

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. <i>(If applicable)</i>
6. ISSUED BY	CODE	7. ADMINISTERED BY <i>(If other than Item 6)</i>	CODE

8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>	(X)	9A. AMENDMENT OF SOLICIATION NO.
		9B. DATED <i>(SEE ITEM 11)</i>
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED <i>(SEE ITEM 11)</i>
CODE		FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers 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 your 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 ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> 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 <i>(such as changes in paying office, appropriation date, etc.)</i> 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 <i>(Specify type of modification and authority)</i>

E. IMPORTANT: Contractor is not, 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.)*

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 <i>(Type or print)</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
<i>(Signature of person authorized to sign)</i>	<i>(Signature of Contracting Officer)</i>

Item 14. Continued.

CHANGES TO VOLUME I – PROJECT INFORMATION, BIDDING REQUIREMENTS, CONTRACT FORMS, AND CONDITIONS OF THE CONTRACT

1. Replace the Price Proposal Schedule, (pages 00010-3 through 00010-5), with the accompanying new Price Proposal Schedule, (pages 00010-3 through 00010-5), bearing the notation "ACCOMPANYING AMENDMENT NO. 0004 TO SOLICITATION NO. DACA63-02-R-0011."
2. Replace the following Sections with the attached new Sections of the same number and title, bearing the notation "ACCOMPANYING AMENDMENT NO. 0004 TO SOLICITATION NO. DACA63-02-R-0011."

SECTION 00120 PROPOSAL SUBMISSION REQUIREMENTS
SECTION 00150 PROPOSAL EVALUATION AND CONTRACT AWARD

3. Section 00500 FORMS – Add the attached "CONTRACTOR PERFORMANCE REPORT" at the end of this section.
4. Write-in change to Section 00700 CONTRACT CLAUSES – Revise clause "52.211-10" to read as follows:

"52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than **the number of days shown in Section 01000, Design and Construction Schedule*** The time stated for completion shall include final cleanup of the premises.

*The Contracting Officer shall specify either a number of days after the date the contractor receives the notice to proceed, or a calendar date.

(End of clause)"

CHANGES TO VOLUME II – DESIGN AND PERFORMANCE REQUIREMENTS

5. Replace the following chapters with the accompanying new chapters of the same number and title, bearing the notation "ACCOMPANYING AMENDMENT NO. 0004 TO SOLICITATION NO. DACA63-02-R-0011:"

CHAPTER 111 FACILITY PERFORMANCE
CHAPTER D5 ELECTRICAL POWER
CHAPTER D7 TELECOMMUNICATIONS
CHAPTER G12 EARTHWORK
CHAPTER G33 STORM SEWER

CHANGES TO VOLUME III – SPECIFICATIONS

6. Replacement Sections – Replace the following sections with the accompanying new sections of the same number and title, bearing the notation "ACCOMPANYING AMENDMENT NO. 0004 TO SOLICITATION NO. DACA63-02-R-0011:"

SECTION 01000 DESIGN AND CONSTRUCTION SCHEDULE

CHANGES TO VOLUME IV – ATTACHMENTS

7. Write-in change to ATTACHMENT B GEOTECHNICAL REPORT, Pages B-16 and B-17 - Add the following note to subparagraph (a) Hardstand and Access Drives shown on page B-16:

**“Base Bid: Hardstand Pavement will be Resin Modified Pavement.
Option No. 3: Hardstand Pavement will be Concrete Pavement in lieu of Resin Modified Pavement.”**

CHANGES TO THE DRAWINGS

8. Drawing Sheet “A-6 Area Requirements Schedule”.- Delete this drawing in its entirety.

9. New Drawings.- The new drawing listed below which accompanies this amendment, bearing the notation "AM #0004" shall be added to and become a part of the contract documents:

E-4 Exterior IBCT - Communication

10. Replacement Drawings.- Replace the drawings listed below with the attached new drawings of the same number, bearing the notation "AM #0004":

Cover Sheet & Index of Drawing Attachments

A-1 Functional Requirements

A-3 Design Analysis

A-5 Performance Standard Criteria

A-7 Features Of Functional Areas

B-1 Floor Plan

B-2 Building Elevations

B-3 Building Elevations

B-6 Door Schedule

B-7 Roof Plan

C-5 Proposed Site Layout Plan

C-6 Proposed Site Utility Plan

E-1 Exterior Electrical/Communication Site Plan 1

11. Note: The .dgn files which were issued with the solicitation have also been updated. For list of updated .dgn files see “.....amends\am_4\dgn\dgnfiles.txt”.

END OF AMENDMENT

Solicitation No.DACA63-02-R-0011

PRICE PROPOSAL SCHEDULE
(To be attached to SF 1442)

Design-Build Tactical Equipment Shop FY02
Fort Hood, Texas

BASE BID: All work required by the Contract documents for the design and construction of the Ft Hood Tactical Equipment Shop exclusive of work required by Option Bid Items.

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
0001	All work to design and construct the Tactical Equipment Shop, Complete, Including all <u>(AM#1)</u> , utilities to the 1524 mm (5-foot) line, and exclusive of all other work listed separately.				
		Sum	Job	***	\$ _____
0002	<u>All work to design and (AM#3)</u> Construct all Exterior Work outside the building's 1524 mm (5-foot) line (Including utilities to the Fort Hood utility tie-in, earthwork, paving, sidewalk, parking lot paving, curb and gutter, turfing, <u>(AM#1)</u> , and all other work not listed separately)				
		Sum	Job	***	\$ _____
0003	<u>Mobilization and Demobilization (AM3#)</u>	Sum	Job	***	\$ _____
0004	Final Record Drawings	Sum	Job	***	\$ <u>50,000.00</u>

TOTAL BASE BID \$ _____

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PRICE PROPOSAL SCHEDULE

0005 OPTION NO. 1:

Additional cost for all work required by the plans and specifications for using epoxy floor covering in lieu of the hardener/sealant used in the Base Bid. (AM#1)

TOTAL OPTION NO. 1 \$ _____

0006 OPTION NO. 2:

Additional cost for all work required by the plans and specifications to construct a Truck Loading Dock including Concrete loading dock, Concrete pavement, storm drainage pipe and structures, site grading, and demolition of existing pavement. (AM#2)

TOTAL OPTION NO. 2 \$ _____

0007 OPTION NO. 3:

Additional or Deductive cost for all work required by the plans, specifications and attachment B - Geotechnical Report to Construct Concrete Hardstand in lieu of Resin Modified Pavement.* (AM#4)

TOTAL OPTION NO. 3 \$ _____

*Note: Deductive amounts should be denoted by a negative sign (-), parentheses, or brackets. (AM#4)

TOTAL BID (BASE BID PLUS OPTION NOS. 1, 2 and 3) \$ _____

0008 Completion Time for all work (not to exceed the maximum time stated in Section 01000 DESIGN AND CONSTRUCTION SCHEDULE).

PROJECT COMPLETION TIME: _____ Calendar Days

NOTES:

1. ARITHMETIC DISCREPANCIES (EFARS 14.407-2)

(a) For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the bidding schedule as submitted by bidders:

- (1) Obviously misplaced decimal points will be corrected;
- (2) In case of discrepancy between unit price and extended price, the unit price will govern;
- (3) Apparent errors in extension of unit prices will be corrected; and

NOTES: (cont)

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PRICE PROPOSAL SCHEDULE

- (4) Apparent errors in addition of lump-sum and extended prices will be corrected.

(b) For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends his bid to be evaluated on the basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

(c) These correction procedures shall not be used to resolve any ambiguity concerning which bid is low.

2. If a modification to a bid based on unit prices is submitted, which provides for a lump sum adjustment to the total estimated cost, the application of the lump sum adjustment to each unit price in the bid schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every unit price in the bid schedule.

3. Bidders must bid on all items.

4. Costs attributable to Division 01 - General Requirements is assumed to be prorated among bid items listed.

5. Responders are advised that this project may be delayed, cancelled or revised at any time during the solicitation, selection, evaluation, negotiation and/or final award process based on decisions related to DOD changes in force structure and disposition of the Armed Forces.

6. EXERCISE OF OPTIONS (SWDR 715-1-1 (16 January 1996))

The Government reserves the right to exercise the option(s) by written notice to the Contractor either singularly or in any combination for up to 90 calendar days after award of the Base Bid without an increase in the Offeror's Bid Price. Completion of added items shall continue at the same schedule as the Base Bid unless otherwise noted in Section 01000 DESIGN AND CONSTRUCTION SCHEDULE, paragraph 1 entitled SCHEDULE.

7. The Army will procure this facility through a design and cost competition in accordance with the provisions set forth in this Request for Proposals (RFP). When a contract is awarded, it will be a "Firm Fixed Price Contract."

8. The Congress, in authorizing and funding this contract, has established certain cost limitations for the project. The current authorization for the complete design and construction of this project is **\$11,500,000.00, (AM#1) exclusive of Option No. 2. (AM#4)** Proposals that exceed this funding limit after exercising any options may be rejected. Submission of desirable alternative features exceeding minimum requirements may be considered as long as award can be made within the established funds.

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PRICE PROPOSAL SCHEDULE

9. Any proposal that is materially unbalanced as to prices for the Base Schedule may be rejected. An unbalanced proposal is one that is based on prices significantly less than the cost for some work and prices that are significantly overstated for other work and can also exist where only overpricing or underpricing exists.

END OF PRICE PROPOSAL SCHEDULE

SECTION 00120
PROPOSAL SUBMISSION REQUIREMENTS
03/2002
AMENDMENT NO. 0004

1 GENERAL

1.1 INTRODUCTION

Through the use of a one-step procurement process, the Department of the Army desires to obtain the design and construction of a Tactical Equipment Shop at Fort Hood, Texas. In this procurement procedure consideration will be given to the Project Organization and Personnel; Experience; Past Performance; Financial Capacity; preliminary design, and cost proposals. Final selection and basis for award of the Design/Build Contract will be on the basis of qualifications, technical quality, price, and other salient factors considered to be in the Government's best interests. If awarded the Contract, the offeror shall complete the design and construction documents and construct the facility in compliance with those completed requirements.

1.2 WHERE AND WHEN TO SUBMIT PROPOSAL

Submit the Proposal no later than the date and time indicated in Item 13.A of the Solicitation, Offer and Award form (Standard Form 1442) found in Section 00010, SOLICITATION, OFFER, AND AWARD.

1.3 EXPLANATION TO PROSPECTIVE OFFERORS

Any prospective offeror desiring an explanation or interpretation of the solicitation, drawing, specifications, etc. must request such in writing, and are directed to the individuals listed in Section 00100 INSTRUCTIONS TO OFFERORS, soon enough to allow a reply to reach all prospective offerors before the submission of their proposals. Oral explanation/instructions given before award of a contract will not be binding. Any information given a prospective offeror concerning a solicitation will be furnished promptly to all other prospective offerors as an amendment to the solicitation, if that information is necessary for submitting proposals, or if the lack of it would be prejudicial to other prospective offerors.

1.4 REQUIRED TECHNICAL DATA FOR PROPOSAL SUBMISSION

Offerors are advised that the required data will be utilized for review and evaluation and used for determination of a "Quality Rating" by a Technical Evaluation Board and that all data submitted for consideration under this proposal will be reviewed only for the purposes required for evaluation and award. The Government will not make assumptions concerning the offeror's intent, capabilities, facilities, or experiences. Clear identification is the sole responsibility of the offeror.

1.5 PROPOSAL PREPARATION

Instructions for the preparation and organization of each proposal are included herein. The proposal shall be submitted as summarized below and as required by the specifications.

