

STATEMENT OF WORK

**ARCHITECTURAL-ENGINEERING (A-E) SERVICES TO SUPPORT
MISCELLANEOUS PETROLEUM, OILS, and LUBRICANTS (POL)
SYSTEM PROJECTS**

VARIOUS LOCATIONS, WORLDWIDE

Contract Number: FA8903-05-D-8737

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CONTRACT SECTION C -- STATEMENT OF WORK

ARCHITECTURAL-ENGINEERING (A-E) SERVICES TO SUPPORT MISCELLANEOUS PETROLEUM, OILS, and LUBRICANTS (POL) SYSTEM PROJECTS at VARIOUS LOCATIONS, WORLDWIDE

PART A – INTRODUCTION

This statement of work (SOW) defines requirements for A-E services primarily for fuels related design service programs and projects as assigned and in accordance with applicable regulatory guidance. Place of performance shall be at various government installations in the United States, at various overseas government locations, at government territorial possessions, at Defense Logistics Agency (DLA) Fuel Facilities worldwide, and at locations of interest to the government.

In carrying out each work assignment issued as a Task Order (TO) under the basic contract, the Contractor shall furnish the personnel, services, equipment, materials, facilities, and other requirements necessary for, or incidental to, the performance of work set forth herein.

Primary technical services shall be performed by individuals who are credentialed members of architectural, science and engineering professions. Generally, a credentialed professional (a) is licensed (e.g., registered professional engineer) to practice in the state where a facility is located and (b) commands the necessary expertise, in terms of knowledge and experience, to undertake the specified task. A professional's specific expertise may also be realized through certification that is compliant with the National Association of Corrosion Engineers (NACE) certification or through the American Petroleum Institute (API) certification process.

1.0 Scope

The Contractor shall provide Title I, Title II, and Other A-E Services for design projects for the Air Force Center for Environmental Excellence (AFCEE). The scope of the contract includes support to the AFCEE mission in the following existing and emerging program areas. Individual TOs may include greater detail concerning the project requirements.

Design Support of Fuels Systems Worldwide. Support the fuels related Design and Construction mission for the DoD. Major activities supported under this contract include fuels standards and criteria development, design, construction management, pipeline and fuels terminal support, landscape architecture, design-build delivery methods, Also, support the development, testing, and documentation of new project management acquisition and construction methodologies.

Other Areas of Support and Emerging Markets. Support AFCEE with other areas of support and emerging markets. Includes support on Defense Energy Support Center (DESC) fuel facilities worldwide.

The Contractor shall be capable of addressing and interpreting all aspects of DoD fuels regulations, American Petroleum Institute (API) standards, including the preparation and presentation of expert testimony if required. Some tasks may require planning and logistical support, to include on-site translation and/or interpretation, at various meetings and conferences worldwide.

1. TITLE I, TITLE II AND OTHER A-E SERVICES REQUIREMENTS

1.1 Title I Services

Title I services include all aspects of design such as preparation of contract plans, specifications, scheduling, cost estimates, and preparation of operating and design manuals. Title I efforts also encompass those efforts required to support and develop design work, including planning and programming, program management, project scoping, studies, investigations, evaluations, consultations, conceptual design, value engineering, and operation, monitoring, topographic survey services, and optimization of fuel transport, distribution, and storage systems.

1.2 Title II Services

The Contractor shall perform supervision, inspection, and oversight of fuels related traditional construction projects.

1.3 Other A-E Services

The Contractor shall provide a full range of other A-E services, including design for new, additions to, and upgrade of POL facilities including, but not limited to, above ground storage tanks; hydrant fuel distribution systems including pumps, valves, hydrant and filter separators, bulk storage systems, transfer pumphouses, and controls; buildings including pump houses, petroleum operations buildings, fuel truck maintenance buildings, and generator buildings. Task orders will also include infrastructure design for POL facility-related site utilities, site planning, aircraft parking aprons (pavement design), fuel pits, fill stands, and road and bridges. Task orders will include requirements for facility-related special designs including cathodic protection, fire protection, NATO cut-and-cover tanks, underground storage tank removal/replacement, special coatings and paints, asbestos/lead paint removal, and demolition of existing buildings. Construction cost estimates may be required for any of the design tasks listed above.

