

**SIMPLIFIED ACQUISITION OF BASE ENGINEERING  
REQUIREMENTS**

**SABER**

**17TH CIVIL ENGINEER SQUADRON  
GOODFELLOW AFB, TX**

**VOLUME I**

**STATEMENT OF WORK  
April 2003**

## TABLE OF CONTENTS

### SECTION:

1. Project Description
2. Works by the Government
3. Technical Design Support Capabilities
4. Performance Capabilities
5. Design/Construction Requirements
6. Quality Control
7. Government Furnished Facilities and Equipment
8. Contractor Storage Location
9. Housekeeping
10. Equipment/Government Liability
11. Field Change(s)
12. Computer Requirements
13. Communication
14. Standard Hours of Work
15. Record Drawing/Jobsite Verification
16. Material Submittals/Shop Drawings
17. Welding Permits
18. Work Clearance Request/Excavation Permits
19. Testing of Materials
20. Pre-Final and Final Inspection
21. As-Built Drawings
22. Government Furnished Materials
23. Scheduling Work
24. Occupancy
25. Coordinating with Government Activities
26. Noise
27. Construction Site Maintenance
28. Fencing of Construction Site
29. Barricades
30. Contractor Parking
31. Transportation of Construction Equipment
32. Refuse/Dumpsters
33. Unauthorized Reconnaissance
34. Paving and Roadwork
35. Inappropriate Worker Behavior
36. Completion of Contract
37. Abbreviations

## **SABER STATEMENT OF WORK**

### **1. Project Description:**

A. This is an Indefinite Delivery-Indefinite Quantity contract (IDIQ) for construction efforts at Goodfellow AFB, TX. Each construction project will be awarded by an individual Task Order (TO) issued against the basic contract and specifying work in support of real property maintenance, repair, alteration, and new construction. The Base Civil Engineer (BCE) will identify construction tasks required to complete each specific job and the Contracting Office (CO) will issue request for proposals (RFPs) and award individual TOs to the Contractor to complete those jobs. The Contractor shall be required to furnish all materials, equipment and personnel necessary to manage and accomplish the work. The Contractor shall be required to maintain a management office on Goodfellow AFB to facilitate receipt of RFPs and provide other management services.

B. The Contractor shall provide sufficient technical support and project management to assure quality and completeness of designs and drawings, accuracy of estimates, accommodate a number of concurrent “active” projects, provide flexibility of design staff and subcontractor pool to handle rapid increases in work volume, perform according to schedule (including completion on time), and process submittals and payrolls in a timely manner.

### **2. Work by the Government:**

The government is not obligated to issue any particular type of work to the SABER contractor and reserves the right to accomplish work using government or other contractor work forces, as the government deems necessary or desirable, and to do so will not breach or otherwise violate this contract.

### **3. Technical Design Support Capabilities:**

A. The Contractor’s in-house minimal design capabilities are of utmost importance. Areas of required minimal design competence shall include, but are not limited to: architectural, structural, mechanical, electrical, and drafting/surveying capabilities. Minimal design effort is defined as the capability to provide builder’s plans of the type routinely developed in commercial practice and/or as provided and supplemented by industry such as pre-engineered building manufacturers, major heating ventilating and air conditioning equipment suppliers, fire suppression system suppliers and the like. The Contractor’s staff should include at least one registered Professional Engineer (PE) or architect well versed in multi-discipline design and construction supported by a Computer Aided Drafting/Design (CADD) operator(s) to support production of the minimal design efforts required. The Contractor’s designs must comply with the requirements of all building codes listed in Section 5 and Volume II, SABER Technical Specifications.

B. The Contractor must demonstrate design capabilities of providing quality, cost effective minimal design for multiple task orders simultaneously and within the time constraints stated in Section H,

Special Contract Requirements “Ordering Procedures”, which shall comply with government requirements and all applicable building codes and governing authorities. The Contractor shall be provided with the Government’s initial concept design and Statement of Work (SOW) for each TO. The Contractor shall then be responsible for further development of the government’s concept design to a point where his designs/drawings clearly indicate the proposed method of accomplishing the work, as well as the description, size, and location of all proposed elements of the work. The Contractor’s design must fully comply with the government’s concept design requirements as well as all governing codes (See Section 5 “Design/Construction Requirements”) and Vol. II, SABER Technical Specifications. The Contractor is expected to use recognized industry standard practice in determining his proposed design materials and methods, unless the government specifies otherwise.