1.5.1 Volume I – Primary Design Construction Team Management Proposal

- A. Project Organization and Personnel**
- B. Experience**
- C. Past Performance**
- D. Financial Capacity**

1.5.2 Volume II – Preliminary Design Proposal

- A. Design Proposal (Volume II)**
- B. Preliminary Project Schedule (Volume II)**

1.5.3 Volume III – Cost/Price Proposal

- A. Solicitation, Offer and Award (SF 1442)**
- B. Price Proposal Schedule**
- C. Bid Guarantee**
- D. Representations and Certifications**
- E. Subcontracting Plan (Applies to Large Businesses Only)**
- F. Small Disadvantaged Business (SDB) Utilization Plan (Applies to all Offerors)**

1.5.4 Format

1.5.4.1 Written Material

- a. All written material, including catalog cuts, shall be submitted in standard three ring loose-leaf binders. Proposals shall be tabbed and labeled in a manner to afford easy identification from a Table of Contents. Font size shall be not less than 10 point. Each page shall be identified with the appropriate page number centered at the bottom of the page. Sheet size of the proposal contents shall be 8 ½ by 11 inches. 11 by 17 inch sheets will be allowed for charts and tables but will be counted as 2 single-sided or 4 double-sided pages. Legibility, clarity, coherence, and the contents are important. Volume I (The Primary Design Construction Team Management Proposal) proposal length shall be limited to 70 single-sided or 35 double-sided pages, exclusive of the cover sheet, Table of Contents, and appendices. The offeror shall not submit verbatim sections or attachments of this solicitation as part of their proposal. Offers that do not meet these requirements may be subject to rejection.
- b. A cover sheet identifying the offeror and the project shall be provided. The second sheet shall be a Table of Contents.
- c. Table of Contents. The proposal shall contain a detailed Table of Contents. The complete Table of Contents shall be included in each binder used.
- d. Materials submitted but not required by this solicitation (such as company brochures and equipment lists) shall be relegated to appendices.
- e. Proposal revisions for written portions of the proposal, including catalog cuts and specifications, shall be submitted as page replacements with revised text readily identifiable, e.g. bold face print or underlined. The source of the revision, e.g. Error, Omission, or Clarification (EOC), amendment or other Contractor-initiated change, shall also be indicated for each revision. Revised pages shall be numbered, dated, submitted in same number of copies as the original proposal submittal, and a different color page than the original.

1.5.4.2 Drawings

- a. Full size drawings shall be submitted in accordance with Section 1016, DESIGN DOCUMENT REQUIREMENTS. Each drawing shall be identified with the appropriate Sequence and Sheet Numbers in the lower right hand corner. The original and one copy of all drawings must be full size drawings. The remaining copies may be full size or reduced size, but no smaller than 11 x 17 inches.
- b. All alternate designs which may or may not be priced as additive or deductive items shall be graphically described on separate drawings from the base proposal design. All alternate designs shall meet the minimum requirements of the solicitation.

c. Proposal revisions for drawings shall be submitted as sheet replacements with all changes identified on the drawings with clouds and in the title block, including the source of the revision, e.g. Error, Omission, or Clarification (EOC), amendment, or other Contractor-initiated change. Revised drawings shall be numbered, dated, and submitted in the same number of copies as the original proposal submittal.

1.5.4.3 Electronic Material

The offeror shall submit one copy of the proposal and all revisions, if applicable, on CD-ROM. All textual material, catalog cuts, and other non-drawing material shall be in Adobe Acrobat Portable Document Format (.pdf), arranged in the same order as the hard copy version with each section or part book marked. All drawings shall be formatted in accordance with Section 01016 DESIGN DOCUMENT REQUIREMENTS, Paragraph “.CAL Files.” The offeror must ensure that all textual material, if it has been scanned, has been converted to a text searchable document by using the Paper Capture tool in Adobe Acrobat.

1.5.4.4 Proposal Submission

The proposal submitted shall include an original, copies as indicated below, and (AM#4) ____ electronic copy on CD-ROM disks (Volumes I and II on one disk and Volume III on another disk). Each proposal shall be marked to clearly identify the original and the copies. The copies shall be numbered.

Volume I – Primary Design Construction Team Management Proposal	Original and nine (9) copies
Volume II – Preliminary Design Proposal	Original and nine (9) copies
Volume III – Cost/Price Proposal	Original and nine (9) copies

1.6 REFERENCED PUBLICATIONS

Corps of Engineers' (COE) design criteria and manuals that are referenced in this solicitation, such as Technical Manuals (TM) and Instructions (TI), Military Handbooks, Engineering Regulations (ER), and Engineering Manuals (EM), can be downloaded from the Internet at the following address: <http://www.hnd.usace.army.mil/techinfo> or obtained from the current National Institute of Building Science's (NIB) Construction Criteria Base (CCB) CD-ROM disk. The COE SWD-AEIM, AR 190-51, and EC 1110-1-92 are on the Solicitation CD-ROM Disk. The Installation Information Infrastructure Architecture (I3A) guidelines can be downloaded from the Internet at the following address: <http://arch-odisc4.army.mil/>. Obtaining other referenced publications such as Federal and Military specifications, Military Standards, and industry standards (i.e., ASTM, ANSI, ACI, NFPA, building codes) will be the responsibility of each offeror. See Section 00100 INSTRUCTIONS TO OFFERORS, paragraph "52.211-2 AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L (AUG 1998)", for information on obtaining these publications. Offerors are warned that due to the limited time for proposal preparation and submittal, there may not be enough time for ordering and receiving any of the above references. Failure to receive requested references will not be sufficient reason for extension of the proposal submission date.

1.7 UNNECESSARILY ELABORATE PROPOSALS OR QUOTATIONS

Unnecessarily elaborate brochures or other presentations beyond those sufficient to present a complete and effective response to this solicitation are not desired and may be construed as an indication of the offeror's lack of cost consciousness. Elaborate artwork, expensive paper and bindings, and expensive visual and other presentation aids are neither necessary nor wanted.

1.8 REQUIREMENT FOR SPECIAL MARKING OF PROPOSAL DATA

Envelopes or other cover for material submitted in response to this RFP shall be opaque, and must be so presented that they may easily be identified. At a minimum, the outside cover for each volume must show:

Destination of Proposal
Name and location of project as described in the RFP documents
Solicitation number
Name and address of offeror
Project volume number

Submit the proposal in the format specified. Oral or telephonic proposals or modifications will not be considered.

Mail or deliver the proposal to the address listed on the Standard Form 1442, "Solicitation, Offer and Award."

1.9 DESCRIPTION OF EVALUATION CRITERIA

1.9.1 Volume I – Primary Design Construction Team Management Proposal Preparation

The Primary Design Construction Team Management Proposal shall include information as described below and shall be presented in the sequence listed.

A. Project Organization and Personnel:

1. Personnel (Primary Design Construction Team):

- a. This factor considers the offeror's proposed design, construction, and management team. Provide professional resume data on the individuals who will be key personnel on the Primary Design Construction project team. Key personnel identified in this section should be senior working-level people who will be involved in design and construction on a day-to-day basis, as opposed to departmental level supervisors or executives. If reassignment of personnel is considered possible, provide the names and resumes of the alternate professionals in each assignment.

See Sections 01015 DESIGN REQUIREMENTS AFTER AWARD, 01320 PROJECT SCHEDULE, 01430 DESIGN QUALITY CONTROL, and 01451 CONTRACTOR QUALITY CONTROL for minimum personnel qualifications. The following list shall be provided as a minimum:

Project Manager
Project Architect
Senior Structural Engineer
Senior Mechanical Engineer
Senior Electrical Engineer
Senior Civil Engineer
Fire Protection Engineer
Corrosion Engineer or Specialist (NACE)
Lightning Protection Specialist (Am#3)
Registered Communication Distribution Designer
Design Quality Control Manager
Construction Quality Control Manager
Project Scheduler

Information to be provided includes:

Name
Project assignment
Name of firm with which associated
Years experience: with this firm, with other firms
Education: degrees(s)/year/specialization
Active registration: state and year first registered

Experience and qualifications relevant to proposed project: for each project listed, provide project description, project dates, the individual's project assignment to include specific roles and responsibilities, and its relevance to this solicitation. Identify the length of time key personnel stayed on their contracts and how well they managed their portion of the referenced contracts.

b. Identify the Designer(s)-of-Record for each discipline

c. In an appendix, provide letters of commitment for all key personnel on the Primary Design Construction project team and any proposed alternate personnel. By identifying these personnel, the offeror is making a commitment that, barring unforeseen circumstances, they are the personnel who will be assigned to the project. A letter of commitment from each firm committing specific individuals from the firm may be provided in lieu of separate letters for each individual. After contract award, substitutions for any of the key personnel or alternates shall require the Contracting Officer's approval.

d. Capacity to Perform

(1) Provide a list of key professional job titles. Indicate the total number of personnel in each category for the Primary Design Construction Team, including consultants, and identify all personnel.

(2) Discuss capacity to successfully perform the requirements of this Contract based on current workload and staffing. Discuss strategy to provide supplemental and/or replacement personnel to support this project during design and/or construction, as necessary. In the appendix, provide a list of all current contracts for the Primary Design Construction Team members, including consultants.

2. Team Organization and Management:

a. Provide an organizational chart and supporting narrative describing how the team will be structured. Include all key design and construction personnel and firms on the organizational chart. Discuss the specific roles and responsibilities of each key individual and firm.

b. Describe the proposed management structure for the team. Discuss how the design and construction process will be managed, to include a discussion on delegation of authority within the team.

c. Describe interactions within the team and with the Corps of Engineers during design. Discuss how design changes will be handled and the roles that various team members will play when dealing with design changes. Discuss the role of construction team members during design phase.

d. Describe interactions within the team and with the Corps of Engineers during construction. Discuss how changes will be handled during construction and the roles that various team members will play when dealing with changes during construction. Discuss the role of design team members during construction. Specifically address design team's role in construction Quality Control program; Requests For Information (RFI's); shop drawing/submittal review and approval; attending progress meetings; site visits; inspections; and contract completion and closeout.

e. Describe the time control systems to be utilized. Discuss the use of the project schedule for managing the design and construction. Describe internal procedures for handling delays to minimize time growth.

f. Identify the items of work to be self-performed by offeror and the percentage of the overall contract value that this work represents.

g. Describe the team's computer-aided drafting and design (CADD) capabilities. Identify the CADD software to be used in the design of this project; if all disciplines are not using the same CADD software, identify the software that each discipline is using. Discuss compatibility with the Government's target CADD. Explain how compatibility will be achieved if the design, or portion of the design, is prepared using a CADD system other than the Government's target CADD system. (Refer to Section 01016 DESIGN DOCUMENT REQUIREMENTS for information on the Government's target CADD system and compatibility requirements.)

B. Experience

1. Provide a list of projects currently underway or completed within the last 5 years that best demonstrates the design and construction experience of the team (firms and/or individual team members) to successfully complete this facility using a design/build process. Experience beyond 5 years ago for construction contractors will not be given consideration unless the key personnel proposed for this project played a significant role in the earlier project and the project can be shown to be similar to this project. An offeror must make clear the extent of involvement in those projects by current key personnel and clearly describe how the older project is similar to this project, considering changes in technology, materials, equipment, codes, etc. Experience beyond 5 years ago for design firms will not be given consideration.

List no more than 10 projects total. The list of projects shall include the following information:

- a. Project name and location
- b. Type of facility
- c. Nature of firm's responsibility (design, construction or both)
- d. Identify type of contract (design, design/build, or construction)
- e. Project owner's name and address and project manager's (point of contact) name, telephone number, fax number, and email address (if known)
- f. If a government contract, include the contracting agency and contracting officer's name, telephone number, fax number, and email address (if known)
- g. Date started
- h. Original scheduled completion date
- i. Actual completion date
- j. Overall size of facility (in square feet or square meters)
- k. Construction cost (excluding design costs)
- l. Duration of construction (excluding design time)
- m. Problems encountered and corrective actions taken
- n. Identify which proposed team members and/or firms were involved in the project; their specific roles and responsibilities on the project; and the extent of time they were involved with the project
- o. Relevance of experience to the solicitation project

2. Joint Ventures: If offeror represents the combining of two or more companies for the purpose of this RFP, the proposal shall indicate whether the firms have experience working together in design/build ventures and for how long and how many projects. In addition, each company of this joint venture shall list their Government contract experiences.

