



Department of the Air Force

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# **Military Construction Program**

**Fiscal Year (FY) 2009**  
**Contingency Operations Supplemental**  
**Request**

**March 2009**

**DEPARTMENT OF THE AIR FORCE  
FY 2009 MILCON Supplemental Funding Request**

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FY 2009 Military Construction Supplemental Funding Request  
(Active, Guard and Reserve Forces)

MILCON Summary

FY08 <u>Actual</u>	FY08 <u>Title IX</u>	FY09 <u>Supp</u>	FY09 <u>Total</u>
\$399.6M	----	\$281.0M	\$281.0M

**Military Construction**

Military Construction is a key enabler in the Global War on Terrorism, directly supporting wartime operations and enhancing force protection. This Supplemental request provides for 1 project at Bagram AB, Afghanistan, 1 project at Kandahar AB, Afghanistan, 2 projects at Tarin Kowt, Afghanistan, 3 projects at Camp Bastion, Afghanistan, 1 project at Spangdahlem AB, and 1 project at Al Udeid AB, Qatar. The request also includes and Planning and Design for all projects.

In order to support a planned increase in ground operations(counter-insurgency and seize hold) in Southern and Eastern Afghanistan, Bagram Airfield (BAF) requires additional dedicated medium-load apron space to accommodate up to 18 close air support aircraft. Planned force plus-ups for 18 aircraft will require apron space at Bagram to provide operational effectiveness and minimum response time in support of kinetic ground-force events.

Construction of a Strategic Airlift Apron at Kandahar AB, Afghanistan will fully connect an operable apron sized and designed for two strategic and eight tactical airlift aircraft. Kandahar is a key logistics hub to support the beddown and sustainment of 6 Brigade Combat Team equivalents into the Southern and Eastern portions of Afghanistan.

Planned force beddown at Tarin Kowt, Afghanistan requires a tactical airstrip capable of supporting C-130 and C-17 operations year-round. The force beddown may include any combination of counterinsurgency/ground combat units, combat units, police mentoring/training teams, headquarters units, support units, combat aviation, etc. These missions will initially require substantial tactical airlift capability at the base for the movement of personnel and materiel, and will continue to require airlift to support sustained ground operations in Southern Afghanistan.

In order to support a planned increase in ground operations in Southern and Eastern Afghanistan, Camp Bastion requires dedicated apron space to accommodate 24 US close air support aircraft. This will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events.

A Fuels Operations & Storage project at Camp Bastion, Afghanistan will construct earthen berms for four 200K gallon expeditionary fuel bladders and a concrete pad suitable for parking and operations of R-11 refueling vehicles. Project will include all

site work, utilities/infrastructure (including a fill stand), lighting, security, and other work required to make the project complete and usable.

Construction to Expand Munitions Storage Area in Camp Bastion, Afghanistan will include all required site work and earthwork, drainage improvements, paved roadways, pre-engineered metal facilities, paved munitions storage pads, lightning protection, site lighting, fencing, demolition, and generator power. Work will include all civil, mechanical, electrical, and communications infrastructure and other utilities necessary to produce a complete and usable munitions storage area (MSA).

The Spangdahlem project will construct a new Child Development Center. The child care center will correct deficiencies and meet increasing needs.

Al Udeid Air Base requires temporary MSA facilities to support 6,000,000 lbs Net Explosive Weight (NEW) munitions, in part, already stored at the base in areas the Host Nation has requested the US. vacate for HN construction purposes, and in part additional capacity AFCENT and CENTCOM require to stage within the CENTCOM AOR. As the hub operations, all munitions moving into theatre will transit Al Udeid, so the storage is critical to ensure timely delivery of munitions to meet current and planned operations.

Planning and Design funds are requested to support the above projects.

Department of Defense  
 FY 2010/2011 President's Budget  
 Exhibit C-1 FY 2009 Published GWOT  
 Total Obligational Authority  
 (Dollars in Thousands)

Location/Component/Installation	FY 2009 GWOT Request	FY 2009 Bridge Allocation	FY 2009 GWOT Pending Request
AFGHANISTAN			
AF			
BAGRAM AIR BASE, AFGHANISTAN	32,000		32,000
CAS APRON	32,000		32,000
Total BAGRAM AIR BASE, AFGHANISTAN			
KANDAHAR, AFGHANISTAN	84,000		84,000
STRATEGIC AIRLIFT APRON	84,000		84,000
Total KANDAHAR, AFGHANISTAN			
TARIN KOWT	18,500		18,500
RUNWAY	9,400		9,400
AIRLIFT APRON	27,900		27,900
Total TARIN KOWT			
TOMBSTONE/BASTION	43,000		43,000
CAS APRON	2,250		2,250
FUELS OPERATIONS & STORAGE	51,000		51,000
EXPAND MUNITIONS STORAGE AREA	96,250		96,250
Total TOMBSTONE/BASTION			
AFGHANISTAN TOTAL	240,150		240,150
GERMANY			
AF			
SPANGDAHEM AB	11,400		11,400
CONSTRUCT CHIID DEV CTR	11,400		11,400
Total SPANGDAHEM AB			
GERMANY TOTAL	11,400		11,400
QATAR			
AF			
AL UDEID, QATAR	15,500		15,500
TEMPORARY WEST MUNITIONS STORAGE AREA	15,500		15,500
Total AL UDEID, QATAR			
QATAR TOTAL	15,500		15,500

Department of Defense  
FY 2010/2011 President's Budget  
Exhibit C-1 FY 2009 Published GWOT  
Total Obligational Authority  
(Dollars in Thousands)

Location/Component/Installation	FY 2009 GWOT Request	FY 2009 Bridge Allocation	FY 2009 GWOT Pending Request
WORLDWIDE UNSPECIFIED			
AF			
UNSPECIFIED WORLDWIDE LOCATIONS	570		570
PLANNING AND DESIGN	13,350		13,350
PLANNING AND DESIGN FOR CENTCOM AOR	13,920		13,920
Total UNSPECIFIED WORLDWIDE LOCATIONS	13,920		13,920
WORLDWIDE UNSPECIFIED TOTAL	13,920		13,920
Total Military Construction and Family Housing	280,970		280,970

## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Airfield Aprons

**Priority:** 1

**Project:** ATUH093150, CAS Apron

**Location:** Bagram AB, Afghanistan

**Amount (\$000):** \$32M

**Description/Justification:** Construct a medium-load paved aircraft apron with shoulders.

**Impact if not provided:** If CAS apron space is not provided at Bagram, the CFACC will not be able to support increased ground operations in Southern and Eastern Afghanistan. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at BAF, Kandahar and Bastion) would require extensive tanker support, and also exceed desired response time to the planned area of operations; and alternate airfield will drive an increase in response to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support any increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume risk in engaging insurgents, in the event no CAS is available to support.



## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Airfield Aprons

**Priority:** 2

**Project:** LYAV093300, Strategic Airlift Apron

**Location:** Kandahar AB, Afghanistan

**Amount (\$000):** \$84M

**Description/Justification:** Construct a medium-load paved aircraft apron, connecting taxiways, and shoulders for strategic airlift aircraft.

**Impact if not provided:** Planned ground-force plus-ups for Southern and Eastern Afghanistan will increase logistical demand up to 500% just to beddown the added units. Airlift is now and will become increasingly critical, both strategically – getting supplies and personnel into theater – and tactically – getting supplies and personnel into and out of forward operating locations. If this project is not provided, a huge amount of added strain will be placed on not only ground logistics lines into and out of Afghanistan, but around the Southern and Eastern portions of the country's Ring Road as materials are ground-convoyed to more remote locations. Lacking appropriate airlift infrastructure, this massive ground logistics effort will exponentially slow the planned influx of ground forces into Afghanistan, giving insurgents an opportunity to gain additional ground; it will also place many more logistics convoys in direct harm on what have lately been the most dangerous and vulnerable stretches of Ring Road in the country.

## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Airfield Runways

**Priority:** 3

**Project:** TRKT093810, Runway

**Location:** Tarin Kowt, Afghanistan

**Amount (\$000):** \$18.5M

**Description/Justification:** Construct a runway for airlift aircraft.

**Impact if not provided:** If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to airlift capacity cannot be satisfied by increased reliance on ground transportation. Several sensitive categories of materials must be delivered by air. Additionally, the current operational support accepts significant risk by increasing ground flows across the Pakistan/Afghanistan border by 100% to 500%.

## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Airfield Aprons

**Priority:** 4

**Project:** TRKT093821, Airlift Apron

**Location:** Tarin Kowt, Afghanistan

**Amount (\$000):** \$9.4M

**Description/Justification:** Construct a paved aircraft apron.

**Impact if not provided:** If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to airlift capacity cannot be satisfied by increased reliance on ground transportation. Several sensitive categories of materials must be delivered by air. Additionally, the current operational concept accepts a significant risk by increasing ground flows across the Pakistan/Afghanistan border by 100% to 500%.

## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Airfield Aprons

**Priority:** 5

**Project:** CMBA093960, CAS Apron

**Location:** Camp Bastion, Afghanistan

**Amount (\$000):** \$43M

**Description/Justification:** Construct a medium-load paved aircraft apron, shoulders, connecting taxiways, and Arm/De-Arm pads for 24 fighter aircraft.

**Impact if not provided:** If CAS apron space is not provided at Bastion, the CFACC will not be able to effectively support increases in ground operations in Southern and Eastern Afghanistan. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at Bagram, Kandahar, and Bastion) will require extensive tanker support, and also exceed desired response time to the planned area of operations. An alternate airfield will drive an increase in response to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support an increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume risk in engaging insurgents, in the event no CAS is available to support.

## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Operating Fuels Storage Facility

**Priority:** 6

**Project:** CMBA093970, Fuels Operations & Storage

**Location:** Camp Bastion, Afghanistan

**Amount (\$000):** \$2.3M

**Description/Justification:** Construct earthen berms for four 200K gallon expeditionary fuel bladders and a concrete pad suitable for parking and operations of R-11 refueling vehicles.

**Impact if not provided:** If fuel storage and a refueling vehicle operational area is not provided on the East side of the airfield at Bastion, the base will not be able to support refueling requirements generated by an influx of airlift and close air support aircraft. As apron space is made available by the completion of construction at Bastion, US aircraft will be deployed there. Fuel storage and refueling capability must be provided on the East side of the airfield (near planned aprons), or refueling operations will be forced to run from existing storage areas more than two miles, causing delays in refueling operational aircraft.

## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Install & Ready – Issue Ammunition Storage

**Priority:** 7

**Project:** CMBA093975, Expand Munitions Storage Area

**Location:** Camp Bastion, Afghanistan

**Amount (\$000):** \$51M

**Description/Justification:** Project will include all required site work and earthwork, drainage improvements, paved roadways, pre-engineered metal facilities, paved munitions storage pads, lightning protection, site lighting, fencing, demolition, and generator power.

**Impact if not provided:** The current MSA will not be able to support munitions storage and operational requirements associated with new missions. Munitions will either not be available or available on an uncertain and limited basis; both options will severely limit the CFACC and ground combat Commanders' options for combat support in Southern and Eastern Afghanistan. Alternately, any expedient method of storage will require the CFACC and other Commanders to assume unacceptable high levels of risk in storage and operations; any expedient storage or base operational areas, and may leave munitions more exposed to the elements, driving a higher rate of failure. Lack of consistent and reliable munitions storage will place ground combat forces (in particular) at risk on the battlefield in the event that they (and/or CAS aircraft) cannot be fully supplied.

## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Family & Child Support Facilities

**Priority:** 8

**Project:** VYHK093005, Construct Child Development Center

**Location:** Spangdahlem AB, Germany

**Amount (\$000):** \$11.4M

**Description/Justification:** Construct a new Child Development Center on Spangdahlem Air Base.

**Impact if not provided:** The new CDC at Spangdahlem is critical to accommodate the Bitsburg Annex closure. If the facility is not provided 160 children and 25 more children currently on the wait list will be forced to find alternate child care due to the deficiency in Spangdahlem facilities. The 160 children impacted cannot be addressed by privately licensed on-base providers since all 15 providers are at maximum capacity with 90 children each. It is critical that our military and civilian personnel are able to focus on their mission as the war on terrorism continues without the distraction of inadequate child care.

## Summary of Military Construction Projects

**Component:** Air Force

**Category:** Install & Ready – Issue Ammunition Storage

**Priority:** 9

**Project:** ALUA080126, Temporary West Munitions Storage Area

**Location:** Al Udeid AB, Qatar

**Amount (\$000):** \$15.5M

**Description/Justification:** Construct 27 temporary, earthen-base magazine storage pads with proper grounding.

**Impact if not provided:** If this project is not provided, neither of these critical efforts will be met. Existing munitions currently stored at the base's south MSA will either remain in place (in continued violation of the HN's request that the U.S. vacate the site by late 2007, a situation that will eventually stop work on HN construction of a critical parallel runway and taxiway) or will have to be shipped out of theater, reducing ready munitions available for combat missions in the OIF and OEF theaters. In addition, the munitions AFCENT and CENTCOM had planned to stage in theater beginning in mid-2007 will continue to lack storage space in the CENTCOM AOR. Missions for which these munitions were planned will continue to lack the storage and staging space necessary for ready access in theater.