C. The Contractor shall be capable of limited surveying to layout the project work sites to perform his work and where grading or drainage are involved. Drawings shall clearly indicate both existing and new spot elevations.

#### **4. Performance Capabilities:**

A. As a minimum, the Contractor shall maintain the following management and technical support capabilities at his Goodfellow AFB, SABER office throughout the duration of this contract for work exclusively on SABER TO’s. An organization chart shall be provided fully depicting all staff members, their title, full or part time, and whether they are located on or off site and updated as changes occur.

1) Contractor’s Project Manager (CPM) - Provide overall contract management of the prime contract to include subcontract purchasing and administration, contractor review of material submittals and shop drawings, full authority to develop cost proposals, negotiate and sign task orders, supervise individual project superintendents, and attend all joint Government/Contractor status meetings as well as site visits, pre-performance conferences, pre-final and final inspections. The CPM shall be available during normal duty hours within 30 minutes after notification to meet with the Contracting Officer (CO) at a location selected by the CO. CPM must have a minimum of 1 year previous experience as primary manager of a SABER, SABER type contract or general contracting firm engaged in similar multiple discipline commercial construction projects.

2) Drafting - Drafting support must be capable of producing accurate and complete proposal and construction drawings for several task orders simultaneously within the time constraints specified in Section H, Special Contract Requirements “Ordering Procedures”. CADD operator(s) shall be on site.

3) Cost Estimating/Negotiating - Provide estimating and negotiating support with experience in development of detailed quantity take-off and cost estimates for multi-discipline commercial construction projects. Must provide capability to negotiate at least three (3) task orders simultaneously. Primary negotiator must have previous experience in line-item negotiation.

4) Site Superintendence - Provide on-site superintendence for up to 20 active task orders at a time. Site supervision shall include a minimum of twice daily visits to each active project site, submission of

detailed semi-monthly progress reports for each task order, scheduling and coordination of subcontractors and material suppliers, and attendance at all site visits, pre-performance conferences, pre-final, and final inspections. Superintendents shall have a minimum of 1 (one) year previous experience as a project superintendent (exclusive of time employed as a tradesman or working foreman) for a general contracting firm overseeing one or more multi-discipline commercial construction projects.

5) Quality Control and Safety Management: The Contractor shall provide a Quality Control Manager (QCM) to provide quality control and safety management for up to 20 task orders at a time. The QCM shall perform a minimum of twice daily site visits to each active project site to ensure full compliance with all safety requirements, verification that the work and materials in place and stored on site are in accordance with the approved construction drawings, shop drawings, and material submittals. The QCM shall submit daily field notes recording activities at each project site, prepare and coordinate material submittal sheets and shop drawing submittals, prepare quality control reports, attend all pre-final and final inspections, and schedule and coordinate testing procedures. Quality control and safety management should be carried out by someone other than the CPM or site superintendent.

B. Design - Design support must be capable of producing accurate and complete proposal and construction drawings for several task orders simultaneously within the time constraints specified in Section H, Special Contract Requirements "Ordering Procedures". Design support must have previous experience in building design and basic knowledge of architectural, civil, structural, mechanical, and electrical design and cost estimating. A registered PE or architect shall be on staff and available to support work requiring their knowledge/, skills, and abilities .

C. Required experience levels shall be maintained throughout the duration of the contract. When personnel changes are required, resumes and a revised organization chart shall be submitted to the CO for approval.

## **5. Design/Construction Requirements:**

A. All design and construction under this contract shall comply with the edition of the following Building Codes in effect on the date of this solicitation and Volume II, SABER Technical Specifications unless the Contractor is directed otherwise by the government. Any exception must be approved in writing by the government prior to construction start-up.

- 1) Uniform Building Code
- 2) Uniform Mechanical Code
- 3) National Plumbing Code
- 4) National Electrical Code
- 5) Life Safety Code - 101
- 6) National Fire Code
- 7) Federal Register/Vol. 56, No. 144/1991. Handicap Accessibility Standards
- 8) MIL Handbook 1008C

- B. The Contractor shall maintain or have access to these documents at his SABER office on Goodfellow AFB for use during the term of this contract.
- C. If there is a conflict between these codes and Vol. II, SABER Technical Specifications, the most stringent requirements shall apply, unless specifically requested otherwise in writing to the government.