C. Past Performance:

1. For each design and/or construction firm on the project team, provide firm's name, address, and DUNS number.

2. Non-Corps References

For each non-Corps project listed under "Volume I: Experience" factor, offerors should send Client Authorization Letters and Contractor Performance Report (See Section 00500) to each reference listed in the proposal to assist in the timely processing of the past performance evaluation. In an appendix, provide a copy of issued letters with the offeror's proposal. Copies of aforementioned letters will not count towards the page limitation stated in Paragraph 1.5.4.1 of this Section.

3. Offerors are encouraged to submit awards, letters, evaluations, or other forms of recognition that demonstrate their performance capabilities and customer satisfaction. If provided, this additional past performance information shall be relegated to an appendix and will not count towards the aforementioned page limitation.

4. New Companies

For new companies entering the marketplace (without relevant company experience) the quality of the past performance of their key management personnel of the Primary Design Construction Team and consultants will indicate the risk of good performance and become the basis of the past performance evaluation. Identifying how long key personnel stayed on their contracts and how well they managed their portion of the referenced contracts will be of great importance in the evaluation process.

D. Financial Capacity:

Submit a letter of current bonding capacity from a Bonding Company. This letter will not count towards the aforementioned page limitation.

1.9.2 Volume II – Design Proposal Preparation

PRELIMINARY DESIGN PROPOSAL

The purpose of the Preliminary Design Proposal is:

To provide sufficient design information for the Government to determine the acceptability of the proposed design in meeting the functional requirements set forth herein for operational use and economical maintenance during the anticipated life of the facility.

To provide data for a determination of the engineering sufficiency and soundness of the basic approach to the design for each technical discipline. Also, it will serve as a documentary check that the designer has been provided or has developed the essential engineering criteria necessary for all facets of final computations and detailed development of a thoroughly engineered, coordinated, economical, and functional design.

The Preliminary Design Proposal consists of two parts, the Design Proposal and the Preliminary Project Schedule:

A. Design Proposal

1. The design proposal shall include, as a minimum, the following descriptive narratives, manufacturer's catalog data, and graphic information:

a. Narratives

(1) General Description

(a) Provide brief description of the facility addressing the overall design, materials components, and engineering. DO NOT INCLUDE DESIGN CALCULATIONS. Include the following:

- (i) Basic site layout **for the Tactical Equipment Shop site and the option #2 Truck Loading Dock site (am#3)** and the rationale behind the site design. Address existing site features, site demolition requirements, new utilities, site improvements, **and identify pavement section to be used for hardstand pavement. (am#1)**
- (ii) Building's architectural configuration and the rationale behind the design. Address relationship of the site and site activities to the building. Address exterior and interior building materials.
- (iii) Building's interior configuration, to include general discussion on interior finishes, including those in the shops, offices, general administrative areas, warehouse and common areas (copy rooms, break/vending areas, restrooms). Discuss use of common areas within the facility. DO NOT PROVIDE COLOR BOARDS.
- (iv) Structural system and the rationale behind the selection of the proposed system, including identification of major structural materials and systems.
- (v) Heating, Ventilation and Air Conditioning system and rationale behind the selection of the proposed system.
- (vi) Vehicle Maintenance Systems including waste oil, waste antifreeze, off-spec fuel collection and storage, POL distribution and dispensing systems, vehicle exhaust systems, parts wash and wash bay systems, compressed air systems and rationale behind the selection of the proposed systems.
- (vii) Hoisting systems and the rationale behind the selection of the proposed systems.
- (viii) Fire protection system and the rationale behind the selection of the proposed system.
- (ix) Exterior power distribution systems (upgrade to existing system) and the rationale behind the selection of the proposed system. Discuss service to the building and location. Identify type of wire. Identify whether aerial or underground.
- (x) Interior power distribution systems and the rationale behind the selection of the proposed system. Identify electrical characteristics of power supply (phase, voltage, KVA). Provide description of panels, protection devices and typical loading of circuits. Identify type of wire.
- (xi) Exterior lighting system and the rationale behind the proposed system. Address exterior lighting locations, illumination levels for each area, and lighting controls.
- (xii) Interior lighting system and the rationale behind the selection of the proposed system. Address illumination levels for each area, emergency lighting, and lighting controls.
- (xiii) Interior communications systems (telephone, data, cable TV, sound transmission) and the rationale behind the selection of each system.
- (xiv) Environmental Considerations and Occupational Safety and Health Issues.

(b) Describe the energy-efficient and/or energy-saving features proposed for this project.

(c) Identification of proposed methods of meeting security requirements.

(d) If the design proposal includes any deviations from the RFP requirements, including functional or adjacency requirements, identify the deviation, provide justification for the deviation, and describe the benefit/improvement that the deviation provides to the facility. (See Section 00150 PROPOSAL EVALUATION AND CONTRACT AWARD, paragraph "DESIGN FREEDOM".)

(e) Identify all proposed betterments. (See Section 00800 SPECIAL CONTRACT PROCEDURES, clauses entitled "DESIGN-BUILD CONTRACT ORDER OF PRECEDENCE" AND "PROPOSED BETTERMENTS".)

b. Manufacturer Catalog Data

Manufacturer catalog data shall include industry standard quality indicators for the specific material or equipment and that will be used to establish the proposed construction quality during proposal evaluation. Data may be in the form of CSI standard product information formats Manu-Spec and Spec-Data, and manufacturer's specifications and details. Furnish data, arranged by CSI Divisions, on:

- (1) Glazing: windows and glazing for library and classrooms.
- (2) Doors
- (3) Interior finishes, to include floors, base, walls, ceilings, toilet partitions, lavatory tops
- (4) Exterior finishes, to include walls, roof, and soffits
- (5) Interior and exterior light fixtures, including identification of where each proposed fixture type will be used
- (6) Any other catalog data deemed pertinent

c. Graphic Information

Furnish preliminary drawings and schematics to illustrate the proposal. If a plan does not fit on one standard size drawing sheet at the scale specified, provide an overall plan to fit on one standard size drawing sheet plus individual sheets at the scale specified.

- (1) Site Layout Plan, minimum scale 1:400 or 1:500, showing:
 - (a) Building location
 - (b) Service drives, parking, and hardstand
 - (c) Location of site features (i.e. landscaping, sidewalks, lighting, mechanical and electrical equipment)
 - (d) Set-backs
 - (e) Preliminary grading and drainage Plan
- (2) Architectural Floor Plans, minimum scale 1:100 (1/8" = 1'), with all areas identified, showing:
 - (a) Gross area of building; exterior and interior dimensions; size of areas; critical and basic dimensions.
 - (b) Area calculations
 - (c) Preliminary finish schedule
 - (d) Plumbing fixture locations, including drinking fountains
 - (e) Furniture layout (Note: Providing furniture is not a part of the Contract)
- (3) Interior Sections/Elevations, minimum scale 1:50 (1/4" = 1'), showing:
 - (a) Offices
 - (b) Common areas (break/vending areas, copy areas)
 - (c) Restrooms
 - (d) Shops
 - (e) Warehouse
- (4) Exterior Elevations of building(s), minimum scale 1:100 (1/8" = 1'), showing:
 - (a) Fenestrations and material indications.
 - (b) Critical and basic dimensions.
 - (c) Exterior finish materials.
- (5) Building Cross-Sections

Provide one cross-section through each wing of the building(s) and one longitudinal cross-section through the building indicating floor and ceiling heights, and all overhead equipment and utility distribution as well as crane hook range of motion.

d. Sustainable Design. Using the Sustainable Project Rating Tool (SPiRiT), provide a self-assessment of the sustainability features of the facility (see Volume IV ATTACHMENTS for the Sustainable Project Rating Tool manual and rating sheets). For each required element and for each point-scored element where you have met (or exceeded) the requirement, provide justification of how you have met the stated requirement. Justification shall be documented on the non-annotated version of SPiRiT tool (SPiRiT v1.4 (.doc), April 2001) available on the Internet at <http://www.cecer.army.mil/Sustdesign/SPiRiT.cfm>, or use the version that is on the Solicitation CD. Justification shall be inserted in the document immediately after the requirement text for each element. Label the justification as "Justification of Scoring". Scoring shall be summarized on the SPiRiT scoring sheet (SpiRiT v1.4 (.xls), April 2001) available at <http://www.cecer.army.mil/Sustdesign/SPiRiT.cfm> (this file is also located on the Solicitation CD). This scoring summary shall be attached to the front of the SPiRiT tool in the submitted documentation. Goal is minimum Bronze level certification. If Bronze level certification cannot be attained, discuss the factors that prevent achieving this goal in one section prior to the beginning of the SPiRiT scoring summary.

B. Preliminary Project Schedule.

A time-scaled logic diagram shall be submitted with the Preliminary Design proposal reflecting the detailed design phase activities and summary level construction activities from Notice to Proceed through final completion, including all option work. Project Schedule shall conform to Section 01320 PROJECT SCHEDULE and may be used for preparation of the Preliminary Schedule required in Section 01320 after award. The following information shall be included as a minimum:

1. Detailed design activities
2. Summary level construction activities
3. Phasing requirements
4. Critical Path
5. Milestones and Constraints
6. Overall Design Duration, in calendar days
7. Overall Construction Duration, in calendar days
8. Overall Proposed Duration, in calendar days

The Contractor shall propose the contract durations for Work Item #1, Design and Construction of the new facility. The proposed duration shall not exceed the duration specified in Section 01000, Design and Construction Schedule. The proposed schedule shall support the proposed duration. Upon contract award, the successful offeror's proposed duration shall become the contract duration for Work Item #1. It should be noted that the Government will include provisions in the contract for liquidated damages for each calendar day the Contractor exceeds the contract schedule.

1.9.3 VOLUME III Cost/Price Proposal Preparation

Prices shall be firm. The offeror's price, to be considered in the competitive negotiation evaluation, shall be the offeror's Total Base Bid, including all option work, as shown on the price proposal schedule. The cost/price proposal will be evaluated separately, after evaluation of Volume I and Volume II. The cost/price proposal shall consist of the following:

1. Solicitation, Offer and Award.

The Standard Form 1442 shall be completely filled out and signed by a principal of the firm authorized to bind the design-build team. Signature(s) must be in long hand.

2. Price Proposal Schedule

- a. Offerors shall complete the Price Proposal Schedule by filling out the pricing data blanks.

b. Overhead and profit shall be applied proportionally to each category and will not be required to be shown separately.

c. Offerors shall include allowance for weather days in the Cost/Price Proposal and shall schedule any contingency for severe weather in accordance with weather requirements included in Section 01000, DESIGN AND CONSTRUCTION SCHEDULE.

3. Bid Guarantee.

The bid guarantee shall be submitted in accordance with Section 00700, Contract Clauses.

4. Representations and Certifications.

Representations are local, state, and federal representative statements and certifications made by the Offeror concerning a variety of issues. Complete each item in Section 00600, REPRESENTATIONS AND CERTIFICATIONS, and submit one original with the Volume III proposal.

5. Subcontracting Plan. (Applies to Large Businesses only.)

All large businesses shall submit a subcontracting plan with their technical and price/cost proposals. The plan shall be prepared in accordance with FAR 52.219-9. Failure to submit an acceptable subcontracting plan may make the offeror ineligible for award of the contract. The submission of the subcontracting plan is in no way advantageous to large businesses over any small business in the evaluation process. A sample subcontracting plan and scoring checklist are included on the solicitation CD-ROM disk. See Section 00100 INSTRUCTIONS TO OFFERORS, paragraph SMALL BUSINESS SUBCONTRACTING PLAN for additional information and Fort Worth District subcontracting floors.

6. Small Disadvantaged Business (SDB) Utilization Plan. (Applies to all Offerors.)

Offerors shall submit a SDB Utilization Plan, to include the following information:

- a. Identification of each SDB concern proposed and the work each is to perform.
- b. Targets expressed in dollars and percentages representing each SDB concern's participation of the total contract value.
- c. Total target value of all SDB participation, expressed in dollars and percentages, of the total contract value.