**Summary of Military Construction Projects**

**Component:** Air Force

**Category:** MILCON Planning & Design

**Priority:**

**Project:** PAYZ090002, Planning & Design

**Location:** Unspecified World-Wide Locations

**Amount (\$000):** \$13.9M

**Description/Justification:**

- Project will provide \$.57M Planning & Design funds for the Child Development Center at Spangdahlem AFB, Germany.
- Project will provide \$13.4M Planning & Design funds for projects in CENTCOM AOR.

**Impact if not provided:** Planning & Design funds must be taken from other approved projects to fund the design for the Spangdahlem Child Development Center and the design for projects in the CENTCOM AOR, causing design risk for other projects.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE CAS APRON		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER ATUH093150	8. PROJECT COST (\$000) 32,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				21,050
PAVEMENT	SM	50,000	400	( 20,000 )
SHOULDERS	SM	7,000	150	( 1,050 )
SUPPORTING FACILITIES				6,920
AIRFIELD PAVEMENT MARKINGS	SM	50,000	4	( 200 )
GROUNDING AND TIE-DOWN POINTS	EA	400	1,000	( 400 )
APRON EDGE LIGHTING	LS			( 1,470 )
JET BLAST DEFLECTOR	EA	1	1,430,000	( 1,430 )
HIGH MAST APRON LIGHTING	EA	8	315,000	( 2,520 )
DEMOLITION	LS			( 900 )
SUBTOTAL				27,970
CONTINGENCY (5.5%)				1,538
TOTAL CONTRACT COST				29,508
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)				2,272
TOTAL REQUEST				31,780
TOTAL REQUEST (ROUNDED)				32,000
10. Description of Proposed Construction: Construct a 50,000 SM medium-load paved aircraft apron with shoulders, for 18 fighter aircraft. Work will include pavement markings, edge lighting, area lighting, utilities (including but not limited to power connections and electrical infrastructure), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.				
11. Requirement: 114063 SM Adequate: 64063 SM Substandard: 0 SM PROJECT: CAS APRON (NEW MISSION)				
<p>REQUIREMENT: In order to support a planned increase in ground operations (counter-insurgency and seize/hold) in Southern and Eastern Afghanistan, Bagram Airfield (BAF) requires additional dedicated medium-load apron space to accommodate up to 18 close air support (CAS) aircraft. The Combined Air Forces Air Component Commander (CFACC) has identified BAF as one of a limited number of existing airfields in Afghanistan suitable for CAS operations. Planned force plus-ups for 18 aircraft will require apron space at Bagram in order to provide the CFACC maximum operational effectiveness and minimum response-time in support of kinetic ground-force events.</p> <p>CURRENT SITUATION: Existing CAS apron space at BAF is fully-utilized by approximately 30 aircraft deployed to the base, supporting current ground forces in Afghanistan. All remaining apron areas are filled to capacity as well with other types of aircraft. Both AFCENT and MARCENT require beddown of fighter aircraft in Afghanistan in response to current ground-force planning efforts; new apron space at BAF, Kandahar, and Bastion is central to the CFACC's air support plan. This project is necessary to enable increased force posture in Afghanistan.</p>				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN			4. PROJECT TITLE CAS APRON	
5. PROGRAM ELEMENT  27596	6. CATEGORY CODE  113-321	7. PROJECT NUMBER  ATUH093150	8. PROJECT COST (\$000)  32,000	
<p>IMPACT IF NOT PROVIDED: If CAS apron space is not provided at Bagram, the CFACC will not be able to support increased ground operations in Southern and Eastern Afghanistan. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at BAF, Kandahar and Bastion) would require extensive tanker support, and also exceed desired response time to the planned area of operations; an alternate airfield will drive an increase in response to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support any increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume risk in engaging insurgents, in the event no CAS is available to support.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility will be designed and built for Joint Use Operations in support of OEF.</p>				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN			4. PROJECT TITLE CAS APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER ATUH093150	8. PROJECT COST (\$000) 32,000	
12. SUPPLEMENTAL DATA:				
a. Estimated Design Data:				
(1) Status:				
(a) Date Design Started			29-SEP-08	
(b) Parametric Cost Estimates used to develop costs			YES	
* (c) Percent Complete as of 01 JAN 2008				
* (d) Date 35% Designed				
(e) Date Design Complete			31-OCT-08	
(f) Energy Study/Life-Cycle analysis was/will be performed			NO	
(2) Basis:				
(a) Standard or Definitive Design -			NO	
(b) Where Design Was Most Recently Used				
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)				
(a) Production of Plans and Specifications			0	
(b) All Other Design Costs			0	
(c) Total			0	
(d) Contract			0	
(e) In-house			0	
(4) Construction Contract Award			09 FEB	
(5) Construction Start			09 MAR	
(6) Construction Completion			09 DEC	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.				
b. Equipment associated with this project provided from other appropriations: N/A				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE STRATEGIC AIRLIFT APRON		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV093300	8. PROJECT COST (\$000) 84,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				68,700
PAVEMENT	SM	111,000	400	( 44,400 )
SHOULDERS	SM	16,400	150	( 2,460 )
CONNECTING TAXIWAYS	SM	54,600	400	( 21,840 )
SUPPORTING FACILITIES				4,802
AIRFIELD PAVEMENT MARKINGS	SM	165,600	5	( 828 )
GROUNDING AND TIE DOWN POINTS	EA	99	1,000	( 99 )
APRON EDGE LIGHTING	LS			( 475 )
HIGH MAST APRON LIGHTING	EA	8	315,000	( 2,520 )
ELECTRICAL PRODUCTION AND DISTRIBUTION	LS			( 485 )
DEMOLITION	LS			( 395 )
SUBTOTAL				73,502
CONTINGENCY (5.5%)				4,043
TOTAL CONTRACT COST				77,545
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)				5,971
TOTAL REQUEST				83,516
TOTAL REQUEST (ROUNDED)				84,000
10. Description of Proposed Construction: Construct an 111,000 SM medium-load paved aircraft apron, connecting taxiways, and shoulders for strategic airlift aircraft. Work will also include pavement markings, edge lighting, high mast apron lighting, utilities (including but not limited to power and electrical connections) and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.				
11. Requirement: 133200 SM Adequate: 22200 SM Substandard: 0 SM PROJECT: STRATEGIC AIRLIFT APRON (NEW MISSION)				
REQUIREMENT: A fully connected and operable apron sized and designed for two strategic and eight tactical airlift aircraft. The Combined Forces Air Component Commander (CFACC), has identified Kandahar as a key logistics hub to support the beddown and sustainment of 6 Brigade Combat Team equivalents into the Southern and Eastern portions of Afghanistan.				
CURRENT SITUATION: Currently the base cannot support the planned airlift from existing aprons. KAF currently operates 3 strategic and tactical airlift aprons, which allow parking/offload for 9 aircraft. Of these, the United States typically has 2 on the apron at Kandahar at any one time; about 70% below what is currently required (the rest of the available MOG is used by ISAF partner nations, as Kandahar is an ISAF base). This project is necessary to increase force posture in Afghanistan.				
IMPACT IF NOT PROVIDED: Planned ground-force plus-ups for Southern and Eastern				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN			4. PROJECT TITLE STRATEGIC AIRLIFT APRON	
5. PROGRAM ELEMENT  27596	6. CATEGORY CODE  113-321	7. PROJECT NUMBER  LYAV093300	8. PROJECT COST (\$000)  84,000	
<p>Afghanistan will increase logistical demand up to 500% just to beddown the added units. Airlift is now and will become increasingly critical, both strategically - getting supplies and personnel into theater - and tactically - getting supplies and personnel into and out of forward operating locations. If this project is not provided, a huge amount of added strain will be placed on not only ground logistics lines into and out of Afghanistan, but around the Southern and Eastern portions of the country's Ring Road as materials are ground-convoied to more remote locations. Lacking appropriate airlift infrastructure, this massive ground logistics effort will exponentially slow the planned influx of ground forces into Afghanistan, giving insurgents an opportunity to gain additional ground; it will also place many more logistics convoys in direct harm on what have lately been the most dangerous and vulnerable stretches of Ring Road in the country.</p>				
<p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>				
<p>JOINT USE CERTIFICATION: This facility will be designed and built for Joint Use Operations in support of OEF.</p>				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN			4. PROJECT TITLE STRATEGIC AIRLIFT APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV093300	8. PROJECT COST (\$000) 84,000	
12. SUPPLEMENTAL DATA:				
a. Estimated Design Data:				
(1) Status:				
(a) Date Design Started			29-SEP-08	
(b) Parametric Cost Estimates used to develop costs			YES	
* (c) Percent Complete as of 01 JAN 2008				
* (d) Date 35% Designed				
(e) Date Design Complete			31-OCT-08	
(f) Energy Study/Life-Cycle analysis was/will be performed			NO	
(2) Basis:				
(a) Standard or Definitive Design -			NO	
(b) Where Design Was Most Recently Used				
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)	
(a) Production of Plans and Specifications			0	
(b) All Other Design Costs			0	
(c) Total			0	
(d) Contract			0	
(e) In-house			0	
(4) Construction Contract Award			09 FEB	
(5) Construction Start			09 MAR	
(6) Construction Completion			09 DEC	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.				
b. Equipment associated with this project provided from other appropriations: N/A				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN			4. PROJECT TITLE RUNWAY		
5. PROGRAM ELEMENT 22179	6. CATEGORY CODE 111-111	7. PROJECT NUMBER TRKT093810	8. PROJECT COST (\$000) 18,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					11,235
PAVEMENT (TURNAROUND & TOUCHDOWN)		SM	12,300	300	( 3,690 )
PAVEMENT (INTERIOR)		SM	50,300	150	( 7,545 )
SUPPORTING FACILITIES					4,984
AIRFIELD PAVEMENT MARKINGS		SM	62,600	3	( 188 )
SITE IMPROVEMENTS		LS			( 3,500 )
GRAVEL EXTENSION		SM	36,000	36	( 1,296 )
SUBTOTAL					16,219
CONTINGENCY (5.5%)					892
TOTAL CONTRACT COST					17,111
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					1,318
TOTAL REQUEST					18,428
TOTAL REQUEST (ROUNDED)					18,500
10. Description of Proposed Construction: Construct a 2,135 m C-130/C-17 runway for airlift aircraft; work will include pavement, markings and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 63000 SM Adequate: 0 SM Substandard: 64500 SM PROJECT: RUNWAY (NEW MISSION)					
<p>REQUIREMENT: Planned force beddown at this location requires a tactical airstrip capable of supporting C-130 and C-17 operations year-round. Force beddown at Tarin Kowt may include any combination of the following: counterinsurgency/ground combat units, police mentoring/training teams, headquarters units, support units, combat aviation, etc. These missions will initially require substantial tactical airlift capability at the base for the movement of personnel and materiel, and will continue to require airlift to support sustained ground operations in Southern Afghanistan.</p> <p>CURRENT SITUATION: Tarin Kowt is limited to a 1,896 m (6,210 ft) X 34 m (111 ft) compacted soil airstrip. This tactical strip is fairly stable in dry weather, and remains operational with daily maintenance; however, operations in wet weather (during winter months) damage its surface, requiring repairs to restore capability. A plan to increase ground-force operations at Tarin Kowt will require a significant increase in operations at this tactical airfield. This project is necessary to increase force posture in Afghanistan.</p> <p>IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to airlift capacity cannot be satisfied by increased reliance on ground transportation.</p>					