The Contractor shall also provide a full range of management services associated with conventional fuels design for construction of facilities of interest to the government. These

efforts include planning, programming, studies, investigations, interior design services, and other services not associated with a specific construction project.

PART B – ADMINISTRATIVE AND MANAGERIAL REQUIREMENTS

The Contractor shall provide management, planning, performance measurement and cost status reporting pertinent to the performance of the requirements identified in each TO.

2. APPLICABLE DOCUMENTS

Comply with all applicable (1) federal, state, and local engineering and environmental statutes, instructions, manuals, handbooks, regulations, guidance, policy letters, and rules (including all changes and amendments), and (2) Presidential Executive Orders, in effect on the date of issuance of each TO. For work at overseas locations, the contractor shall also comply with all applicable host nation statutes and agreements. In addition, the contractor shall refer to the AFCEE Technical Services Quality Assurance Program, Guidance for Contract Deliverables (GCD), current version, unless otherwise specified. This GCD is a reference document to be used in the generation of contract deliverables. Base-specific documents shall be identified in each individual TO.

3. TASK ORDER MANAGEMENT, PLANNING, AND REPORTING SERVICES

Plan project activities, including the development, implementation, and maintenance of project schedules, events, status of resources, report(s) on the activities, and progress toward accomplishing project objectives. Document for government review and approval the results of the project efforts for each TO.

3.1 WBS Requirements

Prepare and submit for approval a Work Breakdown Structure (WBS) as posted on the AFCEE Website or as specified in each individual TO. The WBS shall be used to report the cost and schedule status for each project. All tasks required under this TO shall be included in the WBS. (Contract Data Requirements List [CDRL] B001)

3.2 Schedule and Planning Requirements

Provide schedules for tracking work progress as specified in each TO. The SOW for each TO should indicate which of the following schedules is required. Project Planning Charts (PPC) are recommended for less complex projects and Integrated Master Schedules (IMS) are recommended for more complex projects.

3.2.1 Project Planning Chart (PPC)

The Contractor shall prepare and submit a PPC for approval. The PPC shall detail the project schedule and status through the use of Gantt charts, which shall depict percent complete for each task. Schedule activities shall be reported by the approved WBS. (CDRL B002)

3.2.2 Integrated Master Schedule

Prepare and submit an IMS for approval. The IMS shall detail the project schedule and status through the use of Gantt charts, network logic diagrams, and Project Evaluation Review Technique (PERT)/Critical Path Method (CPM) analyses. Schedule activities shall be reported by the approved WBS. (CDRL B003)

3.3 Cost and Status Reporting

Provide progress and cost reports as specified in each TO. Cost and status reports are listed below in order of increasing complexity. Each TO will specify if one or two of the following reports are required. Contractor's Progress, Status, and Management Reports with cost information are recommended for TOs under \$500,000. TOs over \$500,000 typically require (1) a CPSMR and (2) either a PCR or a FMER. Each TO should be evaluated independently to determine specific requirements.

3.3.1 Contractor's Progress, Status, and Management Report

Prepare and submit a Contractor's Progress, Status, and Management Report (CPSMR). The CPSMR shall be used to review and evaluate the overall progress of the project, along with any existing or potential problem areas. The CPSMR shall include a summary of the events that occurred during the reporting period, discussion of performance, identification of problems, proposed solutions, corrective actions taken, and outstanding issues. Cost information may be included or omitted in this report as required in each TO. (CDRL B004)

3.3.2 Performance and Cost Report

Prepare and submit a Performance and Cost Report (PCR). The PCR provides the current status and projected requirements for funds, man-hours, and work completion. (CDRL C001)

3.3.3 Funds and Man-Hours Expenditure Report

Implement and maintain a cost accounting system and prepare a Funds and Man-Hours Expenditure Report (FMER) to correlate the status of expensed funds and man-hours against the progress of the work completed. The FMER and associated graphics shall detail the current project status and identify funds and man-hours required to complete the assigned tasks. (CDRL C002)

3.4 Photo Documentation

Prepare photo documentation. Include photo documentation of site(s) and building(s) under investigation, field activities, and design locations. Photography of any kind must be coordinated through the installation Point of Contact (POC). (CDRLs B005, B006, B007)

