LIST OF EXHIBITS

I-A-1 - DESIGN SUBMITTALS CHECKLIST

I-A-2 - SUBMITTAL DISTRIBUTION SPREADSHEET

I-A-3 - PREDESIGN CONFERENCE CHECKLIST

I-A-4 - PAYMENT ESTIMATE - CONTRACT PERFORMANCE (ENG Form 93)

I-A-5 - SUGGESTED FORMAT FOR REPORT OF FIELD VISIT

I-A-6 ARCHITECT-ENGINEER AND RELATED SERVICES QUESTIONNAIRE FOR SPECIFIC PROJECT (SF 255)

I-A-7 SAMPLE OF DD FORM 1391

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I-A-9 RELEASE OF CLAIMS FORM

SUBMITTAL MATRIX SUMMARY
FOR A TYPICAL MILITARY CONSTRUCTION PROJECT

ITEM	DESCRIPTION	10 %	35 %	60 %	100%	RTA
	SITE DEVELOPMENT					
C-a.	Site Plan sketch of the proposed project site showing the "existing" topography, scale, spot grades, etc	X				
C-b.	Design Analysis/Narrative a. General Descriptive Data b. Demolition/Removal Explanation c. Site Geometry Rationale d. Site Grading Features e. Storm Drainage Design f. Pavement Design g. Landscape Design h. Berm Design	X	X		X	X
C-1.	Site Development Drawings		X	X	X	X
L-2.	Landscape Plans		X	X	X	X
C-3.	Outline Specifications Both Site & Landscape		X			
C-4.	Estimated Sitework Quantities	X	X	X	X	
C-5.	Survey Data		X			
C-6.	Annotated Review Comments From Previous Submittal			X	X	X
C-7.	Drawings in Electronic Copy					X
C-8.	Specifications (Electronic & Hard Copy)				X	X
C-9.	Erosion and Sedimentation Control Plan			X	X	X
	SOILS					
D-1.	Design Analysis, a Completed SAS Form Letter 363		X			
D-2.	Reproducible Site Plan Drawings		X			
D-3.	Annotated Review Comments From			X	X	X

ITEM	DESCRIPTION	10 %	35 %	60 %	100%	RTA
	Previous Submittal					
D-4.	Specifications (Electronic & Hard Copy)				X	X
	STRUCTURAL					
S-1.	Structural Narrative	X	X	X	X	
S-2.	Design Analysis		X		X	X
S-3.	Structural System Selection Analysis		X			
S-4.	Structural Drawings			X	X	X
S-5.	Outline Specifications		X			
S-6.	Preliminary Specifications					
S-7.	Specifications (Electronic & Hard Copy)				X	X
S-8.	Quality Assurance				X	
S-9.	Annotated Review Comments From Previous Submittal			X	X	X
S-10.	Drawings in Electronic Copy		X		X	X
	ARCHITECTURAL					
A-1.	Functional Floor Plans, Major Elevations	X				
A-2.	Detailed Floor Plans, All Elevations		X	X	X	
A-3.	Architectural Design Approach Narrative/ General Description of the Project	X	X		X	
A-4.	Annotated Review Comments From Previous Submittal		X	X	X	X
A-5.	Architectural Drawings		X	X	X	X
A-6.	Outline Specifications		X			
A-7.	Specifications (Electronic & Hard Copy)				X	X
A-8.	Hardware Schedule and Consultant Name & Credentials				X	
A-9.	Color Boards* SEE NOTE ON NEXT PAGE		X	X	X	X

ITEM	DESCRIPTION	10 %	35 %	60 %	100%	RTA
	MECHANICAL					
M-1.	Mechanical Narrative	X	X	X	X	
M-2.	Annotated Review Comments From Previous Submittal		X	X	X	X
M-3.	Design Analysis/Standard Computation Forms		X		X	X
M-4.	Mechanical Drawings		X	X	X	X
M-5.	Field Trip Report(s)		X			
M-6.	Outline Specifications		X			
M-7.	Specifications (Electronic & Hard Copy)				X	X
M-8.	Drawings in Electronic Copy		X	X	X	X
	ELECTRICAL POWER, LIGHTING, GROUNDING, COMMUNICATIONS AND ALARM SYSTEMS					
E-1.	Electrical Narrative Interior Electrical System Design Narrative Exterior Electrical Distribution System Design Narrative Energy Conservation Design Narrative	X	X	X	X	
E-2.	Field Trip Report		X			
E-3.	Annotated Review Comments From Previous Submittal			X	X	X
E-4.	Design Analysis/Standard Computation Forms		X		X	X
E-5.	Electrical Drawings		X	X	X	X
E-6.	Outline Specifications		X			
E-7.	Specifications (Electronic & Hard Copy)				X	X
E-8.	Drawings in Electronic Copy		X	X	X	X

	FIRE PROTECTION					
FP-1.	Design Analysis		X		X	X
FP-2.	Fire Prevention/Life Safety Drawing(s)		X	X	X	X
FP-3.	Fire Prevention Engineer Certification				X	
FP-4.	Annotated Review Comments From Previous Submittal		X	X	X	X
FP-5.	Outline Specifications		X			
FP-6.	Final Specifications (Electronic & Hard Copy)				X	X
FP-7.	Drawings in Electronic Form		X	X	X	X
	ENERGY ANALYSES, ECONOMIC ANALYSES, HVAC CONTROL SYSTEMS, AND EMCS					
MC-1.	HVAC Alternatives Coordination	X	X			
MC-2.	Modeling Input Data	X				
MC-3.	Energy Analysis Narrative a. Printouts of I/O data for EB and LCC simulations. b. U-value calculations for exterior surfaces. c. EB breakdown for each building. d. Life Cycle Cost Analysis. e. Energy conservation methods report. f. List of specs to be used. g. I/O data diskette (when required).		X			
MC-4.	HVAC Controls Drawings & EMCS Plans		X	X	X	X
MC-5.	Annotated Review Comments		X	X	X	X
MC-6.	Outline Specifications		X			X
MC-7.	Final Specifications (Electronic & Hard Copy)				X	X
MC-8.	HVAC Controls Design Analysis				X	
MC-9.	Revised energy budget calculations and report for any significant changes				X	X

MC-10.	Drawings in Electronic Form		X	X	X	X
	ENVIRONMENTAL					
W-1.	Studies (If required)		X			
W-2.	Study Plan Submittal		X			
W-3.	Exterior Utility Layouts Drawings		X	X	X	X
W-4.	Fire Flow Analysis		X		X	X
W-5.	Design Analysis, tabulation recapitulating the total utility system loads; sanitary sewer, water			X	X	
W-6.	Outline Specifications		X			
W-7.	Final Specifications (Electronic & Hard Copy)				X	X
W-8.	Drawings in Electronic Copy		X	X	X	X
	COST ESTIMATING					
CE-1.	Cost Estimate (Electronic & Hard Copy)	X	X	X	X	X
CE-2.	Cost Estimate backup & quantity take-off		X	X	X	X
	ABATEMENT DESIGNS					
R-1.	Asbestos Survey and Abatement Plans	X	X		X	X
R-2.	Lead Base Paint Survey and Abatement Plans	X	X		X	X
	MISCELLANEOUS					
O-1.	Scope of Work Narrative for CBD				X	
O-2.	Construction Time Estimate				X	
O-3.	Schedule (Section B)				X	
O-4.	Table of Contents of Technical Specifications				X	
O-5.	List of Government-Furnished Equipment				X	

O-6.	Salvageable Material Listing				X	
O-7.	List of special situations requiring special work restraints				X	
O-8.	Field Trip Report(s)	X	X	X	X	X
O-9	Sustainable Design Spreadsheet checklist indicating what LEED or SPiRiT points the design intends to pursue.	X	X	X	X	X
	CONSTRUCTION PHASING					
PH-1.	Verbal Description of Phasing				X	X
PH-2.	Site Plans Showing each Demolition and/or Construction Phase				X	X
PH-3	Mechanical Site and Exterior Electrical Plans Showing each Demolition and/or Construction Phase				X	X

* This may be submitted later following the actual submittal with prior coordination with the Project Engineer or Project Manager.

SUBMITTAL DISTRIBUTION

L.I. _____, FY-__, _____, Fort _____

DESIGN PHASE		Code 3 Design			Concept/Early Prelim/Prelim Design				60% Design		Final Design					Corrected Final Design				
Submittal Items		Plans	Dgn Anal/ Narrative	Cost Est	Plans	Dgn Anal/ Narrative	Cost Est	Other	Plans	Cost Est	Plans	Spec	Dgn Anal/ Narrative	Cost Est	Other	Plans	Spec	Dgn Anal/ Narrative	Cost Est	Other
SAS Submittals																				
Project Engineer	EN-EME	2	2	1	2	2	1	0	1	1	2	2	2	1	1	1	1	1	1	1
Design Branch	EN-D	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Structural	EN-DS	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Architectural	EN-DA	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Interior Design	EN-DA	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Mechanical	EN-DM	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Energy Analysis	EN-DM	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Fire Protection	EN-DM	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Electrical	EN-DE	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Environmental	EN-DG	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Site Development	EN-DG	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Geotechnical	EN-GG	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
HTRW	EN-GH	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Soils/Geotech	EN-GS	1	1	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0
Cost Engineering	EN-C	1	1	0	1	1	1	0	1	1	1	1	1	1	0	0	0	0	1	0
Specifications	EN-ES	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
CADD	EN-EC	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Files	EN-ESF	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Project Manager	PM-M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Construction	CD-QT	0	0	0	0	0	0	0	0	0	4	4	0	0	0	1	1	0	0	0
Value Engineer	EN-V	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Originals (Full/Half Size)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
Subtotal		19	18	3	21	20	6	2	18	4	23	23	18	4	3	5	5	4	5	4
External Submittals																				
Installation		12	12	1	12	12	1	0	2	1	12	12	12	1	1	2	2	2	1	0
Area Engineer		1	1	0	1	1	0	0	0	0	2	2	0	0	0	1	1	0	0	0
USAISEC-CONUS		0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0
United Spinal Association		0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
COS Design Agency		1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Army Ctr of Excellence (Din Fac)		1	1	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
ITR Agency		0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0
MACOM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAD		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HQ USACE		1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OACSIM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Design A-E		3	3	1	3	3	1	1	3	1	3	3	3	1	1	0	0	0	0	0
Subtotal		19	19	3	20	20	2	1	5	2	21	21	17	2	3	4	4	3	1	0
Total		38	37	6	41	40	8	3	23	6	44	44	35	6	6	9	9	7	6	4

Predesign Checklist

LOCATION: _____ **DATE:** _____
FY: ____ **LINE NO.:** _____ **DESCRIPTION:** _____
DIRECTIVE NO.: _____ **DATE:** _____**SCOPE:** _____
BASIS OF DESIGN: ORIGINAL: ____ **DEFINITIVE:** ____ **SITE ADAPT:** ____