1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN			4. PROJECT TITLE RUNWAY	
5. PROGRAM ELEMENT  22179	6. CATEGORY CODE  111-111	7. PROJECT NUMBER  TRKT093810	8. PROJECT COST (\$000)  18,500	
<p>Several sensitive categories of materials must be delivered by air. Additionally, the current operational concept accepts significant risk by increasing ground flows across the Pakistan / Afghanistan border by 100% to 500%.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility will be designed and built for Joint Use Operations in support of OEF.</p>				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN			4. PROJECT TITLE RUNWAY	
5. PROGRAM ELEMENT 22179	6. CATEGORY CODE 111-111	7. PROJECT NUMBER TRKT093810	8. PROJECT COST (\$000) 18,500	
12. SUPPLEMENTAL DATA:				
a. Estimated Design Data:				
(1) Status:				
(a) Date Design Started				29-SEP-08
(b) Parametric Cost Estimates used to develop costs				YES
* (c) Percent Complete as of 01 JAN 2008				35 %
* (d) Date 35% Designed				
(e) Date Design Complete				31-MAR-09
(f) Energy Study/Life-Cycle analysis was/will be performed				NO
(2) Basis:				
(a) Standard or Definitive Design -				NO
(b) Where Design Was Most Recently Used				
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)				
(a) Production of Plans and Specifications				1,020
(b) All Other Design Costs				510
(c) Total				1,530
(d) Contract				1,250
(e) In-house				280
(4) Construction Contract Award				09 MAY
(5) Construction Start				09 JUL
(6) Construction Completion				10 NOV
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.				
b. Equipment associated with this project provided from other appropriations: N/A				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN			4. PROJECT TITLE AIRLIFT APRON		
5. PROGRAM ELEMENT 22179	6. CATEGORY CODE 113-321	7. PROJECT NUMBER TRKT093821	8. PROJECT COST (\$000) 9,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					6,420
PAVEMENT		SM	21,400	300	( 6,420 )
SUPPORTING FACILITIES					1,819
TEMPORARY APRON		LS			( 375 )
AIRFIELD PAVEMENT MARKINGS		SM	17,000	3	( 51 )
GROUNDING & TIE DOWN POINTS		EA	18	1,000	( 18 )
SITE IMPROVEMENTS AND DRAINAGE		LS			( 1,375 )
SUBTOTAL					8,239
CONTINGENCY (5.5%)					453
TOTAL CONTRACT COST					8,692
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					669
TOTAL REQUEST					9,361
TOTAL REQUEST (ROUNDED)					9,400
10. Description of Proposed Construction: Construct a 17,000 SM paved aircraft apron for simultaneous parking/offload of two C-17 airlift aircraft. Work will also include pavement, markings and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 17000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: AIRLIFT APRON (NEW MISSION)					
<p>REQUIREMENT: Planned force beddown at this location requires a tactical airstrip capable of supporting C-130 and C-17 operations in all-weather conditions. In order to support the tactical airlift operations associated with this strip, the base requires ramp space sized to accommodate parking/offload of two aircraft.</p> <p>CURRENT SITUATION: Tarin Kowt does not have any apron space. The base is currently served primarily by ground transport along dangerous, frequently attacked/IED-set portions of Afghanistan's ring road, putting operational and supply convoys at constant risk. A plan to increase both Army and US Marine ground-force operations at Tarin Kowt will require a significant increase in operations at this tactical airfield, including a year round ramp and offload space. This project is necessary to increase force posture in Afghanistan.</p> <p>IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to airlift capacity cannot be satisfied by increased reliance on ground transportation. Several sensitive categories of materials must be delivered by air. Additionally, the current operational concept accepts significant risk by increasing ground flows across the Pakistan / Afghanistan border by 100% to 500%.</p>					

