

**Missile Defense Agency
 FY 2012 Military Construction, Defense-Wide
 (\$ in Thousands)**

<u>State/Installation/Project</u>	<u>Authorization Request</u>	<u>Approp. Request</u>	<u>New/ Current Mission</u>	<u>Page No.</u>
Alabama				
Redstone Arsenal Von Braun Complex, Phase IV	58,800	58,800	C	159
Total	58,800	58,800		

1. COMPONENT MDA		FY 2012 MILITARY CONSTRUCTION PROJECT DATA						2. DATE Feb 2011		
3. INSTALLATION AND LOCATION Redstone Arsenal, Alabama				4. COMMAND Missile Defense Agency				5. AREA CONSTR. COST INDEX 0.83		
6. PERSONNEL STRENGTH: N/A: Tenant of U.S. Army		PERMANENT			STUDENTS			SUPPORTED		
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE					 N/A				
B. INVENTORY TOTAL AS OF					 N/A				
C. AUTHORIZATION NOT YET IN INVENTORY					 0				
D. AUTHORIZATION REQUESTED IN THE FY2012					 58,800				
E. AUTHORIZATION REQUESTED IN THE FY2013					 0				
F. PLANNED IN NEXT THREE PROGRAM YEARS					 0				
G. REMAINING DEFICIENCY					 0				
H. GRAND TOTAL.					 58,800				
8. PROJECTS REQUESTED IN THE FY2005 PROGRAM:										
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS	
610-50		Von Braun Complex Phase IV			20,903 SM		58,800		START COMPLETE AUG 10 JAN 13	
9. FUTURE PROJECTS:										
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)			
10. MISSION OR MAJOR FUNCTIONS: The mission of the Missile Defense Agency is to develop and field an integrated, layered Ballistic Missile Defense System (BMDS) to defend the United States, our deployed forces, allies, and friends against all ranges of enemy ballistic missiles in all phases of flight.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:										
A. Air Pollution:						N/A				
B. Water pollution:						N/A				
C. Occupational safety and health (OSH):						N/A				

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5. PROGRAM ELEMENT 0603890C	6. CATEGORY CODE 610 50	7. PROJECT NUMBER MDA 633	8. PROJECT COST (\$000) 58,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST \$(000)
PRIMARY FACILITIES				\$40,311
Administrative & Support Facility	m2 (SF)	20,903 (225,000)	1,929 179	(40,311)
SUPPORTING FACILITIES				\$10,742
Electric Service	LS			(1,933)
Emergency Generators	LS			(968)
Water, Sewer, Gas, Storm Sewer	LS			(968)
Mechanical Systems	LS			(1,074)
Paving, walks, curbs/gutters	LS			(1,289)
Site Improvement/Demo	LS			(2,041)
Information Systems	LS			(1,826)
Antiterrorism/Force Protection	LS			(645)
ESTIMATED CONTRACT COST				\$51,053
Contingency (5.00%)				2,553
SUBTOTAL				53,606
SIOH (5.70%)				3,056
DESIGN/BUILD DESIGN COST (4.00%)				2,144
TOTAL REQUEST				58,805
ROUNDED REQUEST				\$58,800
INSTALLED EQUIPMENT-OTHER APPROP				\$28,300
10. DESCRIPTION OF PROPOSED CONSTRUCTION: Constructs administrative space on Redstone Arsenal for the Missile Defense Agency (MDA). The project consists of a multi-story reinforced concrete and structural steel building on concrete footings, pre-casted wall panels, and build-up roofs. Required functional areas include administrative space, computer operations, sensitive compartmentalized information facilities, special access areas, meeting rooms, access control, break rooms and storage areas. The facility will be an addition to the existing Von Braun Missile Defense campus on Redstone Arsenal. Also includes mechanical system, electrical-driven chillers, fire pumps, electrical supply and distribution, and standby generators for mission critical loads. Supporting facilities include water, domestic and storm sewers, upgrade of electrical substation, gas and electric services; fire protection and alarms systems; connectivity to telecommunications network and distributed service; parking; sidewalks; street lighting; landscaping; and site improvements. Access for handicapped will be provided. Antiterrorism force protection measures include building standoff distances, structural preventive collapse, laminated glass, lighting, bollards, control gates and berms. Provide comprehensive interior design. LEED Silver certification is a goal for the constructed facility. Air-conditioning is estimated at 1,500 tons.				
11. REQUIRED: MDA 131,416 m2 ADEQUATE: 99,775 m2 SUBSTANDARD: 0 m2 PROJECT: Expand the Von Braun Complex by approximately 850 personnel to support up to 4,844 personnel assigned to MDA. The end position is to house approximately 90% of MDA's Huntsville based workforce in government owned workspace. (Current Mission)				