## **6. Quality Control:**

- A. The Contractor bears full responsibility for quality control, safety and environmental stewardship on all project sites.
- B. The successful contractor will be required to institute a comprehensive Quality Control Program in order to assure himself and the Government that all materials and workmanship are in strict accordance with the provisions of the specifications and drawings and the job sites are safe and environmentally sound.
- C. The Quality Control Program specifically and exclusively relates to the acceptable completion of work and subsequent government inspections and approvals. It is the Contractor's responsibility to provide, inspect, and document the level of quality that has been established by the minimum standards of the SOW and the individual TOs.
- D. The Contractor shall submit a Quality Control Plan acceptable to the government prior to commencement of work. This Quality Control Plan shall address all phases of the construction process to ensure all components of construction meet industry standards.
- E. Quality Control Manager: The Quality Control Manager shall direct the execution of the Contractor's Quality Control Plan with responsibility for administration of the plan and inspection of work. The Quality Control Manager shall be available during normal duty hours within 30 minutes after notification to meet with the CO at a location selected by the CO.

## **7. Government Furnished Facilities and Equipment:**

- A. The Government may provide a space for the Contractor to set his office trailer to conduct business on this SABER contract. No other business transaction, of any type, may be operated out of that office. The Contractor is responsible for providing a commercial telephone service. Any other equipment, such as communications and material handling equipment, and administrative supplies necessary for contractor operation will be furnished by the Contractor at his expense.
- B. The Contractor shall maintain his office area in a clean condition and free from clutter.
- C. The Government shall provide the Contractor a copy of all as-builts/record drawings in a five CD set.

D. Access to the Goodfellow LAN system to facilitate/expedite communications between the CO and the Contractor will be explored, however cannot be guaranteed.

### **8. Contractor Storage Location:**

A. The Contractor may be provided an area adjacent to his office trailer location to stage materials, store equipment and tools, and maintain miscellaneous items. This area shall be secured by the Contractor, and any losses to the contained equipment/materials shall not be the fault of the government.

B. The area shall be maintained in a neat and orderly appearance. The CO may instruct the Contractor to clean the storage area if it is deemed necessary. The Contractor shall respond within two (2) hours of being notified by the CO, and immediately clean the area. This cleanup is considered fulfillment of the basic contract and charges shall not be applied back to the government.

### **9. Housekeeping:**

The Contractor shall furnish his own housekeeping and janitorial services for his office space. The Contractor is required to maintain the facilities in a neat appearance at all times.

### **10. Equipment/Government Liability:**

A. All contractor-supplied equipment is the sole responsibility of the Contractor. The government is not liable for the theft, vandalism, or damage of any contractor supplies or equipment left on the job site. The Contractor shall secure his materials and protect all equipment from damage. Contractor's equipment shall not be left unattended in the housing areas.

B. Any equipment/material which the Contractor removes (and reinstalls as part of the job requirements) shall be the responsibility of the Contractor unless otherwise stated in the TO or as directed by the Contracting Officer. All damaged material shall be replaced by the Contractor at his own expense.

C. The Contractor shall protect government equipment, which is to remain in place within the area of contract operations against damage or loss. Equipment temporarily removed shall be protected, cleaned and replaced equal to or better than its condition prior to starting work.

### **11. Field Changes**

The Contractor and the Government may agree to perform a no-cost field change. Field changes are made when the change appears to be mutually beneficial to all parties and would not require changing the negotiated line items. Examples of field changes include: relocating a new door 2' away from planned location; rerouting planned location of sidewalk to avoid a tree (when quantities are not significantly changed); installing wallpaper border at chair rail instead of at ceiling, etc. All field changes must be approved in advance by, as a minimum, the Contractor, BCE, and the CO prior to execution.

## **12. Computer Requirements:**

A. The Contractor shall provide, install, and maintain his own computer hardware for operating the SABER TO estimating/proposal process.

B. The Government will provide the Contractor one copy of the estimating software. This shall reside at the Contractor's office at Goodfellow AFB throughout the term of this contract and shall be used exclusively for estimating SABER TOs. All government-supplied software shall remain the property of the government, and shall be returned to the CO not later than the last day of the contract performance period.

C. All drawings submitted by the Contractor shall be created using CADD software. These drawings files shall be compatible with the latest version of AutoCAD, without any need for translation or modification by the government. NOTE: Custom menus, linotypes, and text styles will not be used without prior approval of the Unit CAD/GIS Manager. All application software used by the Contractor to create all or part of the drawing files must be compatible with the latest version of AutoCAD (reference Section 21, "As-Built Drawings" for other CADD requirements).