3.5 Task Order Scoping Services

Perform task order scoping and plan development services. Specifically, complete site and easement surveys. Conduct site surveys to enable preliminary scoping of project issues. Visit the assigned site(s) and make all preliminary studies of the site/facility locations and accessibility; number of project locations; number and type of personnel required; number and type of site(s) and supporting data desired; special or modified project capabilities, issues, and procedures required; equipment required; and type of procedures to ensure that the project activities comply with applicable requirements. For easement surveys, utilize a registered land surveyor to identify all project easement locations. Prior to performing any off-base fieldwork or project activities, conduct a survey to determine the closest property line. After project activities, locate easements from closest property line. Establish permanent easement boundaries and provide a metes and bounds description and plot plan for each easement site. (CDRL A001)

3.6 Meeting and Conference Services

3.6.1 Meeting/Teleconference Support

Attend and/or support the AFCEE at meetings and teleconferences as required by the COR with the installation and/or AFCEE representative(s). The purpose of the meetings include, but are not limited to, contract discussions, progress reviews, project scoping, planning, design reviews, construction reviews, project status, and the general exchange of information concerning current and future activities. When specified in the TO, the Contractor shall participate in and/or facilitate on-site meetings. (CDRLs B008, B009, B010)

3.7 Regulatory/Professional Interface Services

Assist AFCEE in project technical review, analysis, and discussions to integrate comments from interested parties on programs and related data and studies. Develop options for responses and prepare report(s) to communicate US government priorities to foreign governments, regulatory agencies and other interested parties.

3.8 Notification Requirements

The Contractor is required to notify the CO and COR of critical issues that may affect the contract performance and/or human health and the environment. The types of issues that require notification include, but are not limited to, health risks, spills, changes in critical personnel, and unexploded ordnance (UXO). As an example, if UXOs were discovered during field activities, the Contractor would be required to immediately stop work, report the discovery to the base POC and COR, and implement the appropriate safety precautions. Commencement of field activities could not continue until clearance was received from the CO. On critical issues, verbal notification should be made immediately, followed by written notification as soon as practical. (CDRL A002)

3.9 Work Site Coordination Services

Coordinate work site activities to ensure the protection of human health and the environment; the prevention of damage to property, utilities, materials, supplies, and equipment; and the avoidance of work interruptions. The Contractor must comply with US Occupational Safety and Health Administration (OSHA) safety and health regulations (as applicable) and local safety office requirements.

Specifically, coordinate work site activities with applicable existing base or area operations. Examples of the offices/departments that the Contractor shall coordinate activities with include, but are not limited to:

- | | |
|-----------------------------------|----------------------------|
| a) Transportation | b) Planning |
| c) Police/Security | d) Utilities |
| e) Hazardous Materials Operations | f) Permitting |
| g) Fire | h) Pass and Identification |
| i) Safety | j) Facility Management |
| k) Base Civil Engineer | l) Public Works |
| l) Fuels Office | m) Liquid Fuels Maint. |

4. TASK ORDER PROJECT PLAN DEVELOPMENT

Each TO may require project and/or site-specific planning documents and development requirements. Plans must comply with the specifications, procedures, and methodologies. Project plans may include any of the following as appropriate to individual TOs. The AFCEE COR shall approve (in writing) any proposed modification to, or deviation from, any activity described in these documents, following approval by the CO.

4.1 Work Plans (WPs)

The AFCEE Technical Services Quality Assurance Program may be used as guidance for all phases of work specified in each TO. Specific WPs to conduct specific site activities and analysis as part of future projects may also be specified. Work Plans are used to describe all planned aspects of the project activity. (CDRLs A003)

4.1.1 Construction Quality Plan (CQP)

Prepare a CQP as specified in the TO. (CDRL A004)

4.2 Design Work Plan

Develop a design WP. The design WP shall document the overall management and implementation strategy for design activities. Site-specific aspects of the proposed design WP shall be detailed, and any deviations from the existing or pre-design WP shall be highlighted. The design WP must be approved by the COR before proceeding to design. (CDRLs A003)

PART C – DESIGN and FUELS RELATED A-E SERVICES

The primary emphasis of this SOW is to perform fuels related design services. Title I, Title II, and other A-E services are anticipated for fuels related support projects. Traditional design for fuel facility services shall be specified in Part D. Support on fuel facilities have unique characteristics and should comply with Military Handbook 1022a (current version), American Petroleum Institute (API) Standards and recommended policies, and Air Force Standard Designs. Fuels services apply to new construction, upgrades, inspections, maintenance, or repair. Services for fuel facilities include, but are not limited to, off-loading facilities, tanks, loading facilities, hydrant fueling systems, pipelines, secondary containment, support facilities, office facilities, laboratories, access roads, vehicle service stations, enclosures, soil/groundwater treatment systems, and all related mechanical, electrical, controls, and security requirements.