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN		4. PROJECT TITLE AIRLIFT APRON	
5. PROGRAM ELEMENT  22179	6. CATEGORY CODE  113-321	7. PROJECT NUMBER  TRKT093821	8. PROJECT COST (\$000)  9,400
<p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility will be designed and built for Joint Use Operations in support of OEF.</p>			

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN		4. PROJECT TITLE AIRLIFT APRON	
5. PROGRAM ELEMENT 22179	6. CATEGORY CODE 113-321	7. PROJECT NUMBER TRKT093821	8. PROJECT COST (\$000) 9,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2008			35 %
* (d) Date 35% Designed			
(e) Date Design Complete			31-MAR-09
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			444
(b) All Other Design Costs			222
(c) Total			666
(d) Contract			600
(e) In-house			66
(4) Construction Contract Award			09 MAY
(5) Construction Start			09 JUL
(6) Construction Completion			10 AUG
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE FUELS OPERATIONS & STORAGE		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 124-135	7. PROJECT NUMBER CMBA093970	8. PROJECT COST (\$000) 2,250	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				1,352
REFUELER VEHICLE PARKING & FILL STANDS	SM	2,000	300	( 600 )
ROADS	SM	6,500	100	( 650 )
FUEL BLADDER STORAGE BERMS	SM	1,500	68	( 102 )
SUPPORTING FACILITIES				608
SECURITY FENCING	LM	1,000	155	( 155 )
ELECTRICAL PRODUCTION & DISTRIBUTION	LS			( 215 )
SITE IMPROVEMENTS & DRAINAGE	LS			( 145 )
SECURITY @ 5%	LS			( 93 )
SUBTOTAL				1,960
CONTINGENCY (5.5%)				108
TOTAL CONTRACT COST				2,068
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)				159
TOTAL REQUEST				2,227
TOTAL REQUEST (ROUNDED)				2,250
10. Description of Proposed Construction: Construct earthen berms for four 200K gallon expeditionary fuel bladders and a concrete pad suitable for parking and operations of R-11 refueling vehicles. Project will include all site work, utilities/infrastructure (including a fill stand), lighting, security, and other work required to make the project complete and usable. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.				
11. Requirement: 10000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: FUELS OPERATIONS & STORAGE (NEW MISSION)  REQUIREMENT: Camp Bastion requires approximately 800,000 gallons of fuel storage in near proximity to planned US air operations at the base. An increase of 6+ Brigade Combat Team (BCT) equivalents in the Southern and Eastern portions of Afghanistan will require additional airlift and close air support aircraft at the base. These aircraft require a short-term fuel storage area with fill stand and fuel truck parking/capability in order to facilitate responsive refueling operations.  CURRENT SITUATION: Bastion currently has a small aviation fuel storage area approximately two miles from planned apron operations. Current fuel storage is inadequate to support planned aircraft and the distance would make refueling operations inefficient. Infrastructure will be built to support major US air power plus-up at the base; these aircraft will require fuel storage, fill stand capability, and parking/operating area for refueling vehicles. The US requires additional short-term fuel capability (and the capability to fill and operate fuel trucks) on the East side of the runway, near US aircraft, in order to sustain daily operations. This project provides logistic enablers necessary to sustain OEF forces and to give				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE FUELS OPERATIONS & STORAGE	
5. PROGRAM ELEMENT  27596	6. CATEGORY CODE  124-135	7. PROJECT NUMBER  CMBA093970	8. PROJECT COST (\$000)  2,250
<p>Commander USFOR-A operational flexibility to either introduce additional forces or to redeploy forces as necessary to counter emerging threats or reinforce successful operations.</p> <p>IMPACT IF NOT PROVIDED: If fuel storage and a refueling vehicle operational area is not provided on the East side of the airfield at Bastion, the base will not be able to support refueling requirements generated by an influx of airlift and close air support aircraft. As apron space is made available by the completion of construction at Bastion, US aircraft will be deployed there. Fuel storage and refueling capability must be provided on the East side of the airfield (near planned aprons), or refueling operations will be forced to run from existing storage areas more than two miles, causing delays in refueling operational aircraft.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility will be designed and built for Joint Use Operations in support of OEF.</p>			