Item	Predesign	Concept	Preliminary	Final	Remarks
A. General Sitting: **(CESAS-PM)**					
1. Complies with Master Plan: _____	( )	( )	( )	( )	_____
2. Orientation: _____	( )	( )	( )	( )	_____
3. Clean Site:	( )	( )	( )	( )	_____
3.a. DPW letter on hand: _____	( )	( )	( )	( )	_____
4. Future Expansion: _____	( )	( )	( )	( )	_____
5. Relocation's: _____	( )	( )	( )	( )	_____
6. Demolition:	( )	( )	( )	( )	_____
6.a. By whom: _____	( )	( )	( )	( )	_____
6.b. Date: _____	( )	( )	( )	( )	_____
7. Real Estate Action: _____	( )	( )	( )	( )	_____
8. Phasing: _____	( )	( )	( )	( )	_____
9. Special working Restrictions: ____	( )	( )	( )	( )	_____
10. Special Problems: _____	( )	( )	( )	( )	_____
B. Criteria: **(CESAS-PM)**					
1. Approved Site Plan: _____	( )	( )	( )	( )	_____
2. Design Cost Target: _____	( )	( )	( )	( )	_____
3. Functional Dsgn Data: _____	( )	( )	( )	( )	_____
4. Engineering Inst.: _____	( )	( )	( )	( )	_____
5. Specific Inst.: _____	( )	( )	( )	( )	_____
C. Basic Information: **(CESAS-PM)**					
1. Topography: _____	( )	( )	( )	( )	_____
2. Existing Imp: _____	( )	( )	( )	( )	_____
3. Foundation Survey: _____	( )	( )	( )	( )	_____
4. As-Built Plans:	( )	( )	( )	( )	_____
4.a. Bldg.: _____	( )	( )	( )	( )	_____
4.b. Utilities: _____	( )	( )	( )	( )	_____
5. Utility Outage Req.: _____	( )	( )	( )	( )	_____
6. Street Crossing restr: _____	( )	( )	( )	( )	_____
7. Other Restrictions: _____	( )	( )	( )	( )	_____
D. Building (Structural): **(CESAS-EN-DS)**					
1. Special Foundations: _____	( )	( )	( )	( )	_____
2. Special Loading: _____	( )	( )	( )	( )	_____
3. Framing: _____	( )	( )	( )	( )	_____

E. Building (Architectural): **(CESAS-EN-DA)**

1. Type (AFM 88-15): _____	( )	( )	( )	( )	_____
1.a. "N": _____	( )	( )	( )	( )	_____
1.b. "C": _____	( )	( )	( )	( )	_____
1.c. Fire Resistive: _____	( )	( )	( )	( )	_____
2. Type AR 210-18: _____	( )	( )	( )	( )	_____
3. Type EM 1110-3-101: _____	( )	( )	( )	( )	_____
4. Construction Materials:	( )	( )	( )	( )	_____
4.a. Optional dsgns: _____	( )	( )	( )	( )	_____
4.b. Departure frm plans: _____	( )	( )	( )	( )	_____
4.c. Special Reqs: _____	( )	( )	( )	( )	_____
5. Painting (Color Ref.): _____	( )	( )	( )	( )	_____
6. Security Features: _____	( )	( )	( )	( )	_____
6.a. Hardware: _____	( )	( )	( )	( )	_____
6.b. Penetration: _____	( )	( )	( )	( )	_____
6.c. Values: _____	( )	( )	( )	( )	_____
7. Master Keying: _____	( )	( )	( )	( )	_____
8. Materials in short supply: _____	( )	( )	( )	( )	_____
9. Mat long proc time: _____	( )	( )	( )	( )	_____
10. Other: _____	( )	( )	( )	( )	_____
_____	( )	( )	( )	( )	_____
_____	( )	( )	( )	( )	_____
_____	( )	( )	( )	( )	_____
_____	( )	( )	( )	( )	_____
_____	( )	( )	( )	( )	_____

F. Building (Mechanical): **(CESAS-EN-DM)**

1. Heat., Vent., & Air Conditioning:					
1.a. Type:					
1.a.1. Heat _____	( )	( )	( )	( )	_____
1.a.2. Vent: _____	( )	( )	( )	( )	_____
1.a.3. A C: _____	( )	( )	( )	( )	_____
1.b. Controlling Design Factors:					
_____	( )	( )	( )	( )	_____
1.c. Humidity: _____	( )	( )	( )	( )	_____
1.d. Temp Special Req.: _____	( )	( )	( )	( )	_____
1.e. Heat Generation of Equipment (by room): _____	( )	( )	( )	( )	_____
1.f. Outside Air Req.: _____	( )	( )	( )	( )	_____
1.g. Diversity Factors: _____	( )	( )	( )	( )	_____
1.h. Personnel Loads: _____	( )	( )	( )	( )	_____
1.i. Type Fuel: _____	( )	( )	( )	( )	_____
1.j. Standby: _____	( )	( )	( )	( )	_____
1.k. Outage Requirements on Existing Systems: _____					
_____	( )	( )	( )	( )	_____
2. Steam: _____					
_____					
_____	( )	( )	( )	( )	_____
3. Refrigeration: _____					
_____					
_____	( )	( )	( )	( )	_____
4. Compressed Air: _____					
_____					

_____ ( ) ( ) ( ) ( ) _____

5. Controls: _____

_____

_____ ( ) ( ) ( ) ( ) _____

6. Venting: _____

_____

_____ ( ) ( ) ( ) ( ) _____

7. Special Access: _____

_____

_____ ( ) ( ) ( ) ( ) _____

8. Space Allocation: _____

_____

_____ ( ) ( ) ( ) ( ) _____

9. Separate Boiler Plant: _____ ( ) ( ) ( ) ( ) _____

10. Separate Equip. Room: _____ ( ) ( ) ( ) ( ) _____

11. Phasing Requirements: _____

_____

_____ ( ) ( ) ( ) ( ) _____

12. Optional Materials: _____

_____ ( ) ( ) ( ) ( ) _____

13. Plumbing:

13.a. Special Features: _____ ( ) ( ) ( ) ( ) _____

_____

13.b. Rough-in for equipment: ____ ( ) ( ) ( ) ( ) _____

_____

13.c. Fixtures: _____ ( ) ( ) ( ) ( ) _____

_____

13.d. Sumps: _____ ( ) ( ) ( ) ( ) _____

_____

13.e. Avail Pressure: _____ ( ) ( ) ( ) ( ) _____

_____

13.f. Optional Materials: _____ ( ) ( ) ( ) ( ) _____

_____

14. Sound Suppression: _____ ( ) ( ) ( ) ( ) _____

_____

15. Fire Protection:

15.a. Sprinklers:

15.a.1. Type: _____ ( ) ( ) ( ) ( ) _____

15.a.2. GPM: _____ ( ) ( ) ( ) ( ) _____

15.a.3. Demand: _____ ( ) ( ) ( ) ( ) _____

15.a.4. GPM: _____ ( ) ( ) ( ) ( ) _____

15.a.5. Storage: _____ ( ) ( ) ( ) ( ) _____

15.b. Hose racks: _____ ( ) ( ) ( ) ( ) _____

_____

15.c. Extinguishers: _____ ( ) ( ) ( ) ( ) _____

_____

15.d. Automatic: _____ ( ) ( ) ( ) ( ) _____

_____

15.e. Existing System: _____ ( ) ( ) ( ) ( ) _____

_____

15.e.1. Tie in Rqmts: _____ ( ) ( ) ( ) ( ) _____

_____

G. BUILDING (ELECTRICAL): **(CESAS-EN-DE)**

Predesign Checklist

1. Lighting:
   - 1.a. Ineand: _____ ( ) ( ) ( ) ( ) _____
   - 1.b. Fluor: _____ ( ) ( ) ( ) ( ) _____
   - 1.c. Intensity: _____ ( ) ( ) ( ) ( ) _____
   - 1.d. Hazard areas: _____ ( ) ( ) ( ) ( ) _____
   - 1.e. Refrig areas: _____ ( ) ( ) ( ) ( ) _____
   - 1.f. High bay: _____ ( ) ( ) ( ) ( ) _____
   - 1.g. Low bay: _____ ( ) ( ) ( ) ( ) _____
   - 1.h. Special process (safelight, ultra violet, etc): ____ ( ) ( ) ( ) ( ) _____
   - 1.i. Controls (dimming, contactors, etc): _____ ( ) ( ) ( ) ( ) _____
   - 1.j. Wiring:
     - 1.j.1. Conduit: _____ ( ) ( ) ( ) ( ) _____
     - 1.j.2. Cable: _____ ( ) ( ) ( ) ( ) _____
     - 1.j.3. Trough: _____ ( ) ( ) ( ) ( ) _____
     - 1.j.4. Duct: _____ ( ) ( ) ( ) ( ) _____
     - 1.j.5. Bus: _____ ( ) ( ) ( ) ( ) _____
   - 1.k. Shock: _____ ( ) ( ) ( ) ( ) _____
   - 1.l. Shield: _____ ( ) ( ) ( ) ( ) _____
   - 1.m. Mount: _____ ( ) ( ) ( ) ( ) _____
   - 1.n. Phasing Requirements: _____ ( ) ( ) ( ) ( ) _____
   - 1.o. Optional materials: _____ _____ ( ) ( ) ( ) ( ) _____

2. Power:
   - 2.a. Voltage: _____ ( ) ( ) ( ) ( ) _____
   - 2.b. Frequency: _____ ( ) ( ) ( ) ( ) _____
   - 2.c. Demand: _____ ( ) ( ) ( ) ( ) _____
   - 2.d. Loads: _____ ( ) ( ) ( ) ( ) _____
   - 2.e. Special outlets: _____ ( ) ( ) ( ) ( ) _____
   - 2.f. Transformers: _____ ( ) ( ) ( ) ( ) _____
   - 2.g. Rectifiers: _____ ( ) ( ) ( ) ( ) _____
   - 2.h. Generators: _____ ( ) ( ) ( ) ( ) _____
     - 2.h.1. Standby: _____ ( ) ( ) ( ) ( ) _____
     - 2.h.2. Micro power: _____ ( ) ( ) ( ) ( ) _____
   - 2.i. Transfer:
     - 2.i.1. Auto.: _____ ( ) ( ) ( ) ( ) _____
     - 2.i.2. Manual: _____ ( ) ( ) ( ) ( ) _____
   - 2.j. Shock: _____ ( ) ( ) ( ) ( ) _____
   - 2.k. Shielding: _____ ( ) ( ) ( ) ( ) _____
   - 2.l. Mounting: _____ ( ) ( ) ( ) ( ) _____
   - 2.m. GFE Ratings: _____ ( ) ( ) ( ) ( ) _____
   - 2.n. Outage Restrictions: _____ ( ) ( ) ( ) ( ) _____
   - 2.o. Optional Materials: _____ ( ) ( ) ( ) ( ) _____

3. Switches:
   - 3.a. Explosion proof: _____ ( ) ( ) ( ) ( ) _____
   - 3.b. Moisture proof: _____ ( ) ( ) ( ) ( ) _____