5. TITLE I SERVICES FOR FUELS AND POL PROJECTS

5.1 Design Overview

The government shall provide pertinent and available background information concerning the project. The major objective of a design project shall be the complete design of a practical and effective system(s).

Designs specified in Part C of this contract may include new construction, upgrades, maintenance, or repair. Designs shall comply with all military standards, API, and NACE requirements. Designs may be required for projects including fuels support and environmental issues, including spill response. Designs shall include the following:

5.1.1 Cost Estimates

As part of the design, develop a detailed cost estimate for construction and implementation of the project with detailed labor, material, subcontractor, and other costs. Develop life cycle cost estimates for planning and budgeting. These cost estimates shall detail, by fiscal year, the various development, construction, O&M, and possible long-term monitoring costs (as related to spill response). (CDRL A005)

5.1.2 Design Plans & Specifications

Develop clear and comprehensive design plan(s) and specifications with a supporting Design Analysis or Basis of Design Report. Include critical information like the design basis, discussion of technical factors, design assumptions, detailed engineering drawings, equipment tables, material tables, permits required, and appendices with data and calculations. (CDRL A006, A007, A008, A009)

5.1.3 Operation and Maintenance Plan

As part of the design effort, the contractor may develop an O&M plan to cover both implementation and long-term maintenance. The plan shall include documentation for the

comprehensive system, not simply for each component. Include information like the start-up procedures, specifications, description of normal O&M, potential problems, contingencies, and description of equipment, routine testing requirements, and other industry standard requirements. (CDRLs A010)

5.1.4 Project Schedule

As part of the design effort, develop a project schedule for construction and implementation. (CDRL B011)

5.2 Design Phases

The design shall be submitted for review by the government in one or more phases, as specified. Disposition of the comments shall be determined at the respective review meeting and the results shall be incorporated into the next required design phase submittal. The specific requirements for each design phase shall be specified in individual TOs. Examples of requirements that might be specified for a phase would include design plans, cost estimates, schedules, Basis of Design Reports, review comments with responses from prior work, design analyses, submittal registers, list of required permits, O&M requirements, calculations, and other similar requirements. In addition, examples of potential design phases and the approximate percentage of the design that would be completed in each phase follows. (CDRLs A003, A005, A006, A007, A008, A009, A010, B011)

- a) Preliminary Design (30%)
- b) Intermediate Design (60%)
- c) Draft Final Design (95%)
- d) Final Design (100%)

6. TITLE II SERVICES FOR FUELS PROJECTS

6.1 Construction Submittal Review

Review plan(s) and systematic QA procedures. Plan(s) to be reviewed may include the QA, Work Plan, and HSP as applicable to individual TOs. These plans should be reviewed against current guidance and practices. Prepare and submit an evaluation of the project specific plan(s). (CDRL A006)

6.2 Design Update

Maintain and update the design documents during construction. This is required to incorporate any changes to the design made during the construction phase to correct design deficiencies, incorporate new technologies, or adapt to previously unknown conditions. (CDRLs A003, A005, A006, A007, A008, A009, A010, B011)

6.3 Evaluation of Ongoing Actions

Perform on-site technical surveillance of field operations being performed by others, provide integrated management oversight and technical assessment of ongoing fieldwork, and assure conformance with the selected remedies and/or regulatory requirements. Provide an evaluation to ensure that remedies are performing as designed. (CDRL A006)

6.4 Field Oversight

Provide manpower, equipment, material, services, and transportation necessary for oversight services during the construction and operation of the project. Provide periodic progress reports summarizing the work efforts and any open items requiring AFCEE resolution. Meet and follow the site specific HSP. (CDRL A006)

6.5 Inspections

Conduct routine, pre-final and final walk-through inspections of the project.