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE FUELS OPERATIONS & STORAGE	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 124-135	7. PROJECT NUMBER CMBA093970	8. PROJECT COST (\$000) 2,250
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2008			35%
* (d) Date 35% Designed			
(e) Date Design Complete			31-MAR-09
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			126
(b) All Other Design Costs			63
(c) Total			189
(d) Contract			100
(e) In-house			89
(4) Construction Contract Award			09 MAY
(5) Construction Start			09 JUL
(6) Construction Completion			10 JUN
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			



1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN			4. PROJECT TITLE CAS APRON		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA093960	8. PROJECT COST (\$000) 43,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
APRON					25,910
PAVEMENT		SM	46,000	400	( 18,400 )
SHOULDERS		SM	19,500	100	( 1,950 )
CONNECTING TAXIWAYS		SM	13,900	400	( 5,560 )
SUPPORTING FACILITIES					11,921
AIRFIELD PAVEMENT MARKINGS		SM	55,900	5	( 280 )
GROUND AND TIE-DOWN POINTS		EA	220	1,000	( 220 )
APRON EDGE LIGHTING		LS			( 1,750 )
ELECTRICAL PRODUCTION AND DISTRIBUTION		LS			( 950 )
ARM/DE-ARM PADS		SM	17,300	400	( 6,920 )
SECURITY @ 5%		LS			( 1,801 )
SUBTOTAL					37,831
CONTINGENCY (5.5%)					2,081
TOTAL CONTRACT COST					39,912
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					3,073
TOTAL REQUEST					42,985
TOTAL REQUEST (ROUNDED)					43,000
10. Description of Proposed Construction: Construct a 44,300 SM medium-load paved aircraft apron, shoulders, connecting taxiways, and Arm/De-Arm pads for 24 fighter aircraft. Work will include pavement markings, edge lighting, utilities (including but not limited to power connections and electrical infrastructure), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 46000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: CAS APRON (NEW MISSION)					
<p>REQUIREMENT: In order to support a planned increase in ground operations (counter-insurgency and seize/hold) in Southern and Eastern Afghanistan, Camp Bastion requires dedicated apron space to accommodate 24 US close air support (CAS) aircraft. The Combined Forces Air Component Commander (CFACC) has identified Bastion as one of a limited number of existing airfields in Afghanistan suitable for CAS operations. That will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events.</p> <p>CURRENT SITUATION: Both AFCENT and MARCENT require beddown of fighter aircraft in Afghanistan in response to current ground-force planning efforts. New apron space at Bagram, Kandahar, and Bastion is central to the CFACC's air support plan. Bastion currently has no apron space available for planned counterinsurgency, "seize/hold", and police mentoring/training operations. This project is necessary to increase force posture in Afghanistan.</p>					

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN			4. PROJECT TITLE CAS APRON	
5. PROGRAM ELEMENT  27596	6. CATEGORY CODE  113-321	7. PROJECT NUMBER  CMBA093960	8. PROJECT COST (\$000)  43,000	
<p>IMPACT IF NOT PROVIDED: If CAS apron space is not provided at Bastion, the CFACC will not be able to effectively support increases in ground operations in Southern and Eastern Afghanistan. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at Bagram, Kandahar and Bastion) will require extensive tanker support, and also exceed desired response time to the planned area of operations. An alternate airfield will drive an increase in response to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support an increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume risk in engaging insurgents, in the event no CAS is available to support.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility will be designed and built for Joint Use Operations in support of OEF.</p>				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE CAS APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA093960	8. PROJECT COST (\$000) 43,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2008			35 %
* (d) Date 35% Designed			
(e) Date Design Complete			31-MAR-09
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications			2,340
(b) All Other Design Costs			1,170
(c) Total			3,510
(d) Contract			2,750
(e) In-house			760
(4) Construction Contract Award			09 MAY
(5) Construction Start			09 JUL
(6) Construction Completion			11 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE EXPAND MUNITIONS STORAGE AREA		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 422-271	7. PROJECT NUMBER CMBA093975	8. PROJECT COST (\$000) 51,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				29,140
CONCRETE PAVEMENTS	SM	30,600	200	( 6,120 )
MUNITIONS PADS	SM	12,400	123	( 1,525 )
MUNITIONS SUPPORT FACILITIES	SM	5,500	1,400	( 7,700 )
ROADS/CULVERTS	SM	89,000	155	( 13,795 )
SUPPORTING FACILITIES				15,830
LIGHTING PROTECTION	LS			( 895 )
SECURITY FENCE	LM	4,600	203	( 934 )
ELECTRICAL PRODUCTION & DISTRIBUTION	LS			( 3,940 )
COMMUNICATIONS SUPPORT	LS			( 1,345 )
SITE IMPROVEMENTS & DRAINAGE	LS			( 6,575 )
SECURITY @ 5%	LS			( 2,141 )
SUBTOTAL				44,970
CONTINGENCY (5.5%)				2,473
TOTAL CONTRACT COST				47,444
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)				3,653
TOTAL REQUEST				51,097
TOTAL REQUEST (ROUNDED)				51,000
10. Description of Proposed Construction: Project will include all required site work and earthwork, drainage improvements, paved roadways, pre-engineered metal facilities, paved munitions storage pads, lightning protection, site lighting, fencing, demolition, and generator power. Work will include all civil, mechanical, electrical, and communications infrastructure and other utilities necessary to produce a complete and usable munitions storage area (MSA). Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.				
11. Requirement: 30600 SM Adequate: 0 SM Substandard: 0 SM PROJECT: EXPAND MUNITIONS STORAGE AREA (NEW MISSION)				
<p>REQUIREMENT: Bastion requires an area to safely receive, store, build, and provide sustained delivery of munitions for up to 10 days of ground and air combat. Bastion has been identified as one of two major US Forces beddown locations for 6+ Brigade Combat Team-equivalent increase in counterinsurgency and police mentoring/training teams in Southern and Eastern Afghanistan. Construction of an MSA compound with road infrastructure, concrete storage pads and functional facilities is necessary in order to create efficient operational flow and ensure safe operating conditions as outlined in DoD 6055.9 STD, "DoD Ammunition and Explosive Safety Standards"; AFMAN 91-201, "Explosives Safety Standards"; and AFI 31-101, "Air Force Installation Security Program".</p> <p>CURRENT SITUATION: Bastion has a small munitions storage area on the West side of the current runway consisting of enclosed and climate-controlled facilities. A</p>				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN			4. PROJECT TITLE EXPAND MUNITIONS STORAGE AREA	
5. PROGRAM ELEMENT  27596	6. CATEGORY CODE  422-271	7. PROJECT NUMBER  CMBA093975	8. PROJECT COST (\$000)  51,000	
<p>number of new air and ground missions (including additional Close Air Support aircraft) plan to beddown at Bastion that will require an increase in munitions/ammunition storage that cannot be met by existing infrastructure. This project is necessary to enable increased force posture in Afghanistan.</p> <p>IMPACT IF NOT PROVIDED: The current MSA will not be able to support munitions storage and operational requirements associated with new missions. Munitions will either not be available or available on an uncertain and limited basis; both options will severely limit the CFACC and ground combat Commanders' options for combat support in Southern and Eastern Afghanistan. Alternatively, any expedient method of storage will require the CFACC and other Commanders to assume unacceptably high levels of risk in storage and operations; any expedient storage method will require significant leeway in security, access, proximity to airfield or base operational areas, and may leave munitions more exposed to the elements, driving a higher rate of failure. Lack of consistent and reliable munitions storage will place ground combat forces (in particular) at risk on the battlefield in the event that they (and/or CAS aircraft) cannot be fully supplied.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility will be designed and built for Joint Use Operations in support of OEF.</p>				