4. Special controls:
   - 4.a. Security: _____ ( ) ( ) ( ) ( ) _____
   - 4.b. Interlock: _____ ( ) ( ) ( ) ( ) _____

H. COMMUNICATIONS: **(CESAS-EN-DE)**

1. Fire Alarm: ( ) ( ) ( ) ( ) _____
   - 1.a. Type:
     - 1.a.1. Auto.: _____ ( ) ( ) ( ) ( ) _____
     - 1.a.2. Manual: _____ ( ) ( ) ( ) ( ) _____
     - 1.a.3. Sprinkler: _____ ( ) ( ) ( ) ( ) _____
   - 1.b. Match exists: _____ ( ) ( ) ( ) ( ) _____
   - 1.c. Canceled: _____ ( ) ( ) ( ) ( ) _____
   - 1.d. Exposed: _____ ( ) ( ) ( ) ( ) _____
   - 1.e. Temp: _____ ( ) ( ) ( ) ( ) _____
   - 1.f. Smoke: _____ ( ) ( ) ( ) ( ) _____
   - 1.g. Flame: _____ ( ) ( ) ( ) ( ) _____
   - 1.h. C02: _____ ( ) ( ) ( ) ( ) _____
   - 1.i. Foam: _____ ( ) ( ) ( ) ( ) _____
   - 1.j. HaIon: _____ ( ) ( ) ( ) ( ) _____
2. Intercom:
   - 2.a. Nurse call: _____ ( ) ( ) ( ) ( ) _____
   - 2.b. Dr. Paging: _____ ( ) ( ) ( ) ( ) _____
   - 2.c. PA: _____ ( ) ( ) ( ) ( ) _____
   - 2.d. Radio: _____ ( ) ( ) ( ) ( ) _____
   - 2.e. TV: _____ ( ) ( ) ( ) ( ) _____
   - 2.f. Phono: _____ ( ) ( ) ( ) ( ) _____
   - 2.g. Transcript: _____ ( ) ( ) ( ) ( ) _____
   - 2.h. Dict.: _____ ( ) ( ) ( ) ( ) _____
   - 2.i. Conduit only: _____ ( ) ( ) ( ) ( ) _____
   - 2.j. Complete: _____ ( ) ( ) ( ) ( ) _____

I. LIGHTNING PROTECTION: **(CESAS-EN-DE)**

_____
_____ ( ) ( ) ( ) ( ) _____

J. CATHODIC PROTECTION: **(CESAS-EN-DE)**

1. Existing: _____ ( ) ( ) ( ) ( ) _____
2. Soil Resistivity: _____ ( ) ( ) ( ) ( ) _____
3. Coverage: _____ ( ) ( ) ( ) ( ) _____

K. OUTSIDE ELECTRICAL: **(CESAS-EN-DE)**

1. Primary:
   - 1.a. O'hd: _____ ( ) ( ) ( ) ( ) _____
   - 1.b. Under.: _____ ( ) ( ) ( ) ( ) _____
   - 1.c. Direct lay: _____ ( ) ( ) ( ) ( ) _____
   - 1.d. DuctS.: _____ ( ) ( ) ( ) ( ) _____
   - 1.e. Manholes: _____ ( ) ( ) ( ) ( ) _____
   - 1.f. Grounding: _____ ( ) ( ) ( ) ( ) _____
   - 1.g. Shielding: _____ ( ) ( ) ( ) ( ) _____
   - 1.h. Characteristics: _____
     _____ ( ) ( ) ( ) ( ) _____
   - 1.i. Configuration: _____ ( ) ( ) ( ) ( ) _____
   - 1.j. Grounding: _____ ( ) ( ) ( ) ( ) _____
   - 1.h. Shielding: _____ ( ) ( ) ( ) ( ) _____
   - 1.i. Aluminum: _____ ( ) ( ) ( ) ( ) _____
   - 1.j. Copper: _____ ( ) ( ) ( ) ( ) _____
   - 1.k. Guying: _____ ( ) ( ) ( ) ( ) _____
   - 1.l. Relocate: _____ ( ) ( ) ( ) ( ) _____

_____

1.m. Phasing requirements: ( ) ( ) ( ) ( ) _____
_____

1.n. Optional Materials: ( ) ( ) ( ) ( ) _____
_____

2. Substation:
2.a. Mounting:
2.a.1 Pole: _____ ( ) ( ) ( ) ( ) _____
2.a.2. Pad: _____ ( ) ( ) ( ) ( ) _____
2.a.3. Transclosure: _____ ( ) ( ) ( ) ( ) _____
2.b. Voltage: _____ ( ) ( ) ( ) ( ) _____
2.c. Integrater: _____ ( ) ( ) ( ) ( ) _____
2.d. Grounding: _____ ( ) ( ) ( ) ( ) _____
2.e. Grading: _____ ( ) ( ) ( ) ( ) _____
2.f. Fencing: _____ ( ) ( ) ( ) ( ) _____
2.g. Signs: _____ ( ) ( ) ( ) ( ) _____
2.h. Other: _____ ( ) ( ) ( ) ( ) _____
_____

2.i. Phasing requirements: ____ ( ) ( ) ( ) ( ) _____
_____

2.j. Optional materials: _____ ( ) ( ) ( ) ( ) _____
_____

3. Secondary:
3.a. Size: _____ ( ) ( ) ( ) ( ) _____
3.b. Voltage: _____ ( ) ( ) ( ) ( ) _____
3.c. Voltage drop: _____ ( ) ( ) ( ) ( ) _____
3.d. Clearance: _____ ( ) ( ) ( ) ( ) _____
3.e. Insulators: _____ ( ) ( ) ( ) ( ) _____
3.f. Service drops: _____ ( ) ( ) ( ) ( ) _____
3.g. Type duct (und.): _____ ( ) ( ) ( ) ( ) _____
3.h. Stub-outs: _____ ( ) ( ) ( ) ( ) _____
3.i. Phasing reqs.: _____ ( ) ( ) ( ) ( ) _____
_____

3.j. Optional materials: _____ ( ) ( ) ( ) ( ) _____
_____

4. Street Lighting:
4.a. Pole:
4.a.1 Length: _____ ( ) ( ) ( ) ( ) _____
4.a.2. Class: _____ ( ) ( ) ( ) ( ) _____
4.a.3. Length mast: _____ ( ) ( ) ( ) ( ) _____
4.b. Mounting Ht.: _____ ( ) ( ) ( ) ( ) _____
4.c. Loc. of CCT on poles: _____ ( ) ( ) ( ) ( ) _____
4.d. Cable rating: _____ ( ) ( ) ( ) ( ) _____
4.e. Series: _____ ( ) ( ) ( ) ( ) _____
4.f. Lamp ratings: _____ ( ) ( ) ( ) ( ) _____
4.g. Transformation: _____ ( ) ( ) ( ) ( ) _____
4.h. Regulation: _____ ( ) ( ) ( ) ( ) _____
4.i. Light pattern: _____ ( ) ( ) ( ) ( ) _____
4.j. Control: _____ ( ) ( ) ( ) ( ) _____
4.k. Phasing reqs: _____
_____ ( ) ( ) ( ) ( ) _____

4.l. Optional materials: _____
_____ ( ) ( ) ( ) ( ) _____

5. Fence lighting:
5.a. Purpose:

5.a.1. In: _____ ( ) ( ) ( ) ( ) _____
5.a.2. Out: _____ ( ) ( ) ( ) ( ) _____
5.b. Security:
5.b.1. OH: _____ ( ) ( ) ( ) ( ) _____
5.b.2. UG: _____ ( ) ( ) ( ) ( ) _____
5.c. Circuitry: _____ ( ) ( ) ( ) ( ) _____
5.d. Fixture type: _____ ( ) ( ) ( ) ( ) _____
5.e. Control: _____ ( ) ( ) ( ) ( ) _____
5.f. Interference: _____ ( ) ( ) ( ) ( ) _____
6. Parking area lighting:
6.a. Pole protection: _____ ( ) ( ) ( ) ( ) _____
_____
6.b. Shielding from building: ___ ( ) ( ) ( ) ( ) _____
_____
6.c. Phasing: _____ ( ) ( ) ( ) ( ) _____
_____

K. WATER: **(CESAS-EN-DM)**
1. Demand:
1.a. Domestic: _____ ( ) ( ) ( ) ( ) _____
1.b. Industrial: _____ ( ) ( ) ( ) ( ) _____
1.c. Fire: _____ ( ) ( ) ( ) ( ) _____
2. Storage: _____ ( ) ( ) ( ) ( ) _____
3. Treatment: _____ ( ) ( ) ( ) ( ) _____
4. Outage restrictions: _____ ( ) ( ) ( ) ( ) _____
_____
5. Optional materials: _____ ( ) ( ) ( ) ( ) _____
_____
6. Phasing requirements: _____ ( ) ( ) ( ) ( ) _____
_____

M. SEWAGE & IND. WASTE: **(CESAS-EN-DM)**
1. Collection: _____ ( ) ( ) ( ) ( ) _____
_____
2. Treatment: _____ ( ) ( ) ( ) ( ) _____
_____
3. Disposal: _____ ( ) ( ) ( ) ( ) _____
_____
4. Outage Restrictions: _____ ( ) ( ) ( ) ( ) _____
_____
5. Optional Materials: _____ ( ) ( ) ( ) ( ) _____
_____
6. Phasing Requirements: _____ ( ) ( ) ( ) ( ) _____
_____

N. AGRONOMY: **(CESAS-EN-DG)**
1. Erosion Control: _____ ( ) ( ) ( ) ( ) _____
2. Shrubs: _____ ( ) ( ) ( ) ( ) _____
3. Grassing:
3.a. Seeding: _____ ( ) ( ) ( ) ( ) _____
3.b. Spot sod: _____ ( ) ( ) ( ) ( ) _____
3.c. Solid soil: _____ ( ) ( ) ( ) ( ) _____
4. Sprinklers: _____
_____ ( ) ( ) ( ) ( ) _____

O. WALKS: **(CESAS-EN-DG)**

1. Type: _____ ( ) ( ) ( ) ( ) _____
2. Width: _____ ( ) ( ) ( ) ( ) _____

P. ROADS & DRIVES: **(CESAS-EN-DG)**

1. Loading: _____ ( ) ( ) ( ) ( ) _____
2. Class: _____ ( ) ( ) ( ) ( ) _____
3. Width: _____ ( ) ( ) ( ) ( ) _____
4. Radii: _____ ( ) ( ) ( ) ( ) _____
5. Limit: _____ ( ) ( ) ( ) ( ) _____
6. Curbs: _____ ( ) ( ) ( ) ( ) _____
7. Gutters: _____ ( ) ( ) ( ) ( ) _____
8. Surface: _____ ( ) ( ) ( ) ( ) _____
9. Traffic Control: _____ ( ) ( ) ( ) ( ) _____
10. Temp. by pass req.: _____ ( ) ( ) ( ) ( ) _____
11. Phasing: _____ ( ) ( ) ( ) ( ) _____
12. Optional Materials: _____ ( ) ( ) ( ) ( ) _____

Q. PARKING AREA: **(CESAS-EN-DG)**

1. Size: _____ ( ) ( ) ( ) ( ) _____
2. Surface: _____ ( ) ( ) ( ) ( ) _____
3. Location: _____ ( ) ( ) ( ) ( ) _____
4. Access: _____ ( ) ( ) ( ) ( ) _____
5. Load: _____ ( ) ( ) ( ) ( ) _____
6. Angle: _____ ( ) ( ) ( ) ( ) _____