The pre-final inspection of the completed project shall involve the CO (or his/her designee), regulatory agencies, and other agencies with a jurisdictional interest. Document the pre-final inspection findings in a pre-final inspection report.

The pre-final inspection report shall be used as a checklist for focusing the final inspection on deficient construction items. Document the findings of the final inspection in a final inspection report according to the format specified at the pre-construction conference. The final inspection report shall certify that all items of the design have been implemented and that the project is complete and operational. The final inspection report shall include a record of as-built drawings and documentation (e.g., test results) verifying that performance standards have been met. (CDRL A011, A012)

6.6 Submittal Register Review

Review construction submittals to ensure compliance with the Submittal Register prepared during design. Assist the COR by identifying discrepancies and recommending resolution. (CDRL A006)

7. OTHER A-E SERVICES

Provide all labor, materials, and services necessary to deliver, for government review and approval, those studies and services that support fuels support programs and projects at locations of interest to the government. Multi-disciplinary technical capabilities may be required. The Contractor shall perform tasks, including but not limited to, the following general tasks related to the specific work areas cited in this section.

- a) General technical support

- b) Document reviews
- c) Technical evaluations of response to solicitations
- d) Identification of relevant regulations
- e) Evaluations of physical facilities
- f) Preparation of implementation spill prevention and containment plans
- g) Technology reviews
- h) Completion of cost and feasibility studies
- i) Meeting support and/or facilitation
- j) Program management support
- k) Programming
- l) Safety evaluations
- m) Project and program level scoping studies
- n) Technical investigations and/or evaluations
- o) Value engineering services
- p) Inspection and field oversight

In the completion of these tasks, the Contractor shall comply with all federal, state, host nation, and local rules and regulations.

7.1.1 Warranty of Installed Equipment and Systems

Assist the government in resolving warranty issues. Review installed equipment and prepare databases of equipment/systems with information such as scheduled maintenance, vendor sources, warranty expiration dates. (CDRLs A006)

7.1.2 Assistance and Evaluation Teams

Conduct technical evaluations of fuel terminals, fuel storage and transport systems, infrastructure, and construction activities and assist in the development of plans to rectify deficiencies or areas of concern. For example, complete assessments of base fuels facilities and programs, optimization studies of systems, evaluations of base activities and infrastructure, and forensic engineering evaluations. (CDRL A006)

7.2 Fuel Facility Services

Provide support of DLA, fuel facilities, and other facilities of interest to the government. Specific services include, but are not limited to, pipeline safety studies, optimization of systems at fuel facilities, and pollution prevention activities for DLA and DoD fuel facilities. Provide program level assistance in the development of DLA Petroleum, Oil, and Lubricants (POL) Facilities. The Contractor shall complete work order requests as specified. (CDRL A006)

7.3 Information Technology Services

Provide support on information management systems, databases, CADD, GIS, Geobase Planning, and other Information Technology applications related to fuel storage and distribution systems.

7.3.1 Statement Of Work (SOW)

Provide the SOW, cost estimate, and assumptions to the COR. Provide recommendations through the COR to the installation's headquarters. Include installation staff and/or regulatory representative comments in the final execution package with the cost estimate and schedule. Provide modifications as required after award of the TO. (CDRL A006)

7.3.2 Engineering Evaluation/Cost Analysis (EE/CA)

Prepare the EE/CA as part of Action Memorandum Decision Documents. The EE/CA shall evaluate technologies for removal actions for remediation of an immediate or long-term threat at a CERCLA site. An EE/CA is required by the NCP for any removal action which is determined to be non-time critical. (CDRL A006)

7.4 Storage Tank Management Services

7.4.1 Petroleum, Oils, and Lubricants (POL) and Other Storage Tank(s) Management

Perform technical activities and analyses in support of the management of POL and other storage tanks as specified. (CDRLs A006)

8. TITLE I TRADITIONAL SERVICES

This SOW includes the preparation of designs for systems design and construction of fuels facilities of interest to the government. Specifically, provide Title I services for the project and mission areas identified in section 1 of this SOW.

8.1 Pre-Design Planning Support

8.1.1 Findings and Recommendations (F&R) Report

Complete Findings and Recommendations (F&R) Report to gather justification and assimilate criteria for a proposed design project or to support future planning services and submit the F&R Report to the CO. The F&R Report shall consist of at least two parts, as follows.