D. The Contractor shall furnish, install and maintain CADD hardware and software, which is compatible with the latest version of AutoCAD. AutoCAD drawings shall comply with the Tri-Service Center's A/E/C and Spatial Data Standards which can be found at the following website:  
<http://tsc.wes.army.mil/products/standards/aec/intro.asp>

E. The Contractor must submit all drawings of a project on the same type media. The media must be compatible with current government available hardware. A list of currently acceptable media is listed below; as technology advances and the government upgrades, other media may become available for use.

- 1) 3.5", double sided, high density (1.44 megabyte) disks
- 2) CD ROM

## **13. Communication:**

A. The Contractor shall provide and maintain a complete operable voice, two-way communication system for the following personnel:

- 1) Contractor's Project Manager
- 2) Contractor's Site Superintendent(s)
- 3) Contractor's Quality Control Manager(s)

B. A contractor staff member shall visit the 17<sup>th</sup> Contracting Squadron, Bldg 707, at least once each workday for distribution of correspondence.

C. The contractor will submit daily construction reports for each active TO, indicating, at a minimum, the trade and number of personnel and a description of work performed.

#### **14. Standard Work Hours:**

A. Standard work hours shall be Monday through Friday from 7:30 A.M. to 4:30 P.M. excepting days observed as Federal Holidays as listed below:

New Year's Day	1 January
Martin Luther King's Birthday	Third Monday in January
President's Day	Third Monday in February
Memorial Day	Last Monday in May
Independence Day	4 July
Labor Day	First Monday in September
Columbus Day	Second Monday in October
Veterans Day	Second Monday in November
Thanksgiving Day	Fourth Thursday in November
Christmas Day	25 December

AETC Designated Family Days: 3 July 2003  
28 November 2003  
26 December 2003  
2 January 2004

Holidays falling on Saturday are observed on the preceding Friday. Holidays falling on Sunday are observed on the succeeding Monday.

B. The Contractor may request to work on a weekend, after hours, or on a holiday. This request must be submitted in writing to the CO a minimum of 2 full work days prior to the requested date, with a description of the type of work to be accomplished on that date. The government reserves the right to approve or deny the request. Contractor's request to work outside standard work hours does not fall under the line items for non-standard pay.

#### **15. Record Drawing/Jobsite Verification**

The government agrees to provide all known and relevant drawings as an electronic file or paper copy to the Contractor for the performance of work (see paragraph 7). However, the integrity of these drawings is not guaranteed, and the Contractor must field verify all items on the drawings. The existing dimensions and locations shown on the applicable drawings are for approximation purposes only. Failure to verify the dimensions, conditions, and locations of items on government furnished record drawings shall not relieve the Contractor of responsibility for his design and will not give the Contractor a basis for reimbursement of cost increases.

#### **16. Material Submittals/Shop Drawings:**

A. Reproducible Shop drawings, manufacturers data, dated certifications, test reports, and samples are examples that constitute the project submittals. All submittals shall be attached to an AF Form 3000 with the TO title, project number, and TO number clearly indicated. Three (3) copies of each submittal shall be forwarded to the CO for approval. One copy will be returned to the Contractor.

B. Submittals shall be legible, and shall include all technical data needed to verify that the item meets requirements of the UPB line item description and Vol. II, SABER Technical Specifications.

### **17. Welding Permits:**

No welding shall be permitted without first obtaining a permit (AF Form 592, Welding, Cutting, Brazing Permit) issued by the Base Fire Department. All fire and safety regulations are to be followed stringently. Contractor's failure to obtain a welding permit may not be reason for time extension to the TO performance period.

### **18. Work Clearance Request/Excavation Permits:**

A. The Contractor **shall obtain and process** an AF 103, Base Civil Engineering Work Clearance Request, prior to start of construction operations. The Contractor shall provide drawings showing exact location and description of the type of work and excavation to be accomplished. The GPM shall assist the CPM/QCM in obtaining the AF 103, however **it is the responsibility of the Contractor to have a completed AF 103 prior to start of construction activities**. The contractor shall provide drawings and details showing exact location and description of the type of excavation to be accomplished. Should any one of the coordination points indicate an additional underground utility or structure over and above those shown on the contract drawing either by sketch on the contractor's drawing by field pointing or by flagging, the contractor shall be responsible for protection of each of the items indicated. The Contractor will maintain a copy of the completed AF 103 at the job site during any excavation.