R. GRADING & DRAINAGE: **(CESAS-EN-DG)**

_____
_____
_____ ( ) ( ) ( ) ( ) _____

S. FENCING: **(CESAS-EN-DG)**

_____
_____
_____ ( ) ( ) ( ) ( ) _____

T. AIRFIELD PAVING: **(CESAS-EN-DG)**

1. Type: _____ ( ) ( ) ( ) ( ) _____
2. Alternate: _____ ( ) ( ) ( ) ( ) _____
3. Loading: _____ ( ) ( ) ( ) ( ) _____
4. Grade limitation: _____ ( ) ( ) ( ) ( ) _____
5. Overrun: _____ ( ) ( ) ( ) ( ) _____
6. Clearance: _____ ( ) ( ) ( ) ( ) _____
7. Blast pads: _____ ( ) ( ) ( ) ( ) _____
8. Blast deflectors: _____ ( ) ( ) ( ) ( ) _____
9. Warm-up pad: _____ ( ) ( ) ( ) ( ) _____
10. Shoulders: _____ ( ) ( ) ( ) ( ) _____
11. Painting, marking: _____ ( ) ( ) ( ) ( ) _____
12. Relocation's: _____ ( ) ( ) ( ) ( ) _____
13. Fencing: _____ ( ) ( ) ( ) ( ) _____
14. Hazard removal: _____ ( ) ( ) ( ) ( ) _____
15. Real estate: _____ ( ) ( ) ( ) ( ) _____
16. Anchors: _____ ( ) ( ) ( ) ( ) _____
17. Phones: _____ ( ) ( ) ( ) ( ) _____

18. Hydrants: _____ ( ) ( ) ( ) ( ) _____
19. Dust & erosion control: _____ ( ) ( ) ( ) ( ) _____
20. Overrun barriers: _____ ( ) ( ) ( ) ( ) _____
21. Lighting: _____ ( ) ( ) ( ) ( ) _____
22. Power: _____ ( ) ( ) ( ) ( ) _____
23. Navaids: _____ ( ) ( ) ( ) ( ) _____
24. Hydra Refuel: _____ ( ) ( ) ( ) ( ) _____
25. Special Criteria: _____ ( ) ( ) ( ) ( ) _____
26. Waivers: _____ ( ) ( ) ( ) ( ) _____
27. Construction Phasing: _____ ( ) ( ) ( ) ( ) _____

_____

U. SPOIL & BORROW AREA: **(CESAS-EN-DG)**

_____
_____
_____
_____ ( ) ( ) ( ) ( ) _____

V. DRAWINGS/SUBMITTALS: **(CESAS-EN-EP)**

1. Comply with Design Mn.: ___ ( ) ( ) ( ) ( ) _____
2. Drawings Legible: _____ ( ) ( ) ( ) ( ) _____
3. Reproducible Quality: _____ ( ) ( ) ( ) ( ) _____

W. ENVIRONMENTAL ISSUES: **(CESAS-PM-H)**

1. HTRW Concerns: ____ ( ) ( ) ( ) ( ) _____
2. Air/Water/Noise Pollution & Abatement:_____ ( ) ( ) ( ) ( ) _____
3. Other Environmental Impacts to Include Wetlands:_____ ( ) ( ) ( ) ( ) _____

X. SPECIAL REQUIREMENTS: **(CESAS-EP)**

1. Studies & Investigations: ____ ( ) ( ) ( ) ( ) _____

_____

2. Specintact Training for AE ____

3. MCASES Training f/AE: ____

4. Utility Tie-ins: _____ ( ) ( ) ( ) ( ) _____

_____

5. Expansion Consideration: ___ ( ) ( ) ( ) ( ) _____

_____

6. GFE:
   - 6.a. List: _____ ( ) ( ) ( ) ( ) _____
   - 6.b. Responsibility: _____ ( ) ( ) ( ) ( ) _____
   - 6.c. Availability: _____ ( ) ( ) ( ) ( ) _____
7. Additive Item Priority: _____ ( ) ( ) ( ) ( ) _____
8. Special Use Criteria: _____ ( ) ( ) ( ) ( ) _____
9. Source: _____ ( ) ( ) ( ) ( ) _____
10. Special App./Concurrence: __

_____ ( ) ( ) ( ) ( ) _____

11. Operating Manuals: _____ ( ) ( ) ( ) ( ) _____
12. Oper Training: _____ ( ) ( ) ( ) ( ) _____

13. Utilities Service Contracts: ___ ( ) ( ) ( ) ( ) _____

_____ ( ) ( ) ( ) ( ) _____

14. Cost Limitations: _____
15. Est. Cost vs. Program Amounts: ( ) ( ) ( ) ( ) _____
_____
16. Real Estate:
16.a. Acquisition: _____ ( ) ( ) ( ) ( ) _____
16.b. Entry: _____ ( ) ( ) ( ) ( ) _____
16.c. Permits: _____ ( ) ( ) ( ) ( ) _____
17. Utility Service Outages: _____ ( ) ( ) ( ) ( ) _____
_____
18. Project Office Space: _____ ( ) ( ) ( ) ( ) _____
_____
19. Construction Phasing: _____ ( ) ( ) ( ) ( ) _____
_____
19. Security Clearance
for Personnel: _____ ( ) ( ) ( ) ( ) _____
_____
20. Avail Utilities for Construction: ( ) ( ) ( ) ( ) _____
_____
21. Justification for Short
Construction Period: _____ ( ) ( ) ( ) ( ) _____
_____
_____
22. Justification for
Restrictive Items: _____ ( ) ( ) ( ) ( ) _____
_____
23. Solicitation Advertisement Method
23a. EBS on CD only/paper for field ( ) _____
23b. EBS CD and Internet / Paper for field ( ) _____

24. Other: _____ ( ) ( ) ( ) ( ) _____
_____
_____
_____

The undersigned agree that this document represent the agreements reached and the understanding of the scope at the indicated stage. Conditions or requirements may change due to circumstances beyond the control of this parties.

ATTENDANTS: Name Office Symbol/Org Tel No./Fax No. E-Mail Address
Project Manager: _____
Technical Manager: _____
Installation DPW/BCE: _____
MAJCOM: _____
Area/Resident Engineer: _____
Designer (A-E): _____
Others: Name Office Symbol/Org Tel No./Fax No. E-Mail Address
_____

EXHIBIT 4

PAYMENT ESTIMATE
CONTRACT PERFORMANCE
(ENG FORM 93)

ENG FORM 93

1. Submit original and 1 signed copy.
2. Be sure to include the following statement on each request for payment:
"I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED."
3. Send ENG Form 93 to the following address:
Commander, U.S. Army Engineer District, Savannah, ATTN: (Appropriate Project Manager), P.O. Box 889, Savannah, GA 31402

SAMPLE

PAYMENT ESTIMATE – CONTRACT PERFORMANCE

For use of this form, see ER 37-2-10 and ER 37-345-10.

1. DATE: 10 July 1987

SHEET 1 of 1

2. CONTRACTOR AND ADDRESS: Smith, Brown and Jones Inc. 200 East St Julian Street, Savannah, Georgia 31401

3. CONTRACT NO.: DACA21-83-C-0200

4. DISTRICT: Savannah

5. DESCRIPTION OF WORK: Architect-Engineer Services (or Engineering Svs)

6. APPROPRIATION AND PROJECT: Cy Appropriation # from contract

7. REQUIRED COMPLETION DATE: N/A

8. LOCATION: Fort State

9. PERIOD COVERED BY THIS ESTIMATE: FROM THRU

10. JOB ORDER NO.: N/A

11. ESTIMATE NO.: Start w/1"

ITEM NO. a	DESCRIPTION b	CONTRACT QUANTITY AND UNIT c	CONTRACT UNIT PRICE d	CONTRACT AMOUNT e	TOTAL TO DATE QUANTITY AND UNIT f	TOTAL TO DATE AMOUNT g
	Design of (Name of project as shown on the contract)			(Copy from contract)	(Percentage of completion)	(Cumulative Earnings)
	Phase I, Concept Design	-	LS		%	
	Phase II, (Option), Final Dsg	-	LS		%	
	Modification No. P00001	-	LS		%	
	I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED					

INCLUDES MODIFICATION THRU:

TOTAL CONTRACT → $

TOTAL EARNINGS TO DATE → $

12. PRESENTED FOR PAYMENT

PAYEE: (Type name of Firm as shownon contract)

PER: (signature of official)

DATE:

TITLE: (Title of official Signing)

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed; that the quantities are correct and consistent with all previous computations as actually checked; that the quantities and amounts are wholly consistent with the requirements of the contract or other instrument involved.

SIGNATURE: THIS SPACE RESERVED FOR SAVANNAH DISTRICT APPROVALS AND SIGNATURES

TITLE:

DATE:

CONTRACTING OFFICER APPROVAL (Signature)

DATE:

14.	
A. PREVIOUS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE**	0
B. PREVIOUS RETAINED PERCENTAGE	
C. PREVIOUS PAYMENTS	
D. PREVIOUS EARNINGS (A+B+C)	
E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D)	
F. LESS RETAINED PERCENTAGE	
G. LESS DEDUCTION OTHER THAN RETAINED PERCENTAGE FOR	0
H. TOTAL DEDUCTIONS THIS PERIOD (F+G)	
I. RETAINAGE REFUNDED	
J. OTHER REFUNDS	0
K. TOTAL REFUNDS THIS PERIOD	
L. AMOUNT DUE CONTRACTOR (E-H+K)	

15. RECAPITULATION:

TOTAL RETAINED PCTG. (B+F-I) $.

TOTAL PAID (C+L) $

ENG FORM 1 MAR 78 93

PREVIOUS EDITION OF THIS FORM IS OBSOLETE

**USE REVERSE SIDE FOR DETAILED EXPLANATION AND/OR REMARKS

PAYMENT ESTIMATE – CONTRACT PERFORMANCE

For use of this form, see ER 37-2-10 and ER 37-345-10.