- a) **Findings** – Provide the findings and results of interviews, governing codes and regulations, parametric cost estimates, and requirements. (CDRL A006)
- b) **Recommendations** – Provide all recommendations concerning the design or other services work, including the design scope and cost limitations. (CDRL A006)

8.1.2 Other Required Documents

Prepare and submit Air Force (AF) Form 332's (Work Request) and DD Form 1391's (Programming Documents) as required to justify and program the project. Include with the F&R Report if required.

8.2 Design Requirements and Phases

Provide design services including, but not limited to, designs, specifications, conceptual plans, renderings, construction estimates, bid support, and submittal support. Utilize professional design practices. For example, write specifications without words such as "match existing" or similar phrases that cannot be bid without further information and which cannot be enforced.

8.2.1 Conceptual Design Phase

Provide a minimum of three (3) conceptual alternatives for facility additions, alterations, new facilities and systems, as applicable. (CDRL A003, A005, A006, A007, A008, A009, B011)

8.2.2 Preliminary Documents Submittal

As specified, provide a Preliminary Documents submittal. Include, as a minimum, drawings and written data sufficient to fix and describe the size, character, auxiliary systems, and other essentials necessary to explain the design. Describe materials or products proposed for major elements by manufacturer or type of product. (CDRL A003, A005, A006, A007, A008, A009, B011)

8.2.3 As-Built Drawings

Research record drawing files for information and data required for a design. (CDRL A013)

8.2.4 Intermediate Design (50%)

Submit an intermediate design package. The intermediate design requirements shall be specified in the TO. (CDRL A003, A005, A006, A007, A008, A009, B011)

8.2.5 Advanced Final Design (100%)

Submit the advanced final design package. The advanced final design requirements shall be specified in the TO. (CDRL A003, A005, A006, A007, A008, A009, B011)

8.2.6 Final Design Submittal

Submit final documents. Incorporate any corrections to the Advanced Final Design submittal. Ensure final drawings, documents, or required product(s) have all required coordination

signatures, except those within the USAF Civil Engineer's organization. (CDRL A003, A005, A006, A007, A008, A009, B011)

8.2.7 Constructability Review Certification

Submit a draft of the Constructability Review Certificate provided by the COR. The certificate shall be signed by the A/E Project Manager and by all technical consultants used for review of this project and provided with the Final Construction Document Submittal. For services that are not designs, this submittal shall include all the elements and products that are required to complete the TO. This submittal, also referred to as the "unchecked final submittal", shall be complete with the exception of installation coordination signatures. (CDRL A006)

8.3 Design Guidance and General Requirements

8.3.1 Use of "Or Equal" Clauses

Products or materials may be specified by describing the item to set an acceptable standard, (for example, API) or by specifying by brand or manufacturer's name, followed by the phrase "or equal." When using the "or equal" phrase, more than one acceptable brand or manufacturer's name shall be identified and the specifications shall state, "Product brand is for informational purposes only and shall not be construed as the only product available." Provide the documentation upon which the design was based with the design analysis. (CDRL A006)

8.3.2 Applicable Publications

Include in the specifications only those referenced publications that are necessary to establish a biddable standard. All references must be available for review in the Contractor's office.

8.3.3 Changes During Design

Any proposed changes to the project that alter the project design, or other similar parameters must be identified and all construction permit documentation corrected to reflect the new conditions. (CDRL A006)

8.4 Preparation of Project Cost Profile

8.4.1 Construction Cost Limitations (CCL)

Design projects within the construction cost limit as specified in the TO. (CDRL A006)

8.4.2 Cost Estimates

Prepare cost estimates on the AF Form 3052, Construction Cost Estimate, or other form as identified. For design work, submit the cost estimate on AF Forms 1178, 1178a, and 1178b, Project Cost Estimate (PCE) Work Sheets. Include with the F&R Report. (CDRL A006)

8.4.3 Successive Design Submittals and PCEs

Provide updated cost estimates with the appropriate level of detail as required by that particular submittal. Reviews of design submittals may result in significant impacts to the PCE. When this occurs, submit a revised PCE and price validation within 14 days of the receipt of those comments or the review conference, whichever occurs first.