The offeror is put on notice that any targets represented in submitted proposal will be incorporated into and become part of any resulting contract. All proposed SDB concerns must be certified by the Small Business Administration and listed in the online database PRO-Net. SDB concerns may register in PRO-Net at <http://pronet.sba.gov>.

1.10 CLARIFICATIONS AND FINAL PROPOSAL REVISION

1.10.1 General

Any conflicting criteria which cannot be resolved by the Order of Precedence specified in Section 00800 SPECIAL CONTRACT REQUIREMENTS shall be brought to the attention of the Government by the Offeror as part of the written clarification requirement of the proposal. In the absence of such request for clarification, the Offeror shall perform to the most beneficial criteria as determined by the Government.

1.10.2 Clarifications Prior to Proposal Due Date

In the event that clarifications are required prior to submitting the Volume I or II proposal, contact the individuals listed in Section 00100, INSTRUCTIONS TO OFFERORS. All RFP holders will be advised of significant clarifications affecting the scope of the project.

1.10.3 Clarifications Submitted with Proposals

For clarifications remaining at the time and date that proposals are due, written clarifications may be included in the proposal for consideration by the Government. Clarifications submitted with proposals shall clearly identify the understanding of the RFP documents and how this understanding is reflected in the cost proposal. Extensive qualifications, exclusions and exceptions in the form of clarifications may be considered by the Government to be non-responsive and may be grounds for rejection of the proposal.

1.10.4 Final Proposal Revision

If the Contracting Officer determines that discussions are necessary, all offerors in the competitive range will be given an opportunity to submit a final proposal revision. All proposal revisions must be submitted as required in paragraph 1.5.4 Format, subparagraphs 1.5.4.1 Written Material and 1.5.4.2 Drawings.

1.11 PAYMENT FOR PROPOSALS

Offerors will not be reimbursed for the cost of preparing their proposals.

1.12 NOTICE

Failure to submit all the data indicated in this section may be cause for determining a proposal non-responsive and, therefore, not considered for award.

2 PRODUCTS (NOT USED)

3 EXECUTION (NOT USED)

END OF SECTION

SECTION 00150
PROPOSAL EVALUATION AND CONTRACT AWARD
03/2002
AMENDMENT NO. 0004

1 GENERAL

1.1 PROPOSAL EVALUTION

Proposals will be evaluated by a Technical Evaluation Board (TEB). The TEB will be made up of Corps of Engineers and Fort Hood personnel. Board members will not be available for contact or discussion prior to submission of proposals.

1.2 EVALUATION CRITERIA

1.2.1 Volume I Criteria

The Primary Design Construction Team Management proposal evaluation criteria below corresponds to the outline specified in Section 00120 PROPOSAL SUBMISSION REQUIREMENTS, paragraph 1.9.1 Primary Design Construction Team Management Proposal Preparation. Factor A, B and C are of equal importance **AM#4 (and significantly more important than cost/price)** and will be given a quality (AM#4) **adjectival** rating. Sub-factors within each factor are of equal importance, unless identified otherwise. Those offerors with no relevant performance history will be assigned a neutral rating in past performance factor. Factor D will be rated "go" or "no go."

Volume I – Primary Design Construction Team Management Proposal

A. Project Organization and Personnel

1. Personnel (Prime and Subcontractor).

The TEB will evaluate the adequacy, strengths and weakness of key personnel assignments, to include compliance with registration and/or other specified minimum qualification requirements; qualifications and experience relevant to the proposed project; familiarity with local conditions; and familiarity with applicable building codes and standards.

The TEB will verify that the Designer of Record has been identified for each design discipline and that letters of commitment have been provided for all key personnel on the project team.

The TEB will evaluate the personnel resources assigned to the project and the ability to provide additional resources for the team if supplemental or replacement personnel are required. Consideration will be based on degree of coverage by discipline for all aspects of design and construction' depth of additional resources to supplement the planned resources, if necessary; whether same-discipline depth is from the same firm/office as the key personnel in that discipline or from a different firm or office.

2. Team Organization and Management

The TEB will evaluate the team structure, the strength of the team organization and the responsibilities for each key individual and firm on the team.

The TEB will evaluate the management structure, delegation of authority, and offeror's approach to managing the design-build process. The TEB will assess the offeror's ability to coordinate the design and construction personnel in a team effort, as evidenced by the offeror's approach to

managing the design-build team, delegation of authority, and team interaction and communication during design and construction.

The TEB will assess the offeror's approach to managing and controlling time during design and construction. Consideration will be given to the scheduling system to be used and compatibility of the offeror's scheduling system with the Government's scheduling system (Primavera, Version 3.1). The offeror's use of the schedule in managing the project will be evaluated.

The TEB will evaluate the work to be self-performed by the offeror (percentage and type). Additional consideration will be given to those offerors that exceed the minimum requirements for work to be self-performed, as identified in the contract clause entitled "Performance of the Work by the Contractor."

The TEB will evaluate the compatibility of proposed CADD system with Government system. Additional consideration will be given for designs prepared in the Government's target CADD system. The amount of consideration will depend on the extent to which the target CADD system is used by the various design disciplines in preparing the design.

B. Experience

1. The offeror will be evaluated based on the recent experiences of the team (firms and/or individual team members). The amount of consideration will depend upon the extent of the offeror's experience, similarity between previous project scopes of work and this project, and the relevance of the offeror's experience to this project. Experience in the following areas will be considered, in decreasing order of importance:

- a. Design-build experience. No previous design-build team experience is necessary to qualify for award of this project; however, consideration will be given for recent, successful D-B team experience between the prime construction firm and design firms(s).
- b. Experience with vehicle maintenance facilities of similar size and scope. Design, construction, and/or design-build experience are all considered relevant.
- c. Sustainable design experience.
- d. Previous experience as a team. Extent to which members of the proposed team have worked together on previous projects as a team will be considered. Design team experience, construction team experience and design-construction team experience are all considered relevant.
- e. Experience with Corps of Engineers or other federal contracts. Familiarity with federal regulations and administration of Corps of Engineers or other federal contracts are considered relevant.
- f. Experience with design and/or construction at Fort Hood or in the local vicinity. Familiarity with Fort Hood installation requirements and the local vicinity is considered relevant.

C. Past Performance

1. Past performance of the offeror, subcontractors, consultants, and key individuals will be considered in evaluating past performance, utilizing information provided in the proposal and other information available to the Contracting Officer, including but not limited to the following: The following will be considered in descending order of importance:

- a. CCASS (Construction Contract Administration Support System) Evaluations. CCASS evaluations will be utilized to evaluate past performance on Corps of Engineers contracts for construction firms on the offeror's Design-Build team.
- ACASS (A-E Contract Administration Support System) Evaluations. ACASS evaluations will be utilized in evaluating the past performance on Corps of Engineers contracts for Architect-Engineering firms on the offeror's Design-Build team.
- b. Federal Agency Performance Evaluations
- c. Contractor Performance Report From State and local governments and private sector clients. Submitted Contractor Performance Reports may be verified telephonically. References not supported by a Contractor Performance Report may be contacted in writing or telephonically to assess customer satisfaction.
- d. Awards, letters, and other forms of recognition
- e. All other information

D. Financial Capacity

The TEB will verify that a letter of current bonding capacity has been provided and that the offeror has sufficient bonding capacity for this project. A current Dun and Bradstreet profile will be reviewed to verify that the offeror's financial standing is satisfactory.

1.2.2 Volumes II & III Criteria

The evaluation criteria below correspond to the outline specified in Section 00120 PROPOSAL SUBMISSION REQUIREMENTS, paragraph 1.9.2 Volume II – Design Proposal Preparation and 1.9.3 Volume III Cost/Price Proposal Preparation. Factor A is significantly more important than Factor B (AM#4) **and both factors are significantly more important than cost/price**. The sub-factors are listed in decreasing order of importance. Unless noted otherwise, elements within each sub-factor are listed in decreasing order of importance. All sub-factors with in Factor C (Volume III) will be rated “go” or “no-go,” with the exception of cost/price, which will not be rated.

Volume II – Preliminary Design Proposal

A. Design Proposal

1. Soundness and quality of design
 - a. Functional aspects of (AM#4) **the Tactical Equipment Shop**
 - b. Durability of materials
 - c. Design rationale
 - d. Compatibility of design and materials with Fort Hood Installation Design Guide
 - e. (AM#4) **Functional aspects of the Option #2 Truck Loading Dock**
2. Comfort, aesthetics and amenities
 - a. ~~_____ Deleted (AM#1)~~
 - b. Environmental Considerations and Occupational Safety and Health Issues
 - c. Site features and site layout (AM#4) **for the Tactical Equipment Shop**
 - d. **Vehicle Maintenance System (AM#1)**
 - e. Energy-efficient and/or energy-saving features
 - f. HVAC system
 - g. Aesthetics of the facility (interior and exterior)
 - h. Facility enhancements
 - i. (AM#4) **Site features and site layout for the Option #2 Truck Loading Dock**
3. Sustainable Design (Sustainable Project Rating Tool - SPiRiT criteria):

Goal is to achieve SPiRiT Bronze level certification. Additional consideration will be given for achievement of higher SPiRiT levels. See Volume 4, Attachment J, of the solicitation for the

SPiRiT manual and rating sheets or the Internet web page at
<http://www.cecer.army.mil/Sustdesign/SPiRiT.cfm>.

B. Preliminary Project Schedule

The schedule will be evaluated to assess the offeror's understanding of the design-build process, project scope, phasing requirements, milestones and constraints, and critical elements in design and construction. The design and construction periods offered, the proposed contract durations, and the overall project schedule will be evaluated for realism and for benefits they provide to the Government.

Volume III – Cost/Price Proposal

C. Cost/Price Proposal

1. Standard Form 1442
2. Price proposal schedule, Section 00010
3. Bid Guarantee
4. Representation & Certifications, Section 00600
5. Subcontracting Plan (large businesses only)

The subcontracting plan will be reviewed for compliance and scored in accordance with Army Federal Acquisition Regulation Supplement (AFARS) Appendix CC. Failure to submit an acceptable subcontracting plan may make the offeror ineligible for award of the contract.

6. Small Disadvantaged Business Utilization (SDB) Plan. The SDB utilization plan will be reviewed based on the following criteria:
 - a. The extent to which SDB concerns are specifically identified.
 - b. The extent of commitment to use SDB concerns.
 - c. The complexity and variety of the work SDB concerns are to perform.
 - d. The extent of participation of SDB concerns in terms of the value of the total acquisition.

1.3 DESIGN FREEDOM

REQUIREMENTS STATED IN THIS RFP ARE MINIMUM REQUIREMENTS. Innovative, creative, or cost-saving proposals that meet or exceed these requirements are encouraged and will receive consideration accordingly. Deviations from space and adjacency requirements are discouraged unless the change results in a significant improvement to the facility. Deviations from any requirements should be clearly noted and justified in the proposal. Informative drawing notes are encouraged.

1.4 METHOD OF PROPOSAL EVALUATION

1.4.1 Government's Rights and Goals

The Government reserves the right to reject any or all proposals at any time prior to award; to award a contract to other than the offeror submitting the lowest priced offer; and to award a contract to the offeror submitting the proposal determined to be the most advantageous to the Government. It is the Government's goal to award the

project within its construction cost limitation. Significant variation from this amount could result in the Government's inability to award based on lack of funding authority.

1.4.2 Evaluation Process

All proposals will be reviewed to determine if the minimum data and technical requirements have been met. A proposal may be determined to be unacceptable and therefore eliminated if all the required information is not provided or if the proposal materially deviates from the requirements of the RFP.

Weighing of evaluation criteria will take into consideration not only how important a particular element is to the overall project, but also the innovative, creative, or cost-saving elements which may be incorporated into the proposal (see paragraph "DESIGN FREEDOM") and are advantageous to the Government.