SAMPLE

2. CONTRACTOR AND ADDRESS Smith, Brown and Jones, Inc. 201 East St. Julian Street, Savannah, Ga 31401	3. CONTRACT NO. DACA21-83-C-0200	4. DISTRICT Savannah	5. DATE 10 July 1987
6. DESCRIPTION OF WORK Architect-Engineer Services	8. APPROPRIATION AND PROJECT 2192050 908-9223 P6300, 2000-2670	9. REQUIRED COMPLETION DATE 509133	6. SHEET 1 of 1
8. LOCATION Fort Banning, GA	9. PERIOD COVERED BY THIS ESTIMATE FROM 1 May 87 THRU 30 Jun 87	10. JOB ORDER NO. N/A	11. ESTIMATE NO. 1

ITEM NO. a	DESCRIPTION b	CONTRACT QUANTITY AND UNIT c	CONTRACT UNIT PRICE d	CONTRACT AMOUNT e	TOTAL TO DATE QUANTITY AND UNIT f	TOTAL TO DATE AMOUNT g
	Design of Military Operations in Built-up Areas					
	Phase I, Concept Design	-	LS	25,250.00	75%	18,938.00
	Phase II (Option), Final Design	-	LS	55,000.00	0%	0

I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED

INCLUDES MODIFICATION THRU:

12. PRESENTED FOR PAYMENT	TOTAL CONTRACT →	$ 80,250.00
PAYEE: Smith, Brown and Jones Inc.	14. a. PREVIOUS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE**	0
PER	B. PREVIOUS RETAINED PERCENTAGE	0
	C. PREVIOUS PAYMENTS	0
DATE: 10 July 1987	TITLE: Vice-President	
10. APPROVED FOR PAYMENT	D. PREVIOUS EARNINGS (A+B+C)	0
	E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D)	18,938.00
	F. LESS RETAINED PERCENTAGE 10% *	1,894.00
	G. LESS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE FOR	0
	H. TOTAL DEDUCTIONS THIS PERIOD (F+G)	1,894.00
SIGNATURE / TITLE / DATE	I. RETAINAGE REFUNDED	0
	J. OTHER REFUNDS	
	K. TOTAL REFUNDS THIS PERIOD	0
	L. AMOUNT DUE CONTRACTOR (E-K+L)	17,044.00
CONTRACTING OFFICER APPROVAL (Signature) / DATE	15. RECAPITULATION:	
	TOTAL RETAINED PCTS. (B+F-H) $	TOTAL PAID (C+L) $

ENG FORM 93, 1 MAR 70 — PREVIOUS EDITION OF THIS FORM IS OBSOLETE

**USE REVERSE SIDE FOR DETAILED EXPLANATION AND OR REMARKS

TYPICAL SAMPLE - CONCEPT DESIGN COMPLETE BUT NOT REVIEWED

NOTE: Use this example with the concept or preliminary design submittal. No more than 75% less 10% retainage for small business or 20% for large busine will be paid until project is reviewed and accepted. Use this payment estimate example if immediate payment is desired prior to review approval and acceptance.

* - 10% Small Business or 20% Large Business

PAYMENT ESTIMATE – CONTRACT PERFORMANCE

SAMPLE

1. DATE: 10 July 1987

SHEET 1 of 1

2. CONTRACTOR: Smith, Brown & Jones Inc. 200 East St. Julian Street, Savannah, GA 31401

3. CONTRACT NO.: DACA21-83-C-0200

4. DISTRICT: Savannah

5. DESCRIPTION OF WORK: Architect-Engineer Services

6. PERIOD COVERED BY THIS ESTIMATE: FROM 1 May 87 THRU 30 Jun 87

7. REQUISITION OR SERVICE NO.: N/A

8. CONTRACT NO.: N/A

9. LOCATION: Fort Benning, GA

10. TASK ORDER NO.: 2

ITEM NO.	DESCRIPTION	QUANTITY THIS PERIOD	UNIT PRICE	AMOUNT THIS PERIOD	QUANTITY TO DATE	UNIT PRICE	AMOUNT TO DATE
1	Design of Military Operations in Built-up Areas						
	Phase I, Concept Design	1	LS	25,250.00	100%		25,250.00
	Phase II (Option), Final Design	1	LS	55,000.00	0%		0

I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED

INCLUDES MODIFICATION THRU:

NOTE: CONTINUED ON REVERSE SIDE

	1. ORIGINAL CONTRACT	$ 80,250.00
	2. REVISED CONTRACT (OTHER THAN RETAINED PERCENTAGE)	
	3. TO DATE	$ 25,250.00
11. A. REVISED CONTRACT (OTHER THAN RETAINED PERCENTAGE)		
B. PREVIOUS RETAINED PERCENTAGES		1,894.00
C. PREVIOUS PAYMENTS		17,044.00
D. PREVIOUS EARNINGS (A+B+C)		18,938.00
E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D)		6,312.00
F. LESS RETAINED PERCENTAGE 10%		631.00
G. LESS DEDUCTION OTHER THAN RETAINED PERCENTAGE FOR		0
H. TOTAL DEDUCTIONS THIS PERIOD (F+G)		631.00
I. RETAINAGE REFUNDED		0
J. OTHER REFUNDS		
K. TOTAL REFUNDS THIS PERIOD		0
L. AMOUNT DUE CONTRACTOR (E-H+K)		5,681.00
12. RECAPITULATION:		
TOTAL RETAINED PERCENTAGE ($2,525.00)	TOTAL PAID TO DATE	22,725.00

PAYEE: Smith, Brown and Jones, Inc.

DATE: 10 July 1987

TITLE: Vice-President

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed that the quantities are correct; that the conditions will of the contract; that the amounts are wholly consistent with the requirements of the contract or other instrument involved.

SIGNATURE: TITLE: DATE:

CONTRACTING OFFICER APPROVAL (SIGNATURE): DATE:

ENG FORM 93 1 MAR 78 PREVIOUS EDITION OF THIS FORM IS OBSOLETE

TYPICAL SAMPLE – RETAINAGE RELEASE FOR CONCEPT DESIGN

NOTE: Use this example when the preliminary or concept design has been submitted, reviewed, and accepted with corrections to be made during the final design. (Retainage will be refunded only after NTP has been issued on Phase # or corrections have been made to the concept design documents.)

This pay estimate No. 2 may be submitted as early as pay estimate No. 1 however, will not be processed until submittal has been reviewed, approved, and accepted. This will require approximately 30 days.

TYPICAL SAMPLE - PARTIAL PAYMENT OF FINAL DESIGN

NOTE: Use this example for partial payment of final design. No more than 75% will be paid on progress to date on final design less 10% or 20% retainage. Progress to date in this case will be 60% (75% x 60% = 45%)

* - 10% Small Business or 20% Large Business

SAMPLE

PAYMENT ESTIMATE - CONTRACT PERFORMANCE

For use of this form, see ER 37-2-10 and ER 37-345-10.

1. DATE: 30 July 1987 — SHEET 1 of 1

2. CONTRACTOR AND ADDRESS: Smith, Brown, and Jones, Inc. 200 East St. Julian Street, Savannah, GA 31401

3. CONTRACT NO.: DACA21-83-C-0200

4. DISTRICT: Savannah

5. DESCRIPTION OF WORK: Architect-Engineer Services

6. APPROPRIATION AND PROJECT: 2192050 90B-9223 P6300.2000-2870

7. REQUIRED COMPLETION DATE: 509133 N/A

8. LOCATION: Fort Benning, Georgia

9. PERIOD COVERED BY THIS ESTIMATE: FROM 1 May 87 THRU 30 Jun 87

10. JOB ORDER NO.: N/A

11. ESTIMATE NO.: 3

ITEM NO. a	DESCRIPTION b	CONTRACT QUANTITY AND UNIT c	CONTRACT UNIT PRICE d	CONTRACT AMOUNT e	TOTAL TO DATE QUANTITY AND UNIT f	TOTAL TO DATE AMOUNT g
	Design of Military Operations in Built-up Areas					
	Phase I, Concept Design	-	LS	25,250.00	100%	25,250.00
	Phase II, (Option), Final Design	-	LS	55,000.00	45%	24,750.00
	I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED.					
			TOTAL CONTRACT →	$80,250.00	TOTAL EARNINGS TO DATE →	$ 50,000.00

INCLUDES MODIFICATION THRU:

12. PRESENTED FOR PAYMENT

PAYEE: Smith, Brown and Jones, Inc. — PER

DATE — TITLE: Vice-President

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed; that the quantities are correct and consistent with all previous computations as actually checked; that the quantities and amounts are wholly consistent with the requirements of the contract or other instrument involved.

SIGNATURE — TITLE — DATE

CONTRACTING OFFICER APPROVAL (Signature) — DATE

14.		
A. PREVIOUS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE**	0	
B. PREVIOUS RETAINED PERCENTAGE	2,525.00	
C. PREVIOUS PAYMENTS	22,725.00	
D. PREVIOUS EARNINGS (A+B+C)		25,250.00
E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D) 100%		24,750.00
F. LESS RETAINED PERCENTAGE	2,475.00	
G. LESS DEDUCTION OTHER THAN RETAINED PERCENTAGE FOR	0	
H. TOTAL DEDUCTIONS THIS PERIOD (F+G)		2,475.00
I. RETAINAGE REFUNDED	2,525.00	
J. OTHER REFUNDS	0	
K. TOTAL REFUNDS THIS PERIOD		2,525.00
L. AMOUNT DUE CONTRACTOR (E-H+K)		24,800.00

15. RECAPITULATION:

TOTAL RETAINED PCTG. (B+F-I) $ 2,475.00 TOTAL PAID (D+L) $ 47,525.00

ENG FORM 1 MAR 78 90 — PREVIOUS EDITION OF THIS FORM IS OBSOLETE — **USE REVERSE SIDE FOR DETAILED EXPLANATION AND OR REMARKS

PAYMENT ESTIMATE - CONTRACT PERFORMANCE

For use of this form, see AR 37-2-10 and ER 37-345-10.

SAMPLE

1. DATE: 10 July 1987 — SHEET 1 of 1

2. CONTRACTOR AND ADDRESS: Smith, Brown and Jones Inc. 200 Gist St., Julian Street, Savannah, Georgia 31401

3. CONTRACT NO.: DACA21-83-C-0300

4. DISTRICT: Savannah

5. DESCRIPTION OF WORK: Architect-Engineer Services

6. APPROPRIATION AND PROJECT: 2192030 506-9223 P6300.2000-2570

7. REQUIRED COMPLETION DATE: 509133 N/A

8. LOCATION: Fort Benning, Georgia

9. PERIOD COVERED BY THIS ESTIMATE: FROM 1 May 87 THRU 30 Jun 87

10. JOB ORDER NO.: N/A

11. ESTIMATE NO.: 4

ITEM NO.	DESCRIPTION	CONTRACT QUANTITY AND UNIT	CONTRACT UNIT PRICE	CONTRACT AMOUNT	TOTAL TO DATE QUANTITY AND UNIT	TOTAL TO DATE AMOUNT
	Design of Military Operation in Built-up Areas					
	Phase I, Concept Design	-	LS	25,250.00	100%	25,250.00
	Phase II (Option), Final Design	-	LS	55,000.00	75%	41,250.00

I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED

INCLUDES MODIFICATION THRU:

TOTAL CONTRACT → $ 80,250.00

TOTAL EARNINGS TO DATE → $ 66,500.00

12. PRESENTED FOR PAYMENT

PAYEE	PER
Smith, Brown and Jones, Inc.	

DATE	TITLE
10 July 1987	Vice-President

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed; that the quantities are correct and consistent with all provided documentation as actually checked; that the quantities and amounts are wholly consistent with the requirements of the contract or other instrument involved.