8.4.4 Final PCE

Provide a Final PCE, with labor and material breakout, on AF Form 3052, Construction Cost Estimate. Lump sum estimates must be limited to only minor items. Separate costs into those for new work and repair and maintenance/upgrade work. (CDRL A006)

8.5 Project Support – Pre-Bid Through Construction

8.5.1 Preparation of Bid Schedule

Provide a bid schedule for each design project. Coordinate the bid schedule with the CO and include a complete list of bid items and instructions for bidding and award. (CDRL A006)

8.5.2 Pre-Bid Opening Services

Provide clarifications to questions regarding the construction documents within 3 business days to the CO. (CDRL A006)

8.5.3 Bid-Opening Services

Provide recommendations, and correct/adjust the project design, to include drawings, specifications, design analysis, and cost estimates, if the responsive low bid Current Working Estimate (CWE) overruns or under-runs the design CWE by 10% or more or \$10,000, whichever is greater. If the low bid CWE is within this “window,” the Contractor shall not be obligated to perform additional design efforts without additional compensation. (CDRL A006)

8.5.4 Construction Support Services

Provide responses to job site concerns and prepare addenda, change orders and related cost estimates during construction provided these concerns, addenda, change orders, and estimates address design errors, omissions, and deficiencies within the TO scope of work at Final Documents submission. Administer the bidding of construction and provide construction inspection support only when specified in the TO. (CDRL A006)

8.6 Submittal Requirements

The Air Force will review all submittals. In addition to the submittals specifically mentioned, TOs may identify additional submittals with a description of the requirements.

9. TITLE II TRADITIONAL SERVICES

Provide Title II services for projects related to design and construction for fuels facilities and systems. Provide services related to specific projects and missions including those identified in section 1 of this SOW.

9.1 Title II Support Services

Provide conventional Title II services including, but not limited to, meeting and conference assistance, project file maintenance and reporting, schedule evaluations, contractor performance monitoring, management and inspections services, job site evaluations, contractor payment reviews, submittal reviews, contract modifications assistance, claims support, as-built drawings assistance, shop drawing reviews, replies to requests for information, labor standard evaluations, and construction documentation. (CDRLs A006, B008, B009, B010)

9.2 Title II Support Services on Fuel Facility Services

Title II services may be obtained to support the maintenance, repair, and/or construction of DLA or other facilities of interest to the government designed by others. Title II services for projects designed under this contract will be procured within 730 calendar days after the 100% design is accepted by the government. (CDRL A006)

9.3 Technical Investigation Services

Provide services such as field and topographic surveys, utility location and capacity analysis, geotechnical investigations, and interior and exterior concept studies. Perform field investigations and research necessary to ascertain all existing conditions affecting the design and project construction. Obtain an excavation permit (AF Form 103), from the local Civil Engineer prior to any excavation or drilling in connection with a design project. Follow all local rules and coordination requirements necessary to obtain this permit including coordination within the Civil Engineer organization. After the required information and other study/design support data have been obtained, submit a Technical Field Investigation and Survey Report for record purposes and for use in Design Services work. (CDRL A006, A009)

9.4 Other Services

Perform services not associated with a specific construction project. These services may include standards development, policy and regulation development, preparing facility design guides, handbooks, tutorials and pamphlets; preparing, revising and editing Air Force Civil Engineer publications; assistance team participation; storage tank design; resource study and analysis; renderings, graphics and drafting (including CADD and/or GIS and digital media/file translation; conference organizing; time/material/labor/cost estimates; energy analysis; preparing schematics, standard or definitive designs, construction detail development; and other similar professional services. (CDRL A005, A006, A007, B008, B009, B010, B012, B013)

10. DATA MANAGEMENT

Collect, prepare, publish, and distribute the data in the quantities and types designated on the CDRL. Designate a focal point that shall integrate the total data management effort and manage changes, additions or deletions of data items. Identify items to be added, recommend revisions or deletion of items already listed on the CDRLs as appropriate, and maintain the status of all data deliverables.

11. GOVERNMENT POINTS OF CONTACT

Government POC shall be specified in each TO or provided under separate cover.

12. ABBREVIATIONS, ACRONYMS, AND TERMS

Refer to the Acronym List posted on the AFCEE website for the abbreviations, acronyms, and terms commonly used.