1.4.3 Basis of Award

The Government intends to award a contract without discussions based on initial proposals received; therefore, the offerors proposal should contain the offeror's best terms from a cost and technical standpoint. However, the government reserves the right to conduct discussions in accordance with FAR 52.215-1. . Should discussion be necessary after evaluations, the Government will establish a competitive range of the offerors that are the most highly rated. The Government reserves the right to address any pertinent issues in the proposals.

An award will be made to the offeror whose offer contains the combination of the criteria offering the best overall proposal to the Government based on consideration of technical merit, cost, and other pertinent factors as specified in the RFP. Volume I – Primary Design Construction Team Management proposal is considered more important than Volume II, Preliminary Design Proposal, and will carry more weight in the overall rating of the proposals. **(AM#4) Both Volume I and Volume II are significantly more important than Volume III.** The combined Primary Design Construction Team Management and Preliminary Design proposal rating is significantly more important than Volume III - Cost/Price.

END OF SECTION

CONTRACTOR PERFORMANCE REPORT

Final Interim

Period Report: From To

1. Contractor Name and Address: (Identify Division)	2. Contract Number:
	3. Contract Value (Base Plus Options):
	4. Contract Award Date:
	5. Contract Completion Date:

6. Type of Contract: (Check all that apply) -- FP FPI FP-EPA Award Fee CPMF – Completion
 CPMF – Term CPIF CPAF ID/IQ BOA Requirements Labor Hour T&M SBSA 8(a)
 SBIR Sealed Bid Negotiated Competitive Non-Competitive Design-Build

1. Description of Requirement:

8. Ratings. Summarize contractor performance and circle in the column on the right the number, which corresponds to the performance rating for each rating category. Please see page three for explanation of rating scale.

Quality	Comments	0 1 2 3 4 +
Timeliness of Performance	Comments	0 1 2 3 4 +
Business Relations	Comments	0 1 2 3 4 +
Customer Satisfaction (End Users)	Comments	0 1 2 3 4 +

Score (Add the ratings above and divide by number of areas rated)

9. Would you select this firm again? Please explain.

10. Evaluator's Name:

Position:

Phone/FAX/E-mail address:

Signature:

Date:

APPENDIX 1

Summarize contractor performance in each of the rating areas. Assign each area a rating of 0 (Unsatisfactory), 1 (Poor), 2 (Fair), 3 (Good), 4 (Excellent), or ++ (Plus). Use the following instructions as guidance in making these evaluations. Ensure that this assessment is consistent with any other Agency assessments made (i.e., for payment of fee purposes).

	QUALITY OF PRODUCT/SERVICE	TIMELINESS OF PERFORMANCE	BUSINESS RELATIONS
	<ul style="list-style-type: none"> /// Compliance with contract requirements /// Accuracy of reports /// Appropriateness of personnel /// Technical excellence 	<ul style="list-style-type: none"> /// Met interim milestones /// Reliable /// Responsive to technical direction /// Completed on time, including wrap-up and contract administration /// No liquidated damages assessed. 	<ul style="list-style-type: none"> /// Effective management /// Businesslike correspondence /// Responsiveness to contract requirements /// Prompt notification of problems /// Reasonable/cooperative /// Flexible /// Pro-active /// Effective contractor-recommended solutions /// Effective subcontracting program
0. Unsatisfactory	Nonconforming items are compromising the achievement of contract requirements, despite use of Agency resources.	Delays are compromising the achievement of contract requirements, despite use of Agency resources.	Response to inquiries, technical, service, and administrative issues is not effective and responsive.
1. Poor	Nonconforming items required major Agency resources to ensure achievement of contract requirements.	Delays require major Agency resources to ensure achievement of contract requirements.	Response to inquiries, technical, service, and administrative issues is marginally effective and responsive.
2. Fair	Nonconforming items require minor Agency resources to ensure achievement of contract requirements	Delays require minor Agency resources to ensure achievement of contract requirements.	Response to inquiries, technical, service, and administrative issues is somewhat effective and responsive.
3. Good	Nonconforming items do not impact achievement of contract requirements.	Delays do not impact achievement of contract requirements.	Response to inquiries, technical, service, and administrative issues is usually effective and responsive.
4. Excellent	There are no quality problems.	There are no delays.	Response to inquiries, technical, service, and administrative issues is effective and responsive.
++ Plus	The contractor has demonstrated an exceptional performance level in any of the above four categories that justifies adding a point to the score. It is expected that this rating will be used in those rare circumstances when contractor performance clearly exceeds the performance levels described as "Excellent."		

CONTRACTOR PERFORMANCE REPORT INSTRUCTIONS

Block 1: Contractor Name and Address. Identify the specific division being evaluated if there is more than one.

Block 2: Contract number of contract being evaluated.

Block 3: Contract value shall include base plus options. If funding was increased or decreased during the evaluation period, the value in this block should reflect the change.

Block 4: Contract award date.

Block 5: Anticipated or anticipated contract completion date.

Block 6: Type of Contract: Check all that apply.

Block 7: Provide a brief description of the work being done under the contract. This description will allow for a determination of same or similar work.

Block 8: Circle rating in far right column and provide brief narrative for each of the categories rated. Indicate the contract requirements that were exceeded or were not met by the contractor and by how much. Also calculate the mean score of the ratings.

Block 9: If given a choice, please explain why you would or why you would not select the contractor for future work.

Block 10: Provide the name and position of the individual performing this rating.

CHAPTER 111**FACILITY PERFORMANCE****PERFORMANCE**

A. Basic Function:

1. Provide built elements and site modifications as required to fulfill needs described in the project program.
2. The complete project comprises the following elements:
 - a. Substructure (A): Elements below grade and in contact with the ground.
 - b. Shell (B): The superstructure, exterior enclosure, and the roofing.
 - c. Interiors (C): Interior construction, stairs, finishes, and fixtures, except fixtures associated with services and specialized equipment.
 - d. Services (D): Mechanized, artificial, automatic, and unattended means of supply, distribution, transport, removal, disposal, protection, control, and communication.
 - e. Equipment and Furnishings (E): Fixed and movable elements operated or used by occupants in the functioning of the project.
 - f. Sitework (G): Modifications to the site, site improvements, and utilities.
3. Code: Make all portions of the project comply with the code. The code referred to herein consists of all applicable local, State, and federal regulations, including those listed below:
 - a. **(AM#4) In the event of conflict and inconsistency between any of the provisions of the various codes, standards, or references, precedence shall be given in the following order:**
 - 1) **Contract requirements**
 - a) **The code, standard, or reference that is listed in the Contract design or performance requirement;**
 - b) **When conflict exists between references, the more stringent requirement shall govern;**
 - c) **Where a particular design aspect is not covered by any of the codes, standards, or references listed, nor by the requirements specified in the Contract, the Contractor shall be guided by other nationally recognized and accepted codes or standards which do apply;**
 - d) **The "authority having jurisdiction," as cited in codes, standards, or references, will be the Contracting Officer.**
 - 2) **Installation Design Guide**
 - 3) **Southwestern Division's Architectural and Engineering Instructions Manual (AEIM)**
 - 4) **Technical and Engineering Manuals, Instructions, Letters, Design Guides, Engineer Regulations, Pamphlets, and Bulletins.**
 - b. Federal Regulatory Requirements:
 - 1) For Environmental Design, see additional federal regulation references in Chapter XII ENVIRONMENTAL DESIGN of SWD-AEIM (item H), Volume IV ATTACHMENTS.
 - 2) 29 CFR 1910-1997, Occupational Safety and Health Standards, and in particular 29 CFR 1910.1001, Appendix F, "Work Practices and Engineering Controls for Automotive Brake and Clutch Inspection, Disassembly and Assembly."
 - 3) MIL-HDBK-1008C (10 June 1997) Fire Protection For Facilities Engineering, Design and Construction
 - 4) U.S. Environmental Protection Agency (EPA), National Pollution Discharge Elimination System (NPDES) Storm Water Construction Permit in accordance with Federal register, Volume 63, Number 128, July 6, 1998.
 - c. State of Texas regulatory requirements, Texas Natural Resource Conservation Commission (TNRCC).
 - 1) Air emission in accordance with 30 Texas Administrative Code (TAC) 116.111 and 30 TAC 106

- 2) Underground and Aboveground Storage Tanks per 30 TAC 334
- 3) Erosion and sedimentation control regulations, see NPDES requirements above and section 01421 OUTLINE OF A BASIC STORM WATER POLLUTION PREVENTION PLAN, Volume III SPECIFICATIONS.
- d. Non-Regulatory Criteria Documents: In addition to specific regulatory requirements, the following documents are also incorporated into the definition of "the code" for the purposes of this project, except for administrative provisions contained therein; where referenced, the role of the code official described in the document will be performed by Government.
 - 1) NFPA 70-2002, National Electrical Code.
 - 2) NFPA 101-2000, Safety to Life From Fire in Buildings and Structures.
 - 3) ICC International Fire Code, 2000 edition.
 - 4) ICC International Building Code, 2000 edition.
 - 5) ICC International Plumbing Code, 2000 edition.
 - 6) ICC International Mechanical Code, 2000 edition.
 - 7) ICC International Fuel Gas Code, 2000 edition.
 - 8) Army Regulation (AR) 200-1, Environmental Protection and Enhancement, February 1997.
 - 9) Additional non-regulatory references from Army and Corps of Engineers as stated in Chapter XII ENVIRONMENTAL DESIGN of SWD-AEIM (item H), Volume IV ATTACHMENTS.
 - 10) SWD Architectural and Engineering Instructions Manual (SWD-AEIM), October 2000.
4. Environmentally Responsible Design: In addition to other requirements, provide design and construction that minimizes adverse effects on the exterior environment, enhances the quality of the indoor environment, and minimizes consumption of energy, water, construction materials, and other resources.
 - a. Achieve at least a Bronze rating in accordance with Sustainable Project Rating Tool (SPiRiT) which is derived from The U. S. Green Building Council LEED 2.0 (Leadership in Energy and Environmental Design) Green Building Rating System; selection of specific credits to achieve is the responsibility of Contractor unless otherwise indicated; comply with criteria specified in current Sustainable Project Rating Tool (SPiRiT) documentation as well as related criteria specified in other chapters.
 - b. Water Conservation:
 - 1) Reduction of potable water use for sewage conveyance:.
 - 2) Reduction of water used by plumbing fixtures, appliances, and equipment, in excess of regulatory requirements: Desirable.
 - c. Substantiation:
 - 1) Proposal Stage: SPiRiT Checklist annotated to show specific credits to be achieved with brief description of how they will be achieved. See Sections 00120 PROPOSAL SUBMISSION REQUIREMENTS and 00150 EVALUATION FACTORS FOR AWARD.
 - 2) Design Development and Construction Documents Stages: SPiRiT Checklist annotated to show status of design related to specific credits to be achieved and a comprehensive checklist of certification document specified in SPiRiT Reference Guide annotated to show status of preparation of documentation.
5. In addition to the requirements of this chapter, comply with requirements of Chapter 1 - Program Summary, Chapter 11 - Program, and Chapter 00830 - Design and Construction Procedures.