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE EXPAND MUNITIONS STORAGE AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 422-271	7. PROJECT NUMBER CMBA093975	8. PROJECT COST (\$000) 51,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2008			35%
* (d) Date 35% Designed			
(e) Date Design Complete			31-MAR-09
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			2,940
(b) All Other Design Costs			1,470
(c) Total			4,410
(d) Contract			3,750
(e) In-house			660
(4) Construction Contract Award			09 MAY
(5) Construction Start			09 JUL
(6) Construction Completion			11 JUN
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2012 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY			4. PROJECT TITLE CONSTRUCT CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 740-884	7. PROJECT NUMBER VYHK093005	8. PROJECT COST (\$000) 11,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER				7,585
CHILD DEVELOPMENT CENTER	SM	2,500	2,880	( 7,200 )
ANTI-TERRORISM/FORCE PROTECTION	LS			( 250 )
SDD & EP ACT 2005	SM	2,500	54	( 135 )
SUPPORTING FACILITIES				2,530
UTILITIES	LS			( 400 )
PAVEMENTS	LS			( 550 )
SITE IMPROVEMENTS	LS			( 380 )
COMMUNICATION	LS			( 200 )
PASSIVE FORCE PROTECTION	LS			( 1,000 )
SUBTOTAL				10,115
CONTINGENCY (5.0%)				506
TOTAL CONTRACT COST				10,621
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				690
TOTAL REQUEST				11,311
TOTAL REQUEST (ROUNDED)				11,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				( 500.0 )
10. Description of Proposed Construction: Construct a new Child Development Center on Spangdahlem Air Base. The project will include the following: reinforced concrete foundation, floor slab, masonry unit walls with brick exterior finish to match existing facility decor, supporting electrical, plumbing, mechanical, landscaping, site preparation, parking, road, utilities, fire protection, and all other necessary work. This project will be designed and constructed in compliance with DoD and EUCOML anti-terrorism/force protection (AT/FP) standards.				
11. Requirement: 2500 SM Adequate: 0 SM Substandard: 3428 SM				
PROJECT: Construct a Child Development Center. (Current Mission)				
REQUIREMENT: A new Child Development Center (CDC) is required to correct existing Spangdahlem child care deficiencies and increased child care needs resulting from the Bitburg Annex consolidation at Spangdahlem. This project will combine with an existing Spangdahlem CDC to support an end state of 365 children. This project is required to promote child development including cognitive, emotional, physical and social development for military and DoD civilian children ranging from six weeks to six years old. The facility must provide a comfortable, clean and educational environment where personnel can leave their children on an hourly, daily or drop-in basis without worrying about the level or nature of care.				
CURRENT SITUATION: Spangdahlem and the Bitburg Annex support over 340 children with 25 children on the priority waiting list. The Bitburg facility provides care for 160 children. Spangdahlem children are accommodated in two facilities with the newest facility accommodating 76 children. The older facility which currently accommodates 96 children will be removed from CDC use upon completion of this project. Approximately 90 children receive private daycare from 15 licensed daycare providers on Spangdahlem Air Base. The existing Spangdahlem facilities are at capacity and allow sporadic enrollment on a reservation basis, with at least a				

1. COMPONENT AIR FORCE	FY 2012 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		4. PROJECT TITLE CONSTRUCT CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 740-884	7. PROJECT NUMBER VYHK093005	8. PROJECT COST (\$000) 11,400
<p>two week advance notice. Families who are unable to find on-base child care are forced to rely on the local German community which is more expensive and operated by unlicensed providers. Local providers do not have the ability to support shift workers and individuals who work long hours resulting in financial hardship and scheduling difficulties for base personnel.</p> <p>IMPACT IF NOT PROVIDED: It is critical to provide a new CDC at Spangdahlem Air Base to accommodate the Bitburg Annex closure. If this facility is not provided, 160 Bitburg children and the additional 25 children on the wait list will be forced to find alternate child care due to a deficiency in Spangdahlem facilities. The 160 child shortfall cannot be addressed by privately licensed on-base providers since the current 15 providers are at maximum capacity with 90 children. The only option currently available to our personnel is local German daycare providers which are typically more expensive and unlicensed. Additionally, the local daycare providers are unable to support the long and atypical hours worked by Spangdahlem personnel. As the Air Force reduces personnel and continues the war on terrorism, it is critical that our military and civilian personnel are able to focus on their mission without the distractions associated with inadequate child care.</p> <p>ADDITIONAL: This project is not eligible for NATO funding. This project meets the criteria/scope specified in AF Handbook 32-1084, "Facility Requirements". Only one option meets this requirement, therefore a full economic analysis was not completed. (Construct Child Development Center: 2,500 SM = 26,900 SF) Base Civil Engineer: Lt Col Kathryn L. Kolbe, 011-49-6565-61-6302</p> <p>FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .714</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with all other military components; however, it is fully funded by the Air Force.</p>			