SIGNATURE	TITLE	DATE

CONTRACTING OFFICER APPROVAL (Signature) — DATE

14. A. PREVIOUS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE**

B. PREVIOUS RETAINED PERCENTAGE — 2,475.00

C. PREVIOUS PAYMENTS — 47,525.00

D. PREVIOUS EARNINGS (A+B+C) — 50,000.00

E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D) — 10% — 16,500.00

F. LESS RETAINED PERCENTAGE — 1,650.00

G. LESS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE FOR — 0

H. TOTAL DEDUCTIONS THIS PERIOD (F+G) — 1,650.00

I. RETAINAGE REFUNDED — 0

J. OTHER REFUNDS — 0

K. TOTAL REFUNDS THIS PERIOD — 0

L. AMOUNT DUE CONTRACTOR (E-H+K) — 14,850.00

15. RECAPITULATION

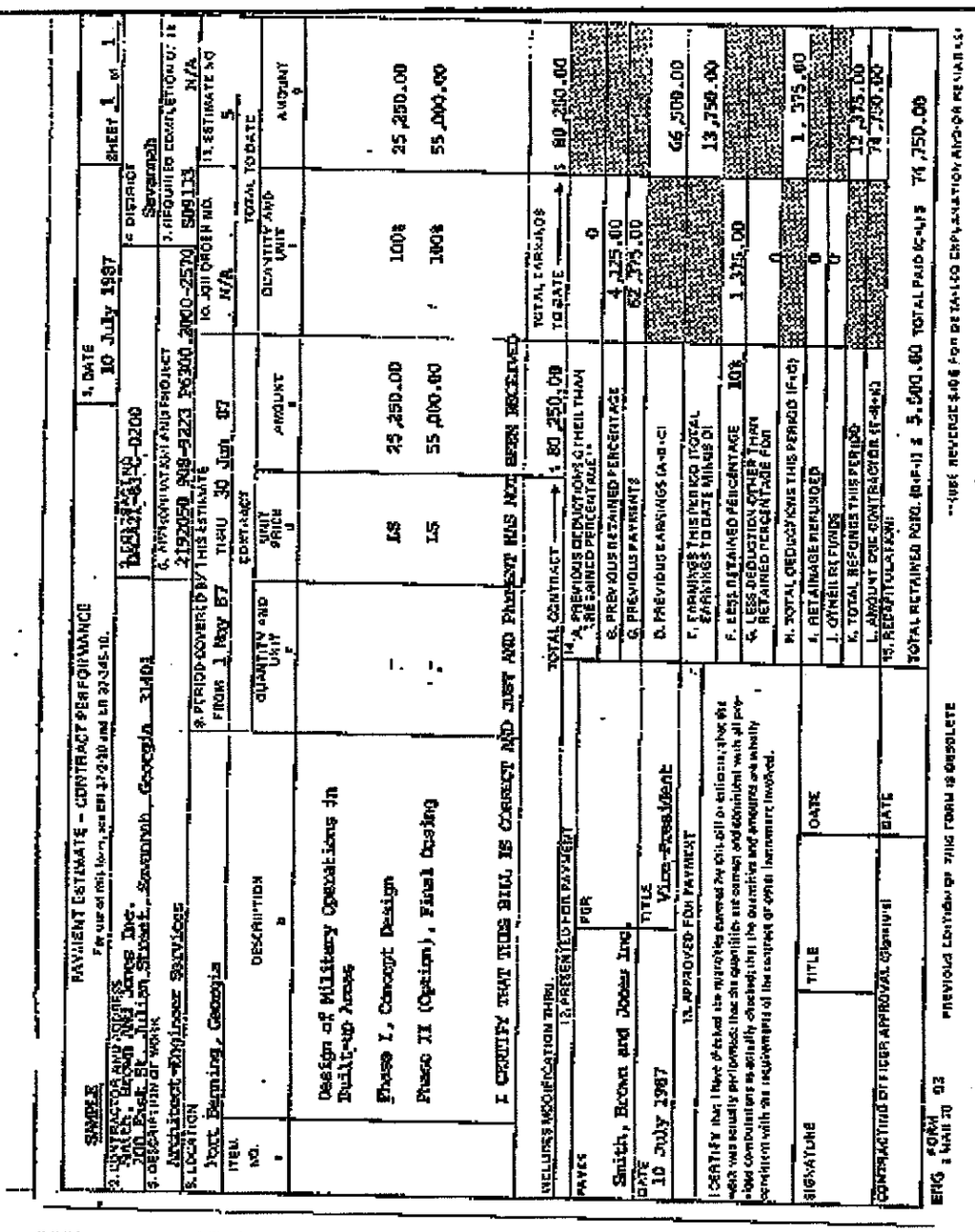
TOTAL RETAINED PCTG. (B+F+G) $4,125.00 TOTAL PAID (C+L) $ 62,375.00

ENG FORM 1 MAR 78 99 — PREVIOUS EDITION OF THIS FORM IS OBSOLETE — *PRICE REVERSE SIDE FOR RETAINED EXPLANATION AND OR ALLOWANCE

TYPICAL SAMPLE - FINAL DESIGN COMPLETE BUT NOT REVIEWED

NOTE: Use this example with submittal of unreviewed final submittal. No more than 75% less 10% retainage for Small Business or 20% for Large Business will be paid until project is reviewed and accepted.

10% Small Business or 20% Large Business



SAMPLE

PAYMENT ESTIMATE – CONTRACT PERFORMANCE

1. DATE 10 July 1987 — SHEET 1 of 1

2. CONTRACTOR AND ADDRESS: Smith, Brown and Jones Inc. 200 East Bl. William Street, Savannah, Georgia 31401

3. DESCRIPTION OF WORK: Architect-Engineer Services

4. CONTRACT NO. DACW21-87-C-0200

5. CONTRACTOR'S ORDER NO. 21320050 909-9223 P6300 2000-2570

6. REQUISITION CONTROL NO. 509113

7. ESTIMATE NO. 5

8. LOCATION: Fort Benning, Georgia

9. PERIOD COVERED BY THIS ESTIMATE: FROM 1 May 87 THRU 30 Jun 87

10. CONTRACT NO. N/A

11. CONTRACT PRICE: N/A

ITEM NO. a	DESCRIPTION b	QUANTITY AND UNIT c	UNIT PRICE d	AMOUNT e	QUANTITY AND UNIT f	AMOUNT g
	Design of Military Operations in Built-up Areas					
	Phase I, Concept Design	-	15	25,250.00	100%	25,250.00
	Phase II (Option), Final Design	-	15	55,000.00	100%	55,000.00

I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED

WILLINGLY MODIFICATION THRU

12. PRESENTED FOR PAYMENT: Smith, Brown and Jones Inc.

PAYEE — FOR

DATE 10 July 1987 — TITLE Vice-President

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the materials covered by this bill or estimate, that the work was actually performed, that the quantities are correct and additional with all payroll computations as actually checked, that the quantities and amounts are actually correct with the requirements of the contract or order involved.

SIGNATURE — TITLE — DATE

CONTRACTING OFFICER APPROVAL (Signature) — DATE

TOTAL CONTRACT	
14. PREVIOUS DEDUCTIONS (OTHER THAN RETAINED PERCENTAGE)	TOTAL EARNINGS TO DATE
1. PREVIOUS EARNINGS	80,250.00
2. PREVIOUS RETAINED PERCENTAGE	0
3. PREVIOUS PAYMENTS	4,225.00
4. PREVIOUS EARNINGS (A-B+C)	62,775.00
5. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D)	65,500.00
6. LESS RETAINED PERCENTAGE	13,750.00
7. LESS DEDUCTION OTHER THAN RETAINED PERCENTAGE FOR	1,375.00
8. TOTAL DEDUCTIONS THIS PERIOD (F+G)	0
9. RETAINAGE WITHHELD	1,375.00
10. OTHER RETENTIONS	0
11. TOTAL RECEIVED THIS PERIOD	0
12. AMOUNT DUE CONTRACTOR (E-H+J)	12,375.00
13. REDEMPTION FROM	74,750.00
TOTAL RETAINED PERC. (B+F-I) = 5,500.00	TOTAL PAID TO DATE 74,750.00

--USE REVERSE SIDE FOR DETAILED EXPLANATION AND/OR REMARKS

ENG FORM 93 — PREVIOUS EDITION OF THIS FORM IS OBSOLETE

REDUCED TO 10% AFTER FINAL REVIEW IS COMPLETE AND SATISFACTORY

NOTE: Use this example if payment is desired after final design has been reviewed, approved, and accepted subject to comments and corrections to be made.

* – 10% for Small Business - 20% for Large Business

This pay estimate No. 5 may be submitted as early as pay estimate No. 4 but will not be processed for payment until final design has been reviewed and accepted. This will require approximately 30 days.

SAMPLE

PAYMENT ESTIMATE – CONTRACT PERFORMANCE

For use of this form, see ER 37-1-30 and ER 37-2-10.

1. CONTRACTOR: Smith, Brown and Jones Inc.
200 Bay St., Savannah, GA 31401
2. DESCRIPTION of work: Architect-Engineer Services
3. CONTRACT NO.: DACA21-81-C-0200
4. CONTRACTOR'S PROJECT NO.: 2192050 908 R&D8.2000-2570
5. DATE: 30 July 1987
6. DISTRICT: Savannah
7. CONTRACTOR'S ESTIMATE NO.: N/A
8. SHEET 1 of 1
9. PERIOD COVERED BY THIS ESTIMATE: From 1 May 87 Thru 30 Jun 87
10. CONTRACTOR'S ESTIMATE NO.: 6
11. LOCATION: Fort Benning, GA

ITEM NO. a	DESCRIPTION b	QUANTITY UNIT c	AMOUNT d	QUANTITY UNIT e	AMOUNT f
3	Design of Military Operation in Built-up Areas				
	Phase I, Concept Design	-	15	25,250.00	100%	25,250.00
	Phase II (Option), Final Design	-	55	55,000.00	100%	55,000.00

I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED

INCLUDES MODIFICATION THRU:

TOTAL CONTRACT TO DATE $ 80,250.00

14. PREPARED FOR PAYMENT BY: PSA

A. PREVIOUS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE: 0

B. PREVIOUS 4-RETAINED PERCENTAGE: 5,500.00

C. PREVIOUS PAYMENTS: 74,750.00

D. PREVIOUS EARN-4,75 (A-B-C): 80,250.00

E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D): 0

F. LESS RETAINED PERCENTAGE: 0

G. LESS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE FOR: 0

H. TOTAL DEDUCTIONS THIS PERIOD (F+G): 0

I. RETAINAGE REFUNDED: 5,400.00

J. OTHER REFUNDS: 0

K. TOTAL REFUND THIS PERIOD: 5,400.00

L. AMOUNT DUE CONTRACTOR (E-H+K): 5,400.00

TOTAL RETAINED PCTG. (B+F-K = 100.00) TOTAL PAID TO-DATE

*THIS REVENUE BIDS FOR $ FAILED EXPLANATION AND ON REVERSE

PAYEE: Smith, Brown and Jones, Inc.

DATE: 30 July 1987

TITLE: VICE-President

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the quantities covered by this bill or estimate against the work actually performed and the quantities are correct and in conformity with the contract. I have computed the amount payable and it is correct. I have not made any payment or waiver of co-signed part the equivalents of other preliminary invoices).