B. The Government will exercise reasonable attempts to identify/locate buried lines. "In the area" is typically considered three feet in all directions from the mark. Any lines identified by flags or identified on the drawings/digging permit shall be avoided by the Contractor. If these lines are broken, all repair costs for damages shall be incurred by the Contractor. If the broken line is not flagged or identified on the drawings, the repair cost will be incurred by the government, unless determined otherwise by the CO. If the Contractor is deemed responsible for the damaged line, he shall immediately repair the line to its prior condition.

C. The Contractor shall immediately notify the CO when any utility line is damaged. Also, the Contractor shall immediately notify the fire department in the event a gas line is broken or damaged.

### **19. Testing of Materials:**

A. All tests of materials or systems provided under this contract which are charged as a direct expense to a TO shall be certified and submitted in the original form under the cover of an AF Form 3000, Material Submittal.

B. Concrete compressive strength test cylinders or borings shall be taken in the presence of, and as directed by the GPM. The Contractor shall notify the GPM 24 hours prior to placement of any concrete. The Contractor shall label test cylinders immediately with black permanent marker to clearly indicate the cylinder number, project JCGU number, and date.

C. Compaction test of fill material shall be performed in the presence of the GPM, who will specify the location where each test is to be taken. Compaction tests will typically be required for each lift. The Contractor shall notify the GPM of the scheduled time and date for testing each lift at least 24 hours in advance. Any compaction test performed without the GPM present will not be accepted.

## **20. Pre-Final and Final Inspection:**

A. The Contractor may request a pre-final inspection for the purpose of having the government assist in identifying discrepancies or punch-list items prior to the final inspection. Any discrepancies identified at the pre-final inspection must be completed before the final inspection, unless waived by the CO.

B. When the Contractor is ready for final inspection, the Contractor shall submit as-built drawings, with CADD disk; if applicable, a quality control (QC) report signed by his QCM listing any discrepancies; a completed DD Form 1354 checklist for real property documentation purposes (a copy of which will be provided to the Contractor upon request); and, a written request for final inspection to the CO. Final inspections shall be requested a minimum of 24 hours prior to the desired date, unless waived by the CO. The Contractor shall schedule final inspection in sufficient time to allow for final clean-up and acceptance NO LATER THAN the specified contract completion date, the only exception would be due to government scheduling problems.

C. The final inspection will be conducted with the CO or CA, QCM, superintendent, GPM and CPM if desired. If during a final inspection it is obvious that the job site is not ready for final inspection, the inspection will be terminated and rescheduled after a minimum of a 24-hour waiting period. If the final inspection was scheduled and terminated the contractor may be assessed Liquidated Damages in accordance with the basic contract.

D. The BCE reserves the right to assign a GPM to monitor contractor progress, and identify non-compliance items while performing technical surveillance of workmanship. The GPM must have access to the job site whenever work is being performed, and as a minimum, during the described work hours. This in no way authorizes ANYONE, except the CO, the right to commit the government financially, or contractually, by making changes to the contract.

## **21. As-Built Drawings:**

A. During progress of work, the Contractor shall keep a careful record at the job site of all changes and corrections from the layouts shown on the drawings. The Contractor shall enter such changes and corrections on record drawings promptly. The record drawings shall also indicate the actual location of all subsurface utility lines. The record drawings shall show each change in direction by offset dimensions to two permanently fixed surface features. Valves, splice boxes, etc. shall be located by dimensioning along the utility run from a reference point. The depth below the surface of each run shall also be recorded. At the time final inspection is requested, the Contractor shall submit as-built drawings using the latest version of AutoCAD on disk (see Section 12). A final inspection will not be scheduled unless as-built drawings are submitted with the request for final and the QC report.

B. All drawings submitted by the Contractor shall be created from CADD software. These drawing files shall be compatible with the latest version of AutoCAD, without any need for translation or modification by the government. All application software used by the Contractor to create all or part of the drawing files must be compatible with the latest version of AutoCAD. The Contractor shall furnish one drawing file for each drawing sheet submitted (multiple drawing sheets per drawing file will not be accepted). These files may be sheet borders that reference data files, but there must be a directory map of which file references which. The Contractor shall provide one set of media containing the computer drawing files for each project. In general, the Contractor shall provide all data necessary to display and plot the files produced for each specific project.

1) Software Delivery Format: Drawings shall be provided in the following format: AUTOCAD design package.

2) Media Format: All data shall be provided on one of the media types specified in paragraph 12. The external label on the media itself shall show the utility used to create the disk, the save set name, the date of creation, the disk volume number, and a description of the disk's contents. A sample label is shown below:

**SAMPLE DELIVERABLE DISK LABEL**

Disk Utility Used:	Density:
Save Set Name:	Date:
Vol. ___ of ___:	Retape by:
Contents: Project name, number, type of discipline, etc.	