B. Amenity and Comfort:

1. Thermal Performance: Design and construct to provide comfortable interior environment in accordance with the code and the following:
 - a. Summer Interior Design Conditions (Air Conditioned Core Areas):
 - 1) Daytime Setpoint: 25 deg C (78 deg F), plus or minus 1 deg C (2 deg F).
 - 2) Night Setback: 32 deg C (90 deg F).
 - 3) Interior Relative Humidity: 50 percent, maximum.
 - b. Summer Interior Design Conditions (Maintenance Bays and Warehouse):
 - 1) No comfort conditioning required. Natural ventilation through open bay doors and

- general mechanical ventilation for indoor air quality only will be provided.
- c. Winter Interior Design Conditions (Core Areas):
 - 1) Daytime Setpoint: 22 deg C (72 deg F), plus or minus 1 deg C (2 deg F).
 - 2) Interior Relative Humidity: 30 percent, minimum.
 - d. Winter Interior Design Conditions (Maintenance Bays and Warehouse):
 - 1) Daytime Setpoint: 13 deg C (55 deg F), plus or minus 1 deg C (2 deg F).
 - 2) Night Setback: 7 deg C (45 deg F).
 - e. Outside Air Design Conditions:
 - 1) Summer Outside Air Design Temperature: 0.4 percent cooling design condition listed in the 1997 ASHRAE Fundamentals Handbook.
 - 2) Winter Outside Air Design Temperature: 99.6 percent heating design condition listed in the 1997 ASHRAE Fundamentals Handbook.
 - f. Energy Design Wind Speed: 40 km/h (25 mph).
- C. Health and Safety:
1. Fire Resistance: Provide Type II-B construction in accordance with ICC International Code.
 2. Prevention of Accidental Injury: As required by code and as follows:
 - a. Safety Glazing: As defined by 16 CFR 1201; provide in locations required by code.
 - b. Other requirements specified in other Chapters.
 - c. Substantiation:
 - 1) Preliminary Design: Identification of building elements that require special accident prevention measures.
 - 2) Design Development: Identification of safety measures taken, detailed description of design criteria, and structural analysis of load-resisting elements prepared by licensed structural engineer.
 - 3) Construction Documents: For load-resisting elements, structural design calculations and drawings sealed by licensed structural engineer.
 3. Health Hazards:
 - a. Design to prevent growth of fungus, mold, and bacteria on surfaces and in concealed spaces.
 - b. Hazardous Construction Materials: Design and construct to comply with the requirements of the code and the following:
 - c. Indoor Air Quality: Design and construct to comply with the code and the following:
 - 1) Acceptable air quality as defined by ANSI/ASHRAE 62-1999.
 - 2) Substantiation:
 - a) Design Development: Identification of methods to be used to comply with requirements; ventilation design calculations. Identification of unusual indoor contaminants or sources and methods to mitigate their effects on occupants.
 - b) Construction Documents: Specifications showing that construction materials are not contaminant sources and do not adversely affect air quality.
 - c) Commissioning: Field measured outside and supply air quantities for each air handler.
 - d) Occupancy: Field testing to show compliance, after full occupancy.
 4. Physical Security: In addition to any provisions that may be required by law or code, design and construct both exterior and interior spaces to incorporate accepted principles of crime prevention through environmental design (CPTED), using natural (as opposed to technological) methods of providing surveillance, access control, and territorial reinforcement wherever possible.
 - a. Definition of Elements at Ground Level: For purposes of physical security, any element within 6 m (20 feet) of the ground, grade, or adjacent paving.
 - b. Security Zones:
 - 1) Public Access Zone: That area to which the public has free access, including public corridors, grounds, and parking lots.
 - 2) Reception Zone: The area to which the general public has access but beyond which

- access is restricted at all times.
- 3) Operations Zone: The area to which only employees, staff, or authorized personnel have access.
 - 4) Secure Zone: The area to which access is always controlled and which is monitored continuously.
 - 5) High-Security Zone: Areas indicated in project program and areas named "vault", "secure file room", and "cash room".
- c. See other Chapters for additional requirements.
5. Electrically-Operated Equipment and Appliances: UL listed for application or purpose to which they are put; suitable for wet locations listing for exterior use.
 6. Explosion Hazards: The following hazards will exist in the building:
 - a. External Hazards: offspec fuel storage and waste oil storage.
 - b. Internal Hazards: maintenance inspection pit.
- D. Structure:
1. Earthquake Loads: Accommodate Maximum Considered Earthquake Ground Motion (MCE) of 0.2 s Spectral Response Acceleration (5% of Critical Damping), S_s , of 0.09 g, and Maximum Considered Earthquake Ground Motion (MCE) of 1.0 s Spectral Response Acceleration (5% of Critical Damping), S_1 , of 0.05 g, and Soil Profile Type D; and otherwise in compliance with ANSI/ASCE 7-1998.
 2. Substantiation:
 - a. Preliminary Design: Detailed listing of design criteria and preliminary analysis, prepared by a licensed structural engineer.
 - b. Construction Documents: Detailed design analysis by licensed structural engineer.
- E. Durability:
1. Expected Service Life Span: Expected functional service life of the built portions of this project is 50 years.
 - a. Service life spans of individual elements that differ from the overall project life span are defined in other Chapters.
 - b. Additional requirements for elements not required to have life span equal to that of the project as a whole are specified below under "Operation and Maintenance."
 - c. Substantiation: Since actual service life cannot be proven, substantiation of actual service life is not required; however, the following are reasonable indicators of anticipatable service life:
 - 1) Design Development: Service life expectancy analysis, for each element for which life span is specified; including:
 - a) Length of effective service life, and aesthetic service life if specified, with action required at end; e.g. complete replacement, partial replacement, refurbishment.
 - b) Basis of time estimates; e.g. proven-in-use application.
 - c) Basis of confidence in time estimates; e.g. similarity of present application to proven-in-use application.
 - d) Conditions under which estimate will be valid; e.g. expected uses, inspection frequency, maintenance frequency, etc.
 - 2) Design Development: Replacement cost, in today's dollars, for each major element that has a service life expectancy less than that of the project; include both material and labor cost, but not overhead or profit; base costs on installing in existing building, not as a new installation.
 - 3) Design Development: Life cycle cost of project, over the specified project service life, excluding operating staff costs; include costs of:
 - a) Replacement of each element not expected to last the life of the project; identify the frequency of replacement.
 - b) Energy for operation of equipment and systems, from energy analysis specified under "Operation and Maintenance".

- c) Routine maintenance of operating equipment, including replacement of worn parts before failure; identify frequency of maintenance.
 - d) Routine cleaning of exposed materials; identify type of cleaning and frequency.
 - e) Deduct salvage value of replaced elements.
 - f) Calculate costs in today's dollars, disregarding the time value of money, inflation, taxes, and insurance.
2. Animals: Do not use materials that are attractive to or edible by animals or birds.
 3. Insects: Do not use materials that are edible by insects, unless access by insects is prevented.
- F. Operation and Maintenance:
1. Energy Efficiency: Minimize energy consumption while providing function, amenity, and comfort specified.
 - a. Provide energy efficient design using procedures and values specified in ASHRAE 90.1-1999.
 - 1) Provide at least 10 percent less energy consumption than that of an equivalent minimally-complying baseline building, demonstrated by comparing the actual Design Energy Cost to the Energy Cost Budget of a prototype building, both calculated in accordance with ASHRAE 90.1.
 - b. Substantiation:
 - 1) Design Development: Detailed listing of design criteria and design analysis showing compliance, prepared by a licensed mechanical engineer.
 - 2) Design Development: Energy cost of all energy-consuming equipment and systems over the first year of operation; include analysis of probable change in annual cost over time due to aging but disregarding inflation and rate changes.
 - 3) Construction Documents: Detailed listing of design criteria and design analysis showing compliance, prepared by a licensed mechanical engineer.
 2. Water Consumption: Minimize water consumption.
 - a. Substantiation:
 - 1) Design Development: Quantity of water that will be used in the first year of operation, divided into domestic water, HVAC water, and other water categories, with required storage capacity and quantity of water recycled, if any; include basis of calculations.
 - 2) Construction Documents: Updated water consumption, based on actual equipment selections and sizes.
 3. Waste (Trash/Rubbish) Removal: As described in the project program and as follows:
 - a. See Chapter E11 for requirements for solid waste disposal.
 - b. **.Not used** (am#1)
 4. Ease of Operation: Provide facility, equipment, and systems that are easily operated by personnel with a reasonable level of training for similar activities.
 - a. Minimize the need for specialized training in operation of specific equipment or systems; identify all equipment and systems for which the manufacturer recommends or provides training programs.
 - b. Train Government's personnel in operation of equipment and systems; see Chapter 00830 for additional requirements.
 - c. Substantiation:
 - 1) Design Development: Operating impact analysis, including identification of type and quantity of staff, tools, and supplies required; estimate of impact that aging materials will have on operating requirements; no cost calculations required; identify source of data.
 - 2) Construction Documents: Updated operating impact analysis, based on actual product selections.
 5. Ease of Maintenance: Minimize the amount of maintenance required.
 - a. Substantiation:

- 1) Design Development: Maintenance impact analysis, including identification of maintenance effort (type of staff, time required, and frequency), tools, and supplies required, over expected functional and aesthetic service life of project; including preventive maintenance, replacement of parts, and cleaning, but not energy for operation or replacement at end of service life; no cost calculations required; identify source of data.
 - 2) Design Development: Maintenance cost for first year of operation, based on use of maintenance contracts; estimate of the impact that aging materials will have on maintenance costs; description of maintenance activities included in estimated cost.
 - 3) Construction Documents: Updated maintenance impact analysis, based on final product selections.
 - 4) Construction Documents: Updated maintenance cost for first year of operation, based on actual product selections.
6. Ease of Repair: Elements that do not meet the specified requirements for ease of repair may be used, provided they meet the specified requirements for ease of replacement of elements not required to have service life span equal to that specified for the project as a whole; the service life expectancy analysis and life cycle cost substantiation specified for service life are provided; and Government' acceptance is granted.
7. Ease of Replacement:
- a. Elements Not Required to have the Expected Service Life Span Equal to that Specified for the Project as a Whole: Make provisions for replacement without undue disruption of building operation.

ELEMENTS AND PRODUCTS

- A. In addition to requirements specified in other chapters, provide products and elements that comply with the following.
- B. Elements Made Up of More Than One Product:
1. Where an element is specified by performance criteria, use construction either proven-in-use or proven-by-mock-up, unless otherwise indicated.
 - a. Proven-In-Use: Proven to comply by having actually been built to the same or very similar design with the same materials as proposed and functioning as specified.
 - b. Proven-by-Mock-Up: Compliance reasonably predictable by having been tested in full-scale mock-up using the same materials and design as proposed and functioning as specified. Testing need not have been accomplished specifically for this project; when published listings of independent agencies include details of testing and results, citation of test by listing number is sufficient (submittal of all test details is not required).
 - c. The Contractor may choose whether to use elements proven-in-use or proven-by-mock-up, unless either option is indicated as specifically required.
 - d. Where test methods accompany performance requirements, use those test methods to test the mock-up.
 - e. Exception: Where a design analysis is specified, or allowed by the Government, substantiation of proven-in-use or proven-by-mock-up construction is not required.
 2. Where a type of product is specified, without performance criteria specifically applicable to the element, use the type of product specified.
 3. Where more than one type of product is specified, without performance criteria specifically applicable to the element, use one of the types of products specified.
 4. Where a type of product is specified, with applicable performance criteria, use either the type of product specified or another type of product that meets the performance criteria as proven-in-use or proven-by-mock-up.
 5. Where more than one type of product is specified, with applicable performance criteria, use either one of the types of products specified or another type of product that meets the

performance criteria as proven-in-use or proven-by-mock-up.

6. Where neither types of products nor performance criteria are specified, use products that will perform well within the specified life span of the building.