SIGNATURE | TITLE | DATE

CONTRACTING OFFICER APPROVAL: Regional | DATE

ENG FORM 1 MAR 78 (X) PREVIOUS EDITION OF THIS FORM IS OBSOLETE

TYPICAL SAMPLE - RETAINAGE RELEASED FOR CONCEPT DESIGN

NOTE: Use this example for payment after all design is complete and no corrections required.

* $100.00 retainage is required to keep the contract open

TYPICAL SAMPLE - RETAINAGE RELEASED

NOTE: Use this example for payment of retainage to pay design in full, normally at 100% of construction

SAMPLE

PAYMENT ESTIMATE – CONTRACT PERFORMANCE

For use of this form, see EM 385-1-1 and ER 37-345-10.

1. DATE: 10 July 1987

SHEET 1 of 1

2. CONTRACTOR AND ADDRESS: Smith, Brown and Jones Inc. 2000 East St. Julian Street, Savannah, GA 31401

3. CONTRACT NO.: DACA21-83-C-0200

4. DISTRICT: Savannah

5. DESCRIPTION OF WORK: Architect-Engineer Services

6. APPROPRIATION AND PROJECT: 2192050 908-9223 PG300.2000-2570

7. REQUIRED COMPLETION DATE: 809133 N/A

8. LOCATION: Fort Benning, GA

9. PERIOD COVERED BY THIS ESTIMATE: FROM 1 May 87 THRU 30 Jun 87

10. JOB ORDER NO.: N/A

11. ESTIMATE NO.: 7

ITEM NO. a	DESCRIPTION b	CONTRACT QUANTITY AND UNIT c	CONTRACT UNIT PRICE d	CONTRACT AMOUNT e	TOTAL TO DATE QUANTITY AND UNIT f	TOTAL TO DATE AMOUNT g
	Design of Military Operation in Built-up Areas					
	Phase I, Concept Design	-	LS	25,250.00	100%	25,250.00
	Phase II (Option), Final Design	-	LS	55,000.00	100%	55,000.00
	I CERTIFY THAT THIS BILL IS CORRECT AND JUST AND PAYMENT HAS NOT BEEN RECEIVED					

INCLUDES MODIFICATION THRU:

TOTAL CONTRACT → $ 80,250.00

TOTAL EARNINGS TO DATE → $ 80,250.00

12. PRESENTED FOR PAYMENT

PAYEE: Smith, Brown and Jones, Inc.

FEIN:

DATE: 10 July 1987

TITLE: Vice-President

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed; that the quantities are correct and consistent with all previous compensation as actually checked; that the equipment and amounts are wholly consistent with the requirements of the contract or other instrument involved.

SIGNATURE | TITLE | DATE

CONTRACTING OFFICER APPROVAL (Signature) | DATE

14. A. PREVIOUS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE**	0
B. PREVIOUS RETAINED PERCENTAGE	100.00
C. PREVIOUS PAYMENTS	80,240.00
D. PREVIOUS EARNINGS (A+B+C)	80,250.00
E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D)	0
F. LESS RETAINED PERCENTAGE	0
G. LESS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE FOR	0
H. TOTAL DEDUCTIONS THIS PERIOD (F+G)	0
I. RETAINAGE REFUNDED	100.00
J. OTHER REFUNDS	
K. TOTAL REFUNDS THIS PERIOD	100.00
L. AMOUNT DUE CONTRACTOR (E-H+K)	100.00

15. RECAPITULATION

TOTAL RETAINED PAYD. (B+J-I) $ TOTAL PAID (C+L) $

ENG FORM 1 MAR 78 93 PREVIOUS EDITION OF THIS FORM IS OBSOLETE

**USE REVERSE SIDE FOR DETAILED EXPLANATION AND OR REMARKS

DEPARTMENT OF THE ARMY
SAVANNAH DISTRICT, CORPS OF ENGINEERS
P.O. BOX 889
SAVANNAH, GEORGIA 31402-0889

REPLY TO
ATTENTION OF:

SASEN-EA DATE: _____

SUBJECT: Release of Claims - To be Submitted with Final Payment Estimate

CONTRACT NO. _____

ARCHITECT-ENGINEER/CONTRACTOR _____

ADDRESS _____

PROJECT _____

LOCATION _____

The undersigned Architect-Engineer/Contractor, under above numbered contract, between the United States of America and said Architect-Engineer/Contractor, in accordance with the PAYMENTS clause of said Contract, hereby releases the United States, its officers, agents, and employees from any and all claims arising under or by virtue of said Contract or any modification or change thereof except with respect to those claims, if any, listed below:

_____

_____

_____

_____

DATE _____ FIRM _____

_____
(Signature)

_____
(Title)

PAYMENT ESTIMATE – CONTRACT PERFORMANCE

For use of this form, see ER 37-2-10 and ER 37-345-10.

1. DATE		SHEET ___ of ___
2. CONTRACTOR AND ADDRESS	3. CONTRACT NO.	4. DISTRICT
5. DESCRIPTION OF WORK	6. APPROPRIATION AND PROJECT	7. REQUIRED COMPLETION DATE
8. LOCATION	9. PERIOD COVERED BY THIS ESTIMATE FROM THRU	10. JOB ORDER NO. / 11. ESTIMATE NO.

ITEM NO. a	DESCRIPTION b	CONTRACT QUANTITY AND UNIT c	CONTRACT UNIT PRICE d	CONTRACT AMOUNT e	TOTAL TO DATE QUANTITY AND UNIT f	TOTAL TO DATE AMOUNT g
INCLUDES MODIFICATION THRU:			TOTAL CONTRACT →	$	TOTAL EARNINGS TO DATE →	$

12. PRESENTED FOR PAYMENT	
PAYEE	PER
DATE	TITLE

13. APPROVED FOR PAYMENT		
I CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed; that the quantities are correct and consistent with all previous computations as actually checked; that the quantities and amounts are wholly consistent with the requirements of the contract or other instrument involved.		
SIGNATURE	TITLE	DATE
CONTRACTING OFFICER APPROVAL (Signature)		DATE

14.		
A. PREVIOUS DEDUCTIONS OTHER THAN RETAINED PERCENTAGE**		
B. PREVIOUS RETAINED PERCENTAGE		
C. PREVIOUS PAYMENTS		
D. PREVIOUS EARNINGS (A+B+C)		
E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE MINUS D)		
F. LESS RETAINED PERCENTAGE		
G. LESS DEDUCTION OTHER THAN RETAINED PERCENTAGE FOR		
H. TOTAL DEDUCTIONS THIS PERIOD (F+G)		
I. RETAINAGE REFUNDED		
J. OTHER REFUNDS		
K. TOTAL REFUNDS THIS PERIOD		
L. AMOUNT DUE CONTRACTOR (E-H+K)		

15. RECAPITULATION:

TOTAL RETAINED PCTG. (B+F-I) $ TOTAL PAID (C+L) $

ENG FORM 1 MAR 78 93 PREVIOUS EDITION OF THIS FORM IS OBSOLETE

**(USE REVERSE SIDE FOR DETAILED EXPLANATION AND-OR REMARKS)

(DATE) _____

MEMORANDUM FOR RECORD

SUBJECT: Report of Field Visit to _____

Project: _____, L.I. _____, FY-_____

AE Contract Number

_____

1. Time of Visit:
2. Place:
3. Purpose of Visit:
4. Persons Contacted and Making Inspections:
5. Specific Matters Considered:
6. Summary:
7. Instructions Issued and Commitments Made:
8. Comments and/or Recommendations:

SIGNATURE: _____

TITLE: _____

ARCHITECT-ENGINEER AND RELATED SERVICES
QUESTIONNAIRE FOR SPECIFIC PROJECT
(SF 255)

STANDARD FORM (SF) **255**

Architect-Engineer and Related Services Questionnaire for Specific Project

Standard Form 255
General Services Administration
Washington, D.C. 20405

6. If respondent is not a joint venture, but intends to use outside (as opposed to in-house or permanently and formally affiliated) consultants or associates, he should provide names and addresses of all such individuals or firms, as well as their particular areas of technical/professional expertise, as it relates to this project. Existence of previous working relationships should be noted. If more than eight outside consultants or associates are anticipated, attach an additional sheet containing requested information.

7. Regardless of whether respondent is a joint venture or an independent firm, provide brief resumes of key personnel expected to participate on this project. Care should be taken to limit resumes to only those personnel and specialists who will have major project responsibilities. Each resume must include: (a) name of each key person and specialist and his or her title, (b) the project assignment or role which that person will be expected to fulfill in connection with this project, (c) the name of the firm or organization, if any, with whom that individual is presently associated, (d) years of relevant experience with present firm and other firms, (e) the highest academic degree achieved and the discipline covered (if more than one highest degree, such as two Ph.D.'s, list both), the year received and the particular technical/professional discipline which that individual will bring to the project, (f) if registered as an architect, engineer, surveyor, etc., show only the field of registration and the year that such registration was first acquired. If registered in several states, do not list states, and (g) a synopsis of experience, training, or other qualities which reflect individual's potential contribution to this project. Include such data as: familiarity with Government or agency procedures, similar type of work performed in the past, management abilities, familiarity with the geographic area, relevant foreign language capabilities, etc. Please limit synopsis of experience to directly relevant information.

8. List up to ten projects which demonstrate the firm's or joint venture's competence to perform work similar to that likely to be required on this project. The more recent such projects, the better. Prime consideration will be given to projects which illustrate respondent's capability for performing work similar to that being sought. Required information must include: (a) name and location of project, (b) brief description of type and extent of services provided for each project (submissions by joint ventures should indicate which member of the joint venture was the prime on that particular project and what role it played), (c) name and address of the owner of that project (if Government agency, indicate responsible office), and name and phone number of individual to contact for reference (preferably the project manager), (d) completion date (actual when available, otherwise estimated), (e) total construction cost of completed project (or where no construction was involved, the approximate cost of your work) and that portion of the cost of the project for which the named firm was/is responsible.

9. List only those projects which the A-E firm or joint venture, or members of the joint venture, are currently performing under direct contract with an agency or department of the Federal Government. Exclude any grant or loan projects being financed by the Federal Government but being performed under contract to other non-Federal Governmental entities. Information provided under each heading is similar to that requested in the preceding Item 8, except for (d) "Percent Complete." Indicate in this item the percentage of A-E work completed upon filing this form.

10. Through narrative discussion, show reason why the firm or joint venture submitting this questionnaire believes it is especially qualified to undertake the project. Information provided should include, but not be limited to, such data as: specialized equipment available for this work, any awards or recognition received by a firm or individuals for similar work, required security clearances, special approaches or concepts developed by the firm relevant to this project, etc. Respondents may say anything they wish in support of their qualifications. When appropriate, respondents may supplement this proposal with graphic material and photographs which best demonstrate design capabilities of the team proposed for this project.

11. Completed forms should be signed by the chief executive officer of the joint venture (thereby attesting to the concurrence and commitment of all members of the joint venture), or by the architect-engineer principal responsible for the conduct of the work in the event it is awarded to the organization submitting this form. Joint ventures selected for subsequent discussions regarding this project must make available a statement of participation signed by a principal of each member of the joint venture. ALL INFORMATION CONTAINED IN THE FORM SHOULD BE CURRENT AND FACTUAL.