3) CADD File Naming Requirement: All drawing files submitted by the Contractor shall be named in relation to the government's project number. All project numbers assigned by the government have a minimum of six characters. Occasionally a seventh character is added when several projects are related. When the project number consists of six characters the Contractor should assign the seventh character to be a letter of the alphabet, which corresponds to the discipline of the drawing, and assign the eighth character a letter, which represents the sheet number (Ex. 931265A. DWG).

4) CADD File Layering Requirements: The Contractor shall adhere to the Tri Service Center's A/E/C Standards (dated June 1995) and Spatial Data Standards (dated July 1995) as applicable. The standards may be obtained in electronic form from the following website

<http://tsc.wes.army.mil/products/standards/aec/intro.asp>

or ordered through the U.S. Army Engineer Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199. New layer names MUST be approved by the civil engineering unit CAD/GIS Manager.

5) Graphic Requirements: All graphic symbols used within the drawings shall be in accordance with Tri-Service Center's A/E/C Standards and their Spatial Data Standards.

6) Where conflicts arise with the standards, the civil engineering unit CAD/GIS Manager shall provide resolution.

C. General: The Contractor shall provide all data necessary to display, edit, and plot the files produced for each project.

## **22. Government Furnished Materials (GFM):**

A. On occasion, the government may choose to supply the Contractor with materials to accomplish project requirements. If this occurs, the UPB prices for labor and equipment only will be used. They are considered as pre-priced. The Contractor can in no way adjust his price. The materials are to be cared for by the Contractor, and excess materials are to be returned to the government.

## **23. Scheduling Work:**

A. The Contractor shall schedule work concurrently on all active TOs, without extending performance periods due to insufficient resources. The Contractor will not move crews around constantly while making minimal progress on numerous projects. This is perceived as having an inadequate work force to fulfill the requirements of the contract. When the performance period for any TO is 60 days or longer, the Contractor shall be required to submit AF Form 3064, Contract Progress Schedule and AF Form 3065, Contract Progress Report in accordance with contract clause 52.236-15, Schedules for Construction Contracts. The AF Form 3064, Progress Schedule, shall be submitted for approval within five (5) after Notice to Proceed.

B. Furniture and portable office equipment in the immediate area shall be moved by the Contractor and replaced to original position upon completion of the work. If the work required by the TO will not allow furniture and portable office equipment to be replaced to its original position, new locations will be designated by the CO.

C. Delivery of materials and equipment shall be made with a minimum of interference to government operations and personnel.

D. When specifically requested by the government prior to completion of negotiations for a TO, the work shall, so far as practicable, be done in definite sections or areas and confined to limited areas which shall be completed before work in other areas is begun. These areas shall be clearly annotated on the Contractor's construction drawings. The work areas may be occupied or unoccupied.

**24. Occupancy:**

A. This contract includes work in multiple use type facilities. They may or may not be occupied when work is in progress. All work in medical facilities must be coordinated through the CO with medical staff liaisons to minimize interruption of service. All work in family housing units must be coordinated through the CO with family housing office staff liaisons to minimize inconvenience to housing occupants. It shall be the Contractor's responsibility to take whatever measures are necessary to assure the protection of occupant's assets, furnishings, equipment, etc., and to perform the work so as to cause minimal disruption of ongoing activities in occupied areas.

B. Any temporary construction (example: dust partitions) shall be subject to prior approval of the BCE through the CO.

**25. Coordinating with Government Activities:**

A. The Contractor shall adhere to the requirements of each individual user organization established during the course of negotiations. However, any infringement on the normal working conditions (i.e. closing a hallway) shall be coordinated through the GPM at least 24 hours in advance. Contractor will be advised of special requirements (i.e. noise limitation) before negotiations.

B. If it becomes necessary to interrupt the using agency's work activities in buildings and/or areas for construction purposes, permission to do so must be requested in writing to the CO five (5) working days in advance. Written requests for street closings shall be submitted for approval seven (7) calendar days prior to closing of the street.

C. Work in connection with this contract requiring utility outages (electrical, water, gas, etc) which will close down or limit normal activities in the building will be coordinated through the CO. Requests for utility outages shall be submitted in writing to the CO for approval 14 calendar days in advance. Utilities will not be turned on and off by the contractor, the contractor will be responsible for coordinating through the GPM for scheduling Base civil engineering personnel for this purpose.

