

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE 09 JUN 2016 09 JUN 2016						
3. INSTALLATION AND LOCATION Fort Example CONUS				4. PROJECT TITLE Enhanced Chapel							
5. PROGRAM ELEMENT		6. CATEGORY CODE 730 17	7. PROJECT NUMBER 95844		8. PROJECT COST (\$000) 21,000						
9. COST ESTIMATES											
ITEM					UM	QUANTITY	UNIT COST	COST(\$000)			
PRIMARY FACILITY								19,356			
Enhanced Chapel (Large)					SF	68,000	279.06	(18,976)			
Sustainability/Energy Measures					LS	--	--	(380)			
SUPPORTING FACILITIES											
ESTIMATED CONTRACT COST								19,356			
CONTINGENCY (5.00%)								968			
SUBTOTAL								20,324			
SUPERVISION, INSPECTION & OVERHEAD (5.70%)								1,158			
TOTAL REQUEST								21,482			
TOTAL REQUEST (ROUNDED)								21,000			
INSTALLED EQT-OTHER APPROPRIATIONS								(0)			
10. Description of Proposed Construction Construct a religious facility based upon the Army Standard Design for a Chapel with Worship Center(sanctuary) seating capacity for 600 persons and integral features that allow for expanding that seating to 1181 persons by combining the Worship Center and accessory balcony. This facility will include a worship center, activity center with kitchen, multi-purpose areas, baptistery areas, resource center, sacristy area, administrative spaces, information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control Systems (EMCS) connection. Sustainability and energy enhancement measures are included. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, information systems, landscaping and signage. Heating and air conditioning will be provided by [self contained system OR connection to the existing energy plant OR etc.]. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with disabilities will be provided. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance.											
11. REQ:		NONE		ADQT:		NONE		SUBSTD:		NONE	

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PROJECT:  
Construct a standard design Chapel Complex with regular seating capacity up to 600 persons.

ADDITIONAL:  
The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components.

ESTIMATED CONSTRUCTION START:	MAR 2018	INDEX:	2885
ESTIMATED MIDPOINT OF CONSTRUCTION:	OCT 2018	INDEX:	2918
ESTIMATED CONSTRUCTION COMPLETION:	MAY 2019	INDEX:	2952

PREPARATION DATE: 09 JUN 2016 FY 2018 PROGRAM  
FORM/PROJECT NUMBER: 95844  
PROJECT TITLE: Enhanced Chapel  
INSTALLATION: Fort Example  
LOCATION: CONUS

## **GENERAL JUSTIFICATION DATA**

### **Remarks and/or Preparer Notes for Standard Facilities**

Besides the basic building costs, some sites on some Installations have soils that require a cost factor to cover the need for special foundation treatments above the average for typical buildings and soils. Consult the Installation DPW office and the CoS P. O. C. for further guidance on this issue.

Some Installations are operating Utility Monitoring and Control Systems (UMCS) and there can be special costs for extending these systems into new facilities. Some sustainable design features that Installations desire to apply to new facilities do require special costs for site support. Consult the Installation DPW office.

Some sites can require special antiterrorism measures that relate to both the building and the site. Consult the Installation DPW office and the CoS P. O. C. for further guidance on this issue. The building information system requirements for this facility type are similar to those required by the typical unspecialized administrative facility.

This facility will require 480Y/277V service for a transformer size of 1500KVA.

The transformer shall be sized for site conditions. Specific site conditions may require lightning protection and a grounding ring. Communications data and telephone requirements will be governed by I3A and installation requirements. The CoS estimates that 12 Fiber optic cables and 50 copper pair required for this facility.

Cooling, heating, ventilating and air conditioning (HVAC) will be required for the entire facility. The minimum HVAC systems capacities are estimated to be 215.2 tons for cooling and 2,536.8 MBH for heating.

The plumbing requirements for this facility include domestic cold and hot water, sanitary waste, gas distribution and fire protection. Domestic cold and hot water should be provided for this facility having a demand of 127 GPM.

The minimum pipe size for domestic water entering the building should be at least 3-inches.

The facility sanitary piping should be sized for approximately 305 DFU.

The minimum pipe size leaving the building for sanitary waste should be at least 6-inches.

Fire protection will be required to meet a sprinkler demand of at least 1,280 GPM.

Fire protection service would be served by an 8-inch pipe entering the building.

The maximum gas demand for this building is approximately 3,151 CFH.

Steam or Chilled Water availability varies by site and Installation. Consult the Installation DPW office regarding all utility availability and where multiple sites are being considered, plan the costs according to the site that needs the most development. Paving costs are naturally site dependent. Consult the Installation DPW office and where multiple sites are being considered; plan the costs according to the site that needs the most development.

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**FURNISHINGS AND EQUIPMENT**

**Furnishings and Equipment**

Item Description	Total Proc Cost Appr Proc Appr (\$000) FY	Est Delivery Date	Proc Status	Est Instl Cost Instl Instl Appr (\$000) FY
1 General Furnishings Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	609 2019 OMA			
2 Mission Unique Eqp Grp 1 (Misc Eqp Items) Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	208 2019 OMA			
3 Mission Unique Eqp Grp 2 (Misc Eqp Items) Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	185 2019 OMA			
4 A/V System Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	338 2019 OMA			
5 Child Check-In System Footnote:  Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	10 2019 OMA			

**Information Systems Equipment**

Item Description	Total Proc Cost Appr Proc Appr (\$000) FY	Est Delivery Date	Proc Status	Est Instl Cost Instl Instl Appr (\$000) FY
1 Info Sys - ISC	0 2019 OPA			
2 Info Sys - PROP	0 2019			

**Totals by Appropriation Type (\$000)**  
 Total OMA/OMN/3400/OM DHP: 1,350  
 Installed Equipment - Other Appropriations: 0  
 Total Related Furniture & Equipment Amount: 1,350