STANDARD FORM (SF) **255** Architect-Engineer and Related Services Questionnaire for Specific Project	1. Project Name/Location for which Firm is Filing:	2a. *Commerce Business Daily* Announcement Date, if any:	2b. Agency Identification Number, if any:

3. Firm (or Joint-Venture) Name & Address	3a. Name, Title & Telephone Number of Principal to Contact
	3b. Address of office to perform work, if different from Item 3

4. Personnel by Discipline: (List each person only once, by primary function.) Enter proposed consultant personnel to be utilized on this project on line (A) and In-house personnel on line (B).

(A)	(B)	Administrative	(A)	(B)	Electrical Engineers	(A)	(B)	Oceanographers	(A)	(B)	
(A)	(B)	Architects	(A)	(B)	Estimators	(A)	(B)	Planners: Urban/Regional	(A)	(B)	
(A)	(B)	Chemical Engineers	(A)	(B)	Geologists	(A)	(B)	Sanitary Engineers	(A)	(B)	
(A)	(B)	Civil Engineers	(A)	(B)	Hydrologists	(A)	(B)	Soils Engineers	(A)	(B)	
(A)	(B)	Construction Inspectors	(A)	(B)	Interior Designers	(A)	(B)	Specification Writers	(A)	(B)	
(A)	(B)	Draftsmen	(A)	(B)	Landscape Architects	(A)	(B)	Structural Engineers	(A)	(B)	
(A)	(B)	Ecologists	(A)	(B)	Mechanical Engineers	(A)	(B)	Surveyors	(A)	(B)	
(A)	(B)	Economists	(A)	(B)	Mining Engineers	(A)	(B)	Transportation Engineers	(A)	(B)	Total Personnel

5. If submittal is by JOINT-VENTURE list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm: (Attach SF 254 for each if not on file with Procuring Office.)

5a. Has this Joint-Venture previously worked together? ☐ Yes ☐ No

6. If respondent is not a joint-venture, list outside key Consultants/Associates anticipated for this project (Attach SF 254 for Consultants/Associates listed, if not already on file with the Contracting Office).

Name & Address	Specialty	Worked with Prime before (Yes or No)
1)		
2)		
3)		
4)		
5)		
6)		
7)		
8)		

7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.	
a. Name & Title:	a. Name & Title:
b. Project Assignment:	b. Project Assignment:
c. Name of Firm with which associated:	c. Name of Firm with which associated:
d. Years experience: With This Firm..... With Other Firms.....	d. Years experience: With This Firm..... With Other Firms.....
e. Education: Degree(s)/Year/Specialization	e. Education: Degree(s)/Year/Specialization
f. Active Registration: Year First Registered/Discipline	f. Active Registration: Year First Registered/Discipline
g. Other Experience and Qualifications relevant to the proposed project:	g. Other Experience and Qualifications relevant to the proposed project:

7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.	
a. Name & Title:	a. Name & Title:
b. Project Assignment:	b. Project Assignment:
c. Name of Firm with which associated:	c. Name of Firm with which associated:
d. Years experience: With This Firm..... With Other Firms.....	d. Years experience: With This Firm..... With Other Firms.....
e. Education: Degree(s)/Year/Specialization	e. Education: Degree(s)/Year/Specialization
f. Active Registration: Year First Registered/Discipline	f. Active Registration: Year First Registered/Discipline
g. Other Experience and Qualifications relevant to the proposed project:	g. Other Experience and Qualifications relevant to the proposed project:

7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.	
a. Name & Title:	a. Name & Title:
b. Project Assignment:	b. Project Assignment:
c. Name of Firm with which associated:	c. Name of Firm with which associated:
d. Years experience: With This Firm..... With Other Firms.....	d. Years experience: With This Firm..... With Other Firms.....
e. Education: Degree(s)/Year/Specialization	e. Education: Degree(s)/Year/Specialization
f. Active Registration: Year First Registered/Discipline	f. Active Registration: Year First Registered/Discipline
g. Other Experience and Qualifications relevant to the proposed project:	g. Other Experience and Qualifications relevant to the proposed project:

7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.	
a. Name & Title:	a. Name & Title:
b. Project Assignment:	b. Project Assignment:
c. Name of Firm with which associated:	c. Name of Firm with which associated:
d. Years experience: With This Firm..... With Other Firms.....	d. Years experience: With This Firm..... With Other Firms.....
e. Education: Degree(s)/Year/Specialization	e. Education: Degree(s)/Year/Specialization
f. Active Registration: Year First Registered/Discipline	f. Active Registration: Year First Registered/Discipline
g. Other Experience and Qualifications relevant to the proposed project:	g. Other Experience and Qualifications relevant to the proposed project:

8. Work by firms or joint-venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects).

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address and Project Manager's Name & Phone Number	d. Completion Date (actual or estimated)	e. Estimated Cost (In Thousands)	
				Entire Project	Work For Which Firm Was/Is Responsible
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					
(7)					
(8)					
(9)					
(10)					

9. All work by firms or joint-venture members currently being performed directly for Federal agencies.

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Agency (Responsible Office) Name and Address and Project Manager's Name & Phone Number	d. Percent Complete	e. Estimated Cost (In Thousands)	
				Entire Project	Work For Which Firm is Responsible

SAMPLE DD FORM 1391
PROGRAMING DOCUMENT

2000 29 JUL 1998
ARMY 28 AUG 1991

Fort Benning
Georgia Ammo Holding Facility - LAAF

442 60 38974 1,400

1.00 U.S./US$

PRIMARY FACILITY				625
Ammo Holding Shed	m2	929.03	357.58	(332)
Hardstand	m2	5,435	53.90	(293)
SUPPORTING FACILITIES				619
Electric Service	LS	--	--	(89)
Paving, Walks, Curbs And Gutters	LS	--	--	(123)
Storm Drainage	LS	--	--	(266)
Site Imp(141) Demo( )	LS	--	--	(141)

ESTIMATED CONTRACT COST	1,244
CONTINGENCY PERCENT (5.00%)	62
SUBTOTAL	1,306
SUPERVISION, INSPECTION & OVERHEAD (6.00%)	78
TOTAL REQUEST	1,384
TOTAL REQUEST (ROUNDED)	1,400
INSTALLED EQT-OTHER APPROPRIATIONS	(44)

Construct a covered shed with truck loading dock and hardstand. Supporting facilities include electric service, exterior lighting, lightning protection, paving, storm drainage, blast protection, and site improvements.

11. REQ: 929 m2 ADOT: NONE SUBSTD: NONE

Fort Benning
Georgia

Ammo Holding Facility - LAAF 38974

REQUIREMENT: (Continued)
Immediate Ready Company. Additionally, 463 L pallet loads require handling to meet air load planning requirements of the 75th Ranger Regiment. The covered shed must have a minimum interior height of 18 feet and have lighting that will not affect aircraft operations. The new hot load area is to be located 1,300 feet from the center of the airfield runway. This vehicle hardstand is required to keep tracked vehicles clean as they are being prepared for loading onto deployment aircraft.

CURRENT SITUATION:
Since 1984, ammunition for deployment/contingency missions has been brought to Lawson Army Airfield's (LAAF) Holding Area 32 where it is unloaded, stored, sorted and prepped for loading onto aircraft. This is an unimproved grassed area, which is not level and is poorly drained. Transfer of the ammunition from trucks to storage, final changes to the palletization of ammunition and movement from storage to the aircraft is slow and unpredictable at best. Inclement weather magnifies these problems due to the exposed ammunition and muddy conditions, thus slowing work and causing greater potential hazards. Temporary lighting must be acquired and set up for each operation. The potential for delays in deployment is significant, especially for the Ranger Regiment's 10 hour deployment requirement and the 18 hour requirement of the 3D Brigade. Fort Benning's current hot load area is located on an old taxiway approximately two miles from the aircraft loading apron.

IMPACT IF NOT PROVIDED:
If this project is not provided, the ammunition will continue to be exposed to weather. Excessive wear and tear on loading equipment will continue, and a significant potential for deploying aircraft being delayed will persist.

ADDITIONAL:
This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 3 July 1994. Alternative methods of meeting this

ROUTING OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES OR MANUFACTURER'S CERTIFICATES OF COMPLIENCE FOR APPROVAL (ENG FORM 4026)

ROUTING OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE FOR APPROVAL

(Used to route ENG Form 4025 with items attached. Not to become a part of the Contractor's record.)

	TO:	FROM:	DATE
1			

The attached items listed on ENG Form 4025 are forwarded for approval action.

CONTRACT NUMBER	CONTRACTOR
TRANSMITTAL NUMBERS	PROJECT TITLE AND LOCATION

COMMENTS *(Attach additional sheet, if necessary.)*

NO. OF INCL.	TYPED NAME AND TITLE	SIGNATURE

	TO:	FROM:	DATE
2			

COMMENTS *(Attach additional sheet, if necessary.)*

NO. OF INCL.	TYPED NAME AND TITLE	SIGNATURE

	TO:	FROM:	DATE
3			

COMMENTS *(Attach additional sheet, if necessary.)*

NO. OF INCL.	TYPED NAME AND TITLE	SIGNATURE

	TO:	FROM:	DATE
4			

The following action codes are given to items listed on ENG Form 4025:

ACTION CODES

A - APPROVED AS SUBMITTED.

B - APPROVED, EXCEPT AS NOTED ON DRAWINGS. RESUBMISSION NOT REQUIRED.

C - APPROVED, EXCEPT AS NOTED ON DRAWINGS. REFER TO ATTACHED SHEET. RESUBMISSION REQUIRED.

D - WILL BE RETURNED BY SEPARATE CORRESPONDENCE.

E - DISAPPROVED (SEE ATTACHED)

F - RECEIPT ACKNOWLEDGED

G - OTHER *(specify)*

ACTION CODES TO BE INSERTED IN COLUMN G, SECTION I, ENG FORM 4025 *(Attach sheets, when required.)*

ITEM NO. *(Taken from ENG Form 4025)*								
CODE GIVEN								

REMARKS

NO. OF INCL.	TYPED NAME AND TITLE	SIGNATURE

ENG FORM 1 NOV 74 4026 EDITION OF NOV 66 MAY BE USED.

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DEPARTMENT OF THE ARMY
SAVANNAH DISTRICT, CORPS OF ENGINEERS
P.O. BOX 889
SAVANNAH, GEORGIA 31402-0889

REPLY TO
ATTENTION OF:

SASEN-ES DATE: _____

SUBJECT: Release of Claims - To be Submitted with Final Payment Estimate

CONTRACT NO.
_____

ARCHITECT-ENGINEER/CONTRACTOR
_____

ADDRESS
_____

PROJECT
_____

LOCATION
_____

The undersigned Architect-Engineer/Contractor, under above numbered contract, between the United States of America and said Architect-Engineer/Contractor, in accordance with the PAYMENTS clause of said Contract, hereby releases the United States, its officers, agents, and employees from any and all claims arising under or by virtue of said Contract or any modification or change thereof except with respect to those claims, if any, listed below:

_____

_____

DATE _____ FIRM _____

_____
(Signature)

_____
(Title)

Exhibit I-A-9