D. All work in secure areas shall be under escort by government personnel. The Security Police may require a local agency check of all personnel involved in the accomplishment of the work prior to commencement of work. When notified of this requirement the Contractor should allow approximately 30 days for this check.

**26. Noise Control:**

The Contractor shall comply with all applicable state and local laws, ordinances, and regulations relative to noise control. The government may require work which generates excessive noise be scheduled at other than standard work hours.

**27. Construction Site Maintenance:**

A. Contractor shall store all supplies and equipment for each TO on project site as practicable so as to preclude theft or damage; the CO will designate storage area locations. All supplies and equipment on the project site shall be stored so as to preclude mechanical and climatic damage. Site shall be maintained in a neat and orderly manner.

B. The Contractor shall dispose of all trash and debris generated during the contract. Disposal shall be by sanitary landfill or other approved methods and shall conform to all local, state, and federal guidelines and regulations. Under no circumstances shall the Contractor dispose of wastes or excess material in trash dumpsters, storm sewers, sanitary sewers, creeks, streams or other property of Goodfellow AFB. Contractor's attention is directed to Section 01410-Environmental Protection, for special requirements on disposal of waste types. Certified dump tickets, indicating the project number for the originating job site, shall be submitted to the CO for all waste disposal.

C. The Contractor shall store all refuse in appropriate trash containers on the job site. Location for a dumpster at the site shall be as directed by the GPM.

D. All mud, dirt, debris, foreign objects, or spills of any kind from the Contractor's operations (including subcontractors and suppliers) on streets and parking lots used as access to the work or staging areas, shall be cleaned off the same day.

E. The Contractor shall have all refuse removal trucks covered and secured prior to leaving the job site. If any materials are observed falling off the trucks, the truck shall be stopped and reloaded to prevent damage caused directly or indirectly by falling debris, to any other vehicles. The Contractor shall bear the monetary responsibility to repair all damage associated with falling debris.

F. There are no approved concrete truck clean-out sites on base; however, concrete truck chutes only may be rinsed at the construction site. The Contractor will be responsible for the cleanup of material generated as a result of the rinsing operation. If the concrete truck cleans out anywhere else on base, clean up charges will be billed back to the Contractor.

G. The base dumpster contract supplies dumpsters for government produced refuse only. The Contractor shall not dump refuse from any SABER project in the government dumpsters. If the CO discovers SABER refuse in government dumpsters, he may instruct the Contractor to immediately remove the refuse, or have government resources remove it at the Contractor's expense.

H. The Contractor shall remove each dumpster prior to final inspection. The Contractor shall repair any damage to the surface the dumpster may have caused.

I. Each project site must be cleaned up at the end of each day. All debris (whether blown in or contractor generated) on the job site shall be picked up and disposed of properly. All materials shall be neatly stacked and secured to prevent wind gusts from blowing materials around base. If the CO deems the site is unsightly (beyond normal construction), or safety indicates unsafe conditions from clutter, or other miscellaneous incidents, he may instruct the Contractor to immediately halt construction and clean up the site. Final clean-up costs associated with a project may be direct TO costs. All surfaces not directly associated with the project requirements shall be returned to original condition at the conclusion of the project (this includes but is not limited to accesses, grass, dirt, sprinkler systems, etc.).

J. Trees, Shrubs, and Hedges: The Contractor shall take appropriate measures to prevent injury to plants on or near the project site unless designated for removal. The Contractor shall not remove or prune any plants without approval from the CO or his designated representative. Plants, which are damaged during construction, shall be replaced at no expense to the government with a one (1) year warranty. Replacement plantings shall be accomplished between 1 November and 1 April. Damaged trees shall be replaced with Class 1 trees, minimum 2" caliper, as defined in Texas Agriculture Extension Service (TAES) publication L-1683, evaluation of Texas Shade Trees, June 1987. Damaged shrubs or hedges shall be replaced with plants of equal size and type.

## **28. Fencing of Construction Site:**

The Contractor shall use construction fencing to enclose a work area whenever there is potential hazard to passersby such as open excavation, heavy equipment, falling debris, hazardous materials, etc. Fencing shall be considered contractor supplied equipment and should be factored into the Contractor's coefficient, unless the CO deems the individual TO requirements so extensive as to warrant separate payment under the individual TO. Construction fencing shall be maintained in good condition throughout each TO performance period.

## **29. Barricades:**

A. The Contractor shall provide and maintain an adequate supply of movable barricades for use on SABER job sites. Each barricade shall be self-supporting, wood or metal construction, minimum of 42" high, with reflective surfaces.