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<p>11. (Cont.): <u>REQUIREMENT:</u> This project provides additional administrative space on Redstone Arsenal, AL., to facilitate MDA to move personnel out of leased space into government facilities to reduce cost and consolidate operations. Project constructs facilities meeting antiterrorism/force protection standards prescribed in UFC 04-010-01 and in line with the Department of Defense (DoD) objective of reducing its presence in more vulnerable off post facilities. In addition, MDA goal is to reduce operating expenses by housing most of its workforce in government owned facilities.</p> <p><u>CURRENT SITUATION:</u> MDA is constructing more than 3100 spaces on Redstone Arsenal to accommodate BRAC relocation and absorb some of the existing offsite workforce, however a post BRAC MDA Huntsville population of 5382, still leaves more than 1,000 personnel in non-government leased facilities in Huntsville, AL resulting in higher costs and inefficiencies in day to day operations.</p> <p><u>IMPACT IF NOT PROVIDED:</u> MDA personnel will continue to be located in widely separated facilities with minimal antiterrorism/force protection features. Additionally, the organizations will continue to occupy leased space that is more expensive and difficult to support. The House Armed Services Committee approved extension of the major MDA leases in Huntsville through FY15, but directed that MDA demonstrate a plan to end the leases. Consolidation of the MDA workforce on Redstone through this project will satisfy this requirement.</p> <p><u>ADDITIONAL INFORMATION:</u> Cost estimates are based on previous design-build projects and parametric estimates. An environmental assessment for similar actions at the installation was completed in December 2006. This project has been coordinated with the installation physical security plan and includes all physical security measures. An economic analysis has been prepared and utilized in evaluating this project. This project is the most cost-effective method to satisfy the requirement and meets the congressional intent of minimizing MDA leased space. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13123 and other applicable laws and executive orders.</p>																												
<p>12. SUPPLEMENTAL DATA (Design Build Construction):</p> <p>A. Estimated Design Date</p> <p>(1) Status:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">Aug 10</td> </tr> <tr> <td style="padding-left: 20px;">(b) Percent Complete As Of January 2011</td> <td style="text-align: right;">5%</td> </tr> <tr> <td style="padding-left: 20px;">(c) Date 35% Design Complete</td> <td style="text-align: right;">Sep 12</td> </tr> <tr> <td style="padding-left: 20px;">(d) Date Design Complete</td> <td style="text-align: right;">Jan 13</td> </tr> <tr> <td style="padding-left: 20px;">(e) Parametric Cost Estimating Used To Develop Cost</td> <td style="text-align: right;">Yes</td> </tr> <tr> <td style="padding-left: 20px;">(f) Type Of Design Contract</td> <td style="text-align: right;">Design-Build</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard Or Definitive Design</td> <td style="text-align: right;">No</td> </tr> <tr> <td style="padding-left: 20px;">(b) Where Design Was Most Recently Used</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e)</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Production Of Plans And Specifications</td> <td style="text-align: right;">1428</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">431</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total Design Costs</td> <td style="text-align: right;">1859</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">1481</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-House</td> <td style="text-align: right;">378</td> </tr> </table>			(a) Date Design Started	Aug 10	(b) Percent Complete As Of January 2011	5%	(c) Date 35% Design Complete	Sep 12	(d) Date Design Complete	Jan 13	(e) Parametric Cost Estimating Used To Develop Cost	Yes	(f) Type Of Design Contract	Design-Build	(a) Standard Or Definitive Design	No	(b) Where Design Was Most Recently Used	N/A	(a) Production Of Plans And Specifications	1428	(b) All Other Design Costs	431	(c) Total Design Costs	1859	(d) Contract	1481	(e) In-House	378
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