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3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		4. PROJECT TITLE CONSTRUCT CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 740-884	7. PROJECT NUMBER VYHK093005	8. PROJECT COST (\$000) 11,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2011			
* (d) Date 35% Designed			
(e) Date Design Complete			
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			0
(b) All Other Design Costs			0
(c) Total			0
(d) Contract			0
(e) In-house			0
(4) Construction Contract Award			
(5) Construction Start			
(6) Construction Completion			
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
OFFICE EQUIPMENT	3400	2010	500

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION AL UDEID AB , QATAR			4. PROJECT TITLE TEMPORARY WEST MUNITIONS STORAGE AREA		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 422-253	7. PROJECT NUMBER ALUA080126	8. PROJECT COST (\$000) 15,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					12,442
EARTHEN STORAGE PADS		CM	61,867	25	( 1,547 )
EARTHEN BERMS		CM	151,378	34	( 5,147 )
GROUNDING WELLS AND SYSTEM		EA	54	2,600	( 140 )
ACCESS ROAD AND MANEUVER AREA		CM	47,000	45	( 2,115 )
FENCING (2M HIGH)		LM	5,821	265	( 1,543 )
FENCING (2.5M HIGH)		LM	5,910	330	( 1,950 )
SUPPORTING FACILITIES					1,381
UTILITIES		LS			( 1,236 )
SITE IMPROVEMENTS		LS			( 145 )
SUBTOTAL					13,823
CONTINGENCY (5.5%)					760
TOTAL CONTRACT COST					14,583
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					948
TOTAL REQUEST					15,531
TOTAL REQUEST (ROUNDED)					15,500
10. Description of Proposed Construction: Construct 27 temporary, earthen-base magazine storage pads with proper grounding. Area grading, clearing and civil works will be accomplished as needed to allow vehicle access and suitable drainage. Security fencing will be constructed in accordance with AFI 31-101: double fencing, with barbed wire on outriggers and vehicle barrier cable.					
11. Requirement: 61867 CM Adequate: 0 CM Substandard: 22698 CM PROJECT: Temporary West Munitions Storage Area (New Mission)  REQUIREMENT: Al Udeid Air Base requires temporary MSA facilities to support 6,000,000 lbs Net Explosive Weight (NEW) munitions, in part, already stored at the base in areas the Host Nation has requested the U.S. vacate for HN construction purposes, and in part additional capacity AFCENT and CENTCOM require to stage within the CENTCOM AOR. As the hub operations, all munitions moving into theatre will transit Al Udeid, so the storage is critical to ensure timely delivery of munitions to meet current and planned operations.  CURRENT SITUATION: Existing munitions pads at Al Udeid Air Base, Qatar, are expeditionary in nature. However, two requirements have arisen which necessitate construction of temporary facilities. First, the current south MSA at Al Udeid, which includes 10 pads, is in an area the HN has requested U.S. forces vacate. Their request, which included a completion date of late 2007 (already past), was intended to vacate space on the base necessary for construction of a parallel runway and taxiway which are critical to future base operations (for both U.S. forces and the HN). The base's storage is filled to capacity and there is no additional space within the theater in which the munitions on the south MSA pads can be relocated. AFCENT is now past the HN's request date, and while the HN has been able to begin site preparation for construction of the runway/taxiway, they continue to request the base vacate the south MSA, and will require the site to be					

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3. INSTALLATION AND LOCATION AL UDEID AB , QATAR		4. PROJECT TITLE TEMPORARY WEST MUNITIONS STORAGE AREA	
5. PROGRAM ELEMENT  27596	6. CATEGORY CODE  422-253	7. PROJECT NUMBER  ALUA080126	8. PROJECT COST (\$000)  15,500
<p>cleared within the next year. The second issue arose in late summer 2007 when the Omani government rescinded their approval of a munitions storage project in their country and AFCENT was forced to re-site the effort to Al Udeid. This project will provide facilities to accommodate both the originally requested scope of the Omani project and the munitions that require relocation from the base's existing south MSA.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, neither of these critical efforts will be met. Existing munitions currently stored at the base's south MSA will either remain in place (in continued violation of the HN's request that the U.S. vacate the site by late 2007, a situation that will eventually stop work on HN construction of a critical parallel runway and taxiway) or will have to be shipped out of theater, reducing ready munitions available for combat missions in the OIF and OEF theaters. In addition, the munitions AFCENT and CENTCOM had planned to stage in theater beginning in mid-2007 will continue to lack storage space in the CENTCOM AOR. Missions for which these munitions were planned will continue to lack the storage and staging space necessary for ready access in theater.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

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5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 422-253	7. PROJECT NUMBER ALUA080126	8. PROJECT COST (\$000) 15,500
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2008			35%
* (d) Date 35% Designed			
(e) Date Design Complete			31-MAR-09
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			840
(b) All Other Design Costs			420
(c) Total			1,260
(d) Contract			1,100
(e) In-house			160
(4) Construction Contract Award			09 MAY
(5) Construction Start			09 JUL
(6) Construction Completion			10 AUG
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE		FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HQ USAF, DISTRICT OF COLUMBIA				4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 91211		6. CATEGORY CODE 102-11	7. PROJECT NUMBER PAYZ090010	8. PROJECT COST (\$000) 13,920		
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITIES						13,920
PLANNING AND DESIGN				LS		( 13,920 )
SUPPORTING FACILITIES						0
SUBTOTAL						13,920
TOTAL CONTRACT COST						13,920
TOTAL REQUEST						13,920
TOTAL REQUEST (ROUNDED)						13,920
10. Description of Proposed Construction: Planning and Design Funds for FY09 GWOT Projects						
11. Requirement:      Adequate:      Substandard:						
PROJECT: As Required						
REQUIREMENT: Planning and Design (P&D) Funds for projects at various AOR CENTCOM (COCOM) locations; also includes P & D funds for Spangdahlem AB, Germany Child Development Center.						

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3. INSTALLATION AND LOCATION HQ USAF, DISTRICT OF COLUMBIA		4. PROJECT TITLE PLANNING AND DESIGN	
5. PROGRAM ELEMENT 91211	6. CATEGORY CODE 102-11	7. PROJECT NUMBER PAYZ090010	8. PROJECT COST (\$000) 13,920
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2008			
* (d) Date 35% Designed			
(e) Date Design Complete			
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			0
(b) All Other Design Costs			0
(c) Total			0
(d) Contract			0
(e) In-house			0
(4) Construction Contract Award			
(5) Construction Start			
(6) Construction Completion			
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			