B. These barricades shall be considered contractor supplied equipment and should be factored into the Contractor's coefficient. They shall be maintained in good condition throughout the contract period and remain the property of the Contractor.

C. Barricades on streets or in areas with heavy pedestrian traffic must have battery-powered flashers for night use. Cones may only be used to temporarily block pedestrian traffic. Extended pedestrian blockages, or road traffic must use barricades with tape strung between. All barricades (up to 100 linear feet), cones, etc., are part of the Contractor supplied equipment/supplies and shall be factored

into the Contractor's coefficient, unless the CO deems the individual TO requirements so extensive as to warrant separate payment under the individual TO.

D. All open excavation shall be secured with barricades, webbed fencing, or flashing lighted barricades on all sides, and have nylon web construction fencing completely surrounding the site, a minimum of 5' away from the hole.

E. All excavation sites in housing areas shall be covered with plywood at all times the job site is not manned, and shall have temporary nylon web fence and, if directed, barricades, installed around sites. All tools shall be secured in such a way as to prevent any injury to children, and clearly barricaded/fenced off with warning tape surrounding the items. Plywood used for barriers; barricades and fencing (up to 100 linear feet); cones, etc., are part of the Contractor supplied equipment/supplies and shall be factored into the Contractor's coefficient, unless the CO deems the individual TO requirements so extensive as to warrant separate payment under the individual TO.

### **30. Contractor Parking:**

The Contractor shall inform his employees, suppliers, and subcontractor's that their vehicles shall not be parked on grass surfaces at any time. In addition, vehicles may not be driven over grass surfaces, unless indicated during site visit or pre-performance conference.

### **31. Transportation Of Construction Equipment:**

The Contractor shall not drive any construction equipment with metal wheels or tracks (i.e. roller, excavator, etc.) on the streets of Goodfellow AFB. All equipment shall be loaded on a trailer and hauled to the location.

### **32. Refuse/Dumpsters:**

All dumpsters shall be emptied before the debris gets higher than the sides of the dumpster. The CO may instruct the Contractor to remove the dumpster, or replace with an empty, due to overfilling in which case the Contractor shall accommodate within 4 hours at no additional cost to the government.

### **33. Unauthorized Reconnaissance:**

The Contractor shall inform all personnel working under this contract (including subcontractor and visiting supplier personnel) that access to areas outside of the immediate work area (excluding restrooms near the work site, public eating facilities, direct haul and access routes, CO and BCE, and points of supply and storage) is prohibited. Persons engaged in unauthorized reconnaissance of other contractor or government activity will be referred to the CO for disposition.

### **34. Paving and Roadwork:**

Prior to start of any paving or roadwork, the Contractor shall coordinate start and completion dates in writing with the CO 14 calendar days prior to the scheduled start date.

**35. Inappropriate Worker Behavior:**

The Contractor assumes responsibility for the actions of all his employees, subcontractors, and suppliers when on Goodfellow AFB. In accordance with contract clause 52.236-5, entitled Material and Workmanship, the Contracting Officer may require, in writing, that the Contractor remove from the work any employee the Contracting Officer deems incompetent, careless, or otherwise objectionable.

**36. Completion of Contract:**

At the conclusion of this contract, the Contractor shall be required to vacate the areas provided to him including, but not limited to: office area, storage area, individual work sites. The Contractor shall return the area to its original condition, and shall do so within 14 calendar days of being notified by the CO, or the conclusion of this contract, whichever comes first.

## ABBREVIATIONS

A-E	Architect-Engineer
BCE	Base Civil Engineer
CADD	Computer-Aided Drafting/Design
CE	Civil Engineer
CFR	Code of Federal Regulations
CO	Contracting Officer
DSHD	Double-Sided High Density
EPA	Environmental Protection Agency
GFE	Government Furnished Equipment
GFM	Government Furnished Material
GPM	Government Project Manager
IDIQ	Indefinite Delivery-Indefinite Quantity
LD	Liquidated Damages
MSDS	Material Safety Data Sheets
NPI	Non-Priced Items
NTP	Notice to Proceed
PC	Personal Computer
PE	Professional Engineer
PM	CE Project Manager
QC	Quality control
QCM	Quality control manager
RFP	Request for Proposal
SABER	Simplified Acquisition of Base Engineering Requirements
SOW	Statement of Work
TAC	Texas Administrative Code
TAES	Texas Agriculture Extension Service
UPB	Unit Price Book