C. Products:

1. Where a product is specified only by a manufacturer name and model number/brand name, use only that model/brand product.
2. Where the properties of a product are specified by description and/or with performance criteria, use products that comply with the description and/or performance criteria.
3. Where manufacturers are listed for a particular product, use a product made by one of those manufacturers that also complies with other requirements.
4. Builders' Hardware:
 - a. All hardware, including hinges, closers, locksets, exit devices, door hold open devices, and door stops, shall be grade 1 in accordance with the Builders Hardware Manufacturers Association ANSI/BHMA Standards.
 - b. Lock Trim: Lock trim shall be cast, forged, or heavy wrought construction of commercial plain design. In addition to meeting the test requirement of BHMA A156.13, knobs, lever handles, roses, and escutcheons shall be 0.050 inch (1.27mm) thick, if unreinforced. If reinforced, the outer shell shall be 0.035 inch (0.89 mm) thick and the combined thickness shall be 0.070 inch (1.78 mm) except that knob shanks shall be 0.060 inch (1.52 mm) thick. Knob diameter shall be 2-1/8 to 2-1/4 inches (54 to 57 mm). Lever handles shall be of plain design with ends returned to no more than 1/2 inch (10 mm) from the door face.
 - c. Lock Cylinders and Cores (Mortise, Rim and Bored)
 - 1) Lock cylinders shall comply with BHMA A156.5. Lock cylinder shall have not less than seven pins.
 - 2) Cylinders shall have key removable type cores.
 - a) Disassembly of knob or lockset shall not be required to remove core from lockset.
 - b) All locksets, lockable exit devices, and padlocks shall accept the same interchangeable cores.
 - 3) Provide a master keying system.
 - 4) Provide a construction master keying system .
 - a) Furnish with construction interchangeable cores.
 - b) Use the manufacturer's standard construction key system.
 - 5) Keying: Locks shall be keyed in sets or subsets. Change keys for locks shall be stamped with change number and the inscription "U.S. Property - Do Not Duplicate." The keys shall be furnished to the Contracting Officer arranged in a container in sets or subsets as scheduled.
 - 6) Keys shall be supplied as follows:
 - a) Locks: 3 change keys each lock.
 - b) Master keyed sets: 6 keys each set.
 - c) Control keys: 6 total.
 - d) Construction keys: 6 total.
 - e) Blank keys: 20 total.

SUBSTANTIATION

- A. Definition: Substantiation is any form of evidence that is used to predict whether the design will comply with the requirements or to verify that the construction based on the design actually does comply. During Design Development and Construction Documents, requirements to submit substantiation are primarily intended to forestall use of designs or constructions that will not comply. At any time before completion of construction, substantiation is presumed to be only a prediction and may subsequently be invalidated by actual results.

1. Regardless of whether substantiation is specified or not, the actual construction must comply

with the specified requirements and may, at the Government's discretion, be examined, inspected, or tested to determine compliance.

2. Substantiation submittals will not be approved or accepted, except to the extent that they are part of documents required to be approved or accepted in order to proceed to the next stage of design or construction. However, approval or acceptance of substantiation will not constitute approval or acceptance of deviations from the specified requirements unless those deviations are specifically identified as such on the submittal. See Division 1 Sections 01015 DESIGN REQUIREMENTS AFTER AWARD and 01330 CONSTRUCTION SUBMITTAL PROCEDURES for definitions of "approved" and "accepted" submittals.
 3. The Government accepts the responsibility to review substantiation submittals in a timely manner and to respond if they are unacceptable.
- B. In addition to the requirements stated in other chapters, provide the following substantiation of compliance at each stage of the project:
1. If a substantiation requirement is specified without an indication of when it is to be submitted, submit or execute it before the end of Construction Documents.
 2. See also Division 1 Sections 01015 DESIGN REQUIREMENTS AFTER AWARD and 01330 CONSTRUCTION SUBMITTAL PROCEDURES for submittal requirements.
- C. Previous Construction: Where elements proven-in-use are used to comply with performance requirements:
1. In the Proposal, identify which elements will be accomplished using proven-in-use elements.
 2. During Design Development, identify proven-in-use elements proposed for use, including building name, location, date of construction, owner contact, and description of design and materials in sufficient detail to enable reproduction in this project.
- D. Mock-Up Testing: Where elements proven-by-mock-up are used to comply with performance requirements:
1. In the Proposal, identify which elements will be accomplished using proven-by-mock-up elements.
 2. During Design Development, identify proven-by-mock-up elements proposed for use, with test report including date and location of test, name of testing agency, and description of test and mock-up.
 3. Mock-up testing need not have been performed specifically for this project, provided the mock-up is substantially similar in design and construction to the element proposed.
- E. Design Analyses (including Engineering Calculations):
1. Where a design analysis or calculation is specified without identifying a particular method, perform analysis in accordance with accepted engineering or scientific principles to show compliance with specified requirements, and submit report that includes analysis methods used and the name and qualifications of the designer.
 2. Where engineering design is allowed to be completed after commencement of construction, substantiation may be in the form of shop drawings or other data.
 3. Submit design analyses at the end of Design Development unless otherwise indicated.
 4. Where design analysis is specified to be performed by licensed design professional, use a design professional licensed in the State in which the Project is located.
- F. Products:
1. Where actual brand name products are not identified by either the Government or the Contractor, identify the products to be used.

2. During Design Development:
 - a. Where more than one product type is identified for a particular system, assembly, or element, identify exactly which type will be used.
 - b. For each product type, provide descriptive or performance specifications; early submittals may be brief specifications, but complete specifications are required prior to completion of construction documents.
 - c. For each product type, identify at least one manufacturer that will be used.
 - d. For major manufactured products that are commonly purchased by brand name, and any other products so indicated, provide manufacturer's product literature on at least one actual brand name product that meets the specifications, including performance data and sample warranty.
3. During Construction:
 - a. Identify actual brand name products used for every product, except commodity products specified by performance or description.
 - b. Where a product is specified by performance requirements with test methods, and if so specified, provide test reports showing compliance.
 - c. Provide manufacturer's product literature for each brand name product.
 - d. Provide the manufacturer's certification that the product used on the project complies with the contract documents.
 - e. Builders' Hardware:
 - 1) **Hardware and Accessories:** Manufacturer's descriptive data, technical literature, catalog cuts, and installation instructions. Spare parts data for locksets, exit devices, closers, electric locks, electric strikes, electro-magnetic closer holder release devices, and electric exit devices, after approval of the detail drawings, and not later than 3 months prior to the date of beneficial occupancy. The data shall include a complete list of parts and supplies, with current unit prices and source of supply.
 - 2) **Hardware Schedule:** Hardware schedule listing all items to be furnished. The schedule shall include for each item: the quantities; manufacturer's name and catalog numbers; the ANSI number specified, sizes; detail information or catalog cuts; finishes; door and frame size and materials; location and hardware set identification cross-references to drawings; lock trim material thicknesses; lock trim material evaluation test results; corresponding reference standard type number or function number from manufacturer's catalog if not covered by ANSI or BHMA; and list of abbreviations and template numbers.
 - 3) **Keying:** Keying schedule developed in accordance with DHI Keying Systems, after the keying meeting with the user.
 - 4) **Certificates of Compliance:** The hardware manufacturer's certificates of compliance stating that the supplied material or hardware item meets specified requirements. Each certificate shall be signed by an official authorized to certify in behalf of the product manufacturer and shall identify quantity and date or dates of shipment or delivery to which the certificates apply. A statement that the proposed hardware items appear in BHMA L & R Directory, BHMA Closer Directory and BHMA Exit Devices Directory directories of certified products may be submitted in lieu of certificates.
 - 5) **Buy American Act:** Furnish a separate certificate of compliance attesting that hardware items conform to the Section 00700 Contract clauses pertaining to the Buy American Act.
 - f. Gypsum Board Products: Submit certification that gypsum board products, such as gypsum wallboard, gypsum backing board, cementitious backer units, and joint treating materials do not contain asbestos.
4. Before End of Closeout:
 - a. Provide copies of all manufacturer warranties that extend for more than one year after completion.

END OF CHAPTER 111

CHAPTER D5

ELECTRICAL POWER

PERFORMANCE

A. Basic Function:

1. Provide electrical power with the appropriate characteristics to operate all electrically operated devices, including those in other services.
2. The electrical system comprises the following elements:
 - a. Service and Distribution (D52): Service entrance equipment, distribution equipment, transformers, motor control equipment, service and feeder wiring (conductors and raceways), monitoring, safety and control equipment, and other elements required for a complete functional system.
 - b. Branch Circuits (D53): Branch circuit wiring and receptacles and other branch circuit wiring systems.
3. Utility Revenue Meters: Meter incoming electrical service on the low-voltage side of the service transformer (secondary metering).

B. Amenity and Comfort:

1. Convenience:
 - a. Locate a watt-hour-demand meter in a single location on the exterior side of the service transformer.
 - b. Provide watt-hour meter with pulse initiator, provide 3 #12 in 27 mm conduit to Data Terminal Cabinet in Utility Room. (Am#4)

C. Health and Safety:

1. Hazardous Locations: Comply with requirements of NFPA 70-2002 chapter on Hazardous (Classified) Locations, in the following areas:
 - a. Flammable liquid storage.
 - b. Vehicle repair.

D. Operation and Maintenance:

1. Power Consumption and Efficiency:
 - a. Comply with requirements of IEEE Standard 739-1995.
 - b. Comply with requirements of ASHRAE 90.1-1999.
2. Protection Against Disturbances:
 - a. Surge Protection:
 - 1) Provide protection of the following:
 - a) Receptacles serving personal computer terminals.
 - b) Receptacles serving network servers.
 - c) Power supply to fire alarm panel.
 - d) Receptacle serving communication system.
 - e) Primary compartment of pad mounted transformer station.
3. Operating Expense: Minimize operating expenses by providing power factor correction, if cost effective.

END OF CHAPTER D5

CHAPTER D7

TELECOMMUNICATIONS

PERFORMANCE

A. Basic Function:

1. Provide the following communications services: For exterior, provide new underground ducts with required cabling as stated in drawings E-1,2.
 - a. Voice and Data (D71): Infrastructure for voice and data transmission shall conform to " Ft. Hood 1114th Signal Battalion Directorate of Information Management Bldg. Communications Wiring Standard".
 - b. Sound Reinforcement (D72): Public address and Intercom.

B. Operation and Maintenance:

1. Power Consumption and Efficiency:
 - a. Comply with requirements for energy efficiency of electrical equipment in ASHRAE 90.1-1999.
2. Ease of Use:
 - a. Provide communication terminal backboards in Communication rooms.
 - b. Communication rooms shall be located such that maximum horizontal copper cable distance from patch panel through the structured cabling system to the furthest outlet does not exceed 90 m (300 feet). Each room shall be independently climate controlled, capable of providing cooling year round.
 - c. deleted (Am#4)
3. Allowance for Change and Expansion:
 - a. Spare Distribution Capacity: 20 percent, minimum.

PRODUCTS

A. Use the following:

1. Plywood backboard.
2. Equipment racks: Racks shall be welded steel or aluminum relay with uprights to mount equipment, 480mm (19") wide x 2.1m (7') high and painted. Uprights shall be 75mm (3") deep channel, 32mm (1-1/4") wide, drilled and tapped 12-24 in a 13mm (1/2") pattern. Racks shall be provided with a standard top crossmember, and predrilled base plate to allow floor fastening.

END OF CHAPTER D7

CHAPTER G12

EARTHWORK

PERFORMANCE

A. Basic Function:

1. Modify the site grades and soils as required for construction of buildings and utilities, for proper functioning of the project, and as indicated in the project program.
 - a. The existing grade slopes from southeast to northwest across the project site. The objective of the grading scheme should be to minimize and balance earthwork to the greatest extent possible. **The site shall be graded in a manner to direct storm runoff generally to the north and east and to storm inlets within the site. Storm runoff shall not be allowed to flow from the new tactical equipment hardstand on to the hardstand of existing building 40015 east of the site. (AM#4)** The project site is approximately 14 acres. A Stormwater Pollution Prevention Plan is required. Silt fences, hay bale barriers and other stormwater controls shall be required to prevent the movement of silt and other construction debris from the construction site.
 - b. Borrow for the project site shall be obtained off Government controlled property at the responsibility of the contractor. Waste Earth shall be disposed of in the DPW material compound. See Attachment A drawing C-1 and C-2 for the location of the DPW material compound.
 - c. Refer to the SWD Architectural and Engineering Instruction Manual (SWD-AEIM) Chapter 2 for grading requirements and further reference guidance.
2. Principal finished site earthwork elements required include:
 - a. Access drives.
 - b. Parking lots.
 - c. Hardstand.
 - d. Permanent erosion control structures as required.
3. Where earthwork elements also must function as elements defined within another element group, meet the requirements of both element groups.
4. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter G - Sitework, and Chapter G1 - Site Preparation.

