------------|------|------------|------------|
| 001003 | | UNDEFINED | | UNDEFINED | \$0.00 |

| Category | Percentage |
|----------------|------------|
| Very important | 10% |
| Important | 10% |
| Not important | 80% |
| Don't know | 0% |

| | |
|---------|--------|
| MAX | \$0.00 |
| NET AMT | |

[REDACTED] \$2,965.54

The following Acceptance/Inspection Schedule was added for SUBCLIN 001003:

| | | | |
|------------|------------|-----------|------------|
| INSPECT AT | INSPECT BY | ACCEPT AT | ACCEPT BY |
| N/A | N/A | N/A | Government |

The following Delivery Schedule Item has been deleted from CLIN 0010:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|-----------|-------------------------|-----|
| 30-APR-2010 | 8,024,277 | N/A FOB: Destination | |

The following Delivery Schedule item has been added to CLIN 0010:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-----------------|-----|
|---------------|----------|-----------------|-----|

POP 31-AUG-2007 TO
30-APR-2010

N/A

NAVFAC EXWC

N39430

CODE ACQ / NAVAL BASE VENTURA
COUNTY

1100 23RD AVE BLDG 1100

PORT HUENEME CA 93043-4301

805-982-2515

FOB: Destination

The following Delivery Schedule Item has been deleted from SUBCLIN 001001:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 30-APR-2010 | | N/A FOB: Destination | |

The following Delivery Schedule Item has been deleted from SUBCLIN 001002:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-------------------------|-----|
| 30-APR-2010 | | N/A FOB: Destination | |

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

SUBCLIN 001002:

[REDACTED] was decreased by \$2,965.54 from \$5,024,277.00 to \$5,021,311.46

SUBCLIN 001003:

Funding on SUBCLIN 001003 is initiated as follows:

[REDACTED]

[REDACTED]

Acctng Data: [REDACTED] [REDACTED]

Increase: \$2,965.54

Total: \$2,965.54

Cost Code: [REDACTED]

(End of Summary of Changes)

| | | | | | | | |
|---|--|---------------------------------|--|--|--|---------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1 CONTRACT ID CODE J | | PAGE OF PAGES 1 3 | |
| 2 AMENDMENT/MODIFICATION NO 05 | | 3 EFFECTIVE DATE 28-Jul-2014 | | 4 REQUISITION/PURCHASE REQ NO ACQR528772 | | 5 PROJECT NO (If applicable) | |
| 6 ISSUED BY NAVJAC EXWC CODE ACQ / NAVAL BASE VENTURA COUNTY 1100 23RD AVE BLDG 1100 PORT HUENEME CA 93043-4301 | | CODE N39430 | | 7 ADMINISTERED BY (If other than item 6) See Item 6 | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CB&I FEDERAL SERVICES LLC JUST N MYERS 2370 TOWNE CENTER BLVD BATON ROUGE LA 70806-8172 | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | X 10A. MOD. OF CONTRACT/ORDER NO. N47408-04-D-8503-0031 | | | |
| | | | | X 10B. DATED (SEE ITEM 13) 31-Aug-2007 | | | |
| CODE 1YQ36 | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | | |
| X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B). | | | | | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | | |
| D. OTHER (Specify type of modification and authority) | | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: XXXXXXXXXX Prepared by: XXXXXXXXXX The purpose of this modification is to correct an error made on the previous modification. Modification 04 inadvertently increased the Task Order by \$2,965.54. This modification will decrease the Task Order by \$2,965.54. All other terms and conditions remain unchanged. | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) _____ CONTRACTS TEL: 805-982-2515 EMAIL: _____ | | | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | | 15C. DATE SIGNED | | 16B. UNITED STATES OF AMERICA BY XXXXXXXXXX (Signature of Contracting Officer) | | 16C. DATE SIGNED 28-Jul-2014 | |

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was decreased by \$2,965.54 from \$8,027,242.54 to \$8,024,277.00.

The 'issued by' organization has changed from

NAVFAC SOUTHWEST
SPECIALTY CENTER CONTRACTS CORE
CODE RAQN0/NAVAL BASE VENTURA COUNTY
1205 MILL RD BLDG 850
PORT HUENEME CA 93043-4347

to

NAVFAC EXWC
CODE ACQ / NAVAL BASE VENTURA COUNTY
1100 23RD AVE BLDG 1100
PORT HUENEME CA 93043-4301

The 'administered by' organization has changed from

NAVFAC SOUTHWEST
SPECIALTY CENTER CONTRACTS CORE
CODE RAQN0/NAVAL BASE VENTURA COUNTY
1205 MILL RD BLDG 850
PORT HUENEME CA 93043-4347

to

NAVFAC EXWC
CODE ACQ / NAVAL BASE VENTURA COUNTY
1100 23RD AVE BLDG 1100
PORT HUENEME CA 93043-4301

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0010

The pricing detail quantity has decreased by 2,965.54 from 8,027,242.54 to 8,024,277.00.

The total cost of this line item has decreased by \$2,965.54 from \$8,027,242.54 to \$8,024,277.00.

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule item for CLIN 0010 has been changed from:

| DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|---------------|----------|-----------------|-----|
|---------------|----------|-----------------|-----|

POP 31-AUG-2007 TO
30-APR-2010

N/A

NAVFAC EXWC
[REDACTED]

N39430

CODE ACQ / NAVAL BASE VENTURA
COUNTY

1100 23RD AVE BLDG 1100
PORT HUENEME CA 93043-4301
805-982-2515
FOB: Destination

To:

DELIVERY DATE

QUANTITY

SHIP TO ADDRESS

UIC

POP 31-AUG-2007 TO
30-APR-2010

N/A

NAVFAC EXWC
[REDACTED]

N39430

CODE ACQ / NAVAL BASE VENTURA
COUNTY

1100 23RD AVE BLDG 1100
PORT HUENEME CA 93043-4301
805-982-2515
FOB: Destination

(End of Summary of Changes)