REFERENCES

A. Army Technical Manuals

1. TM 5-803-5, Installation Design
2. TM 5-820-4, Drainage for Areas Other Than Airfields
3. TM 5-822-2, General Provisions and Geometric Design for Roads, Streets, Walks, and Open Storage Areas
4. DG 1110-3-204, Design Guide for Army and Air Force Airfields, Pavements, Railroads, Storm Drainage, and Earthwork

END OF CHAPTER G12

CHAPTER G33

STORM SEWER

PERFORMANCE

A. Basic Function:

1. Provide storm sewer system to meet project storm drainage requirements.
 - a. Minimum Pipe Size: 450 mm (18 inches) in diameter.
2. Site storm drainage shall be accomplished by the use of sheet flow, ditches, swales and underground storm drain pipes or culvert design. Storm drainage from the project site shall be collected in surface or curb inlets and carried through underground storm drain pipes or culverts west and northwest of the site under Motor Pool Road and emptied into (AM#4) the existing drainage creeks or ditches west of Motor Pool Road.
3. Where storm sewer elements must also function as elements defined within another element group, meet requirements of both element groups.
4. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter G - Sitework, and Chapter G3 - Site Services.

PRODUCTS

A. Pipe:

1. Pipe for storm drains for sizes 450mm (18") and larger shall be one of the following: reinforced concrete pipe; fully coated, fully paved or lined, corrugated steel pipe, fully coated and lined corrugated aluminum alloy pipe, ductile iron culvert pipe, PVC pipe (ribbed, corrugated and smooth wall), and corrugated PE pipe. For pipe sizes less than 300mm (i.e. roof drains) pipe materials shall include non-reinforced concrete pipe, clay pipe, PVC and PE pipe.

B. Manholes:

1. Use one or more of the following:
 - a. Prefabricated concrete.
 - b. Cast-in-place concrete.

END OF CHAPTER G33

SECTION 01000

DESIGN AND CONSTRUCTION SCHEDULE

03/2001

AMENDMENT NO. 0004

PART 1 GENERAL

1.1 SCHEDULE

Commence, prosecute, and complete the work under this contract in accordance with the following schedule and Section 00700 CONTRACT CLAUSES clauses COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK and LIQUIDATED DAMAGES:

Item of Work	Commencement of Work (calendar days)	Completion of Work (calendar days) ¹ (AM#4)	Liquidated Damages per calendar day
(1) Completion of all design and construction work except Establishment of Turf, Truck Loading Dock and associated paving and sitework	Within 10 calendar days after receipt of Notice of Proceed	500	\$1400.00
(Am#3) <u>(2) Design and construction of Truck Loading Dock and associated paving and sitework</u>	<u>Within 10 calendar days after receipt of Notice of Proceed</u>	<u>90</u>	<u>\$ 500.00</u>
(3) Establishment of Turf	*	*	---

¹NOTES:

- a. The Contract duration stated above for Work Item 1 is the maximum duration (**AM#4**) for the project. Upon Contract Award, the Contractor's proposed duration as stated on the Price Proposal Schedule shall become the contract duration for this Work Item. The liquidated damages stated above will be applied for each calendar day the Contractor exceeds the Contract duration schedule.
- b. See Section 01015 DESIGN REQUIREMENTS AFTER AWARD, paragraph "SUBMISSION OF CONSTRUCTION DRAWINGS, SPECIFICATIONS, AND DESIGN ANALYSES," concerning submission of construction documents and Section 01000 paragraph, "SEQUENCE OF DESIGN/CONSTRUCTION," concerning start of construction.
- c. For construction planning purposes Government review time for review submittals is specified in 01015 DESIGN REQUIREMENTS AFTER AWARD.
- d. Delay in completion of design will not be considered as a valid reason to delay completion of entire work.

*Establishment of Turf

Planting and maintenance for turfing shall be in accordance with Contractor's Section for TURFING. No payment will be made for establishment of turf until all requirements of the section are adequately performed and accepted, as determined by the Contracting Officer.

1.1.1 Testing of Heating and Air-Conditioning Systems

The times stated for completion of this project includes all required testing specified in appropriate specification sections of heating, air conditioning and ventilation systems including HVAC Commissioning. Exception: boiler combustion efficiency test, boiler full load tests, cooling tower performance tests, and refrigeration equipment full load tests, when specified in the applicable specifications, shall be performed in the appropriate heating/cooling season as determined by the Contracting Officer.

1.2 TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER (OCT 1989)
(ER 415-1-15)(52.0001-4038 1/96)

a. This provision specifies the procedure for determination of time extensions for unusually severe weather in accordance with the contract clause entitled "Default: (Fixed Price Construction)." In order for the Contracting Officer to award a time extension under this clause, the following conditions must be satisfied:

- (1) The weather experienced at the project site during the contract period must be found to be unusually severe, that is, more severe than the adverse weather anticipated for the project location during any given month.
- (2) The unusually severe weather must actually cause a delay to the completion of the project. The delay must be beyond the control and without the fault or negligence of the contractor.

b. The following schedule of monthly anticipated adverse weather delays due to precipitation and temperature is based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the project location and will constitute the base line for monthly weather time evaluations.

The contractor's progress schedule must reflect these anticipated adverse weather delays in all weather dependent activities. Wind is not considered in the Monthly Anticipated Adverse Weather Calendar Day Schedule.

MONTHLY ANTICIPATED ADVERSE WEATHER DELAY
 WORK DAYS BASED ON (5) DAY WORK WEEK

KILLEEN, TX AREA (FORT HOOD, BELTON AND STILLHOUSE LAKES AND RESERVE CTRS. ALONG HWY 36 FROM HWY 79 TO HWY US67)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
4	4	4	4	6	4	3	3	4	4	3	4

c. Upon acknowledgment of the Notice to Proceed (NTP) and continuing throughout the contract, the contractor will record on the daily CQC report, the occurrence of adverse weather and resultant impact to normally scheduled work. Actual adverse weather delay days must prevent work on critical activities for 50 percent or more of the contractor's scheduled work day.

The number of actual adverse weather delay days shall include days impacted by actual adverse weather (even if adverse weather occurred in previous month), be calculated chronologically from the first to the last day of each month, and be recorded as full days. If the number of actual adverse weather delay days exceeds the number of days anticipated in paragraph "b", above, the Contracting Officer will convert any qualifying delays to calendar days, giving full consideration for equivalent fair weather work days, and issue a modification in accordance with the contract clause entitled "Default (Fixed Price Construction)."

1.3 WORK RESTRICTIONS

1.3.1 Working Hours

Normal duty working hours shall be Monday through Friday, 0700 to 1700 hours.

1.3.2 Security Requirements

(AM#4) For the duration of this Contract, access to Fort Hood will be delayed between 5 minutes to 30 minutes or more due to increased security precautions, including the checking of vehicle occupants' IDs, vehicle manifests, and the searching of all vehicles. Any general or specific threat to the safety of those working or living at Fort Hood could result in longer waiting times at the access points to Fort Hood.

The following are requirements for contractor employees entering Fort Hood:

- a. One form of picture ID.
- b. A memo from the construction company on their letterhead stating the reason for entry, contract number, and the location at Fort Hood where the jobsite is located.
- c. All delivery trucks must have a bill of lading and delivery truck drivers must have a picture ID.
- d. Employee Identification Badges: Contractor personnel shall wear visible Contractor-furnished employee identification badges while physically on the Installation. Each badge shall include, as a minimum, the company name, employee name, photograph, Contract Title,

Contract Number, and the expiration date of the badge. See Section 01500
TEMPORARY CONSTRUCTION FACILITIES for additional requirements.

1.4 UTILITIES

1.4.1 Payment for Utility Services (FAR 36.303(C)(6))

Water, gas, and electricity are available from Government-owned and operated systems and will be charged to the Contractor at rates as provided in Contract Clause 52.236.14 AVAILABILITY AND USE OF UTILITY SERVICES.

(Am#3) 1.4.1.1 Meters and Temporary Connections

The Contractor, at its expense and in a manner satisfactory to the Contracting Officer, shall provide and maintain necessary temporary connections, distribution lines, and meter bases required to measure the amount of each utility used for the purpose of determining charges. The Contractor shall notify the Contracting Officer, in writing, 5 working days before utility (gas, water, electricity) connections are desired so that a utilities contract can be established.

(Am#3) 1.4.1.2 Final Meter Reading

Before completion of the work and final acceptance of the work by the Government, the Contractor shall notify the Contracting Officer, in writing, 5 working days before termination is desired. The Government will take a final meter reading. The Contractor shall then remove all the temporary distribution lines, meter bases, and associated paraphernalia. The Contractor shall pay all outstanding utility bills before final acceptance of the work by the Government.

1.4.2 Outages

The Contractor shall coordinate all requests for utility outages with the Contracting Officer in writing 14 days prior to date of requested outage:

a. Water, (Am#3) and sewer outages shall be held to a maximum duration of 4 hours unless otherwise approved in writing.

b. All utility outages shall be scheduled only on Saturdays, Sundays, or holidays unless specific approval is otherwise received.
(Am#3)

c. Gas or Electrical outages are prohibited. Connections to gas and electric lines shall be connected hot without an outage. (Am#3)

1.5 STREET CLOSINGS

The Contractor shall coordinate all requests for street closings with the Contracting Officer in writing 14 days prior to date of requested outage:

a. One lane traffic shall be maintained at all times (except that a total closing may be allowed for specific 8-hour periods).

b. The final street repair shall be completed within 14 days after the start of any street crossing. Any part of the street

returned to service prior to final repair shall be maintained smooth with hot-mix cold-lay surface course.

c. Open cuts across paved roads and streets for utility crossings will not be allowed. Utility crossings will be accomplished by boring or jacking procedures unless otherwise indicated. (Am#3)

(AM3#)

1.6 1.6 PAYMENT FOR MOBILIZATION AND DEMOBILIZATION (DFAR 252.236-7004)(DEC 1991)

(a) The Government will pay all costs for the mobilization and demobilization of all of the Contractor's plant and equipment at the contract lump sum price for this Item.

(1) 60 percent of the lump sum price upon completion of the Contractor's mobilization at the work site.

(2) The remaining 40 percent upon completion of demobilization.

(b) The Contracting Officer may require the Contractor to furnish cost data to justify this portion of the bid if the Contracting Officer believes that the percentages in paragraphs (a)(1) and (2) of this clause do not bear a reasonable relation to the cost of the work in this contract.

(1) Failure to justify such price to the satisfaction of the Contracting Officer will result in payment, as determined by the Contracting Officer, of-

(i) Actual mobilization costs at completion of mobilization;

(ii) Actual demobilization costs at completion of demobilization; and

(iii) The remainder of this item in the final payment under this contract.

(2) The Contracting Officer's determination of the actual costs in paragraph (b)(1) of this clause is not subject to appeal.

1.7 SEQUENCE OF DESIGN/CONSTRUCTION

(a) After receipt of the Contract Notice to Proceed (NTP) the Contractor shall initiate design, comply with all design submission requirements as covered under Division 01 General Requirements, and obtain Government review of each submission. No construction may be started, with the exception of clearing, etc, until the Government reviews the Final Design submission and determines it satisfactory for purposes of beginning construction. The Contracting Officer will notify the Contractor when the design is cleared for construction. The Government will not grant any time extension for any design resubmittal required when, in the opinion of the Contracting Officer, the initial submission failed to meet the minimum quality requirements as set forth in the Contract.

(b) If the Government allows the Contractor to proceed with limited construction based on pending minor revisions to the reviewed Final Design submission, no payment will be made for any in-place construction related to the pending revisions until they are completed, resubmitted and are satisfactory to the Government.

(c) No payment will be made for any in-place construction until all required submittals have been made, reviewed and are satisfactory to the Government.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

-- End of Section --