

**MISSILE DEFENSE AGENCY  
 FY 2005 MILITARY CONSTRUCTION, DEFENSE-WIDE  
 (\$ in Thousands)**

<u>State/Installation/Project</u>	<u>Auth. Request</u>	<u>Approp. Request</u>	<u>New/Current Mission</u>	<u>Page No.</u>
<b>Alabama</b>				
Redstone Arsenal MDA Center, Von Braun Complex	19,560	19,560	C	161
<b>Total</b>	19,560	19,560		

<b>1. COMPONENT</b> MDA		<b>FY 2005 MILITARY CONSTRUCTION PROGRAM/FINAL</b>						<b>2. DATE</b> February 2004			
<b>3. INSTALLATION AND LOCATION</b> Redstone Arsenal, Alabama					<b>4. COMMAND</b> Missile Defense Agency			<b>5. AREA CONSTR. COST INDEX</b> 0.85			
<b>6. PERSONNEL</b> STRENGTH: N/A: Tenant of U.S. Army		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
<b>7. INVENTORY DATA (\$000)</b>											
A. TOTAL ACERAGE						..... N/A					
B. INVENTORY TOTAL AS OF						..... N/A					
C. AUTHORIZATION NOT YET IN INVENTORY						..... 20,000					
D. AUTHORIZATION REQUESTED IN THE FY2005						..... 19,560					
E. AUTHORIZATION REQUESTED IN THE FY2006						..... 0					
F. PLANNED IN NEXT THREE PROGRAM YEARS						..... 0					
G. REMAINING DEFICIENCY						..... 0					
H. GRAND TOTAL.						..... 39,560					
<b>8. PROJECTS REQUESTED IN THE FY2005 PROGRAM:</b>											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
CODE										START COMPLETE	
610-50		MDA Center, Von Braun Complex Phase II				24,109 SM (Ph I & II)		19,560		SEP 03 AUG 05	
<b>9. FUTURE PROJECTS:</b>											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)			
CODE											
<b>10. MISSION OR MAJOR FUNCTIONS:</b> The mission of the Missile Defense Agency is to develop and field an integrated Ballistic Missile Defense System capable of providing a layered defense for the homeland, deployed forces, friends and allies against ballistic missiles of all ranges in all phases of flight.											
<b>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</b>											
A. Air Pollution:						N/A					
B. Water pollution:						N/A					
C. Occupational safety and health (OSH):						N/A					

1. COMPONENT MDA		<b>FY 2005 MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE February 2004	
3. INSTALLATION AND LOCATION Redstone Arsenal, Alabama			4. PROJECT TITLE MDA Center, Von Braun Complex Phase II			
5. PROGRAM ELEMENT 0603882C		6. CATEGORY CODE 610 50	7. PROJECT NUMBER MDA 532		8. PROJECT COST (\$000) Auth 19,560 Approp 19,560	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITIES</b>					<b>32,091</b>	
MDA Center		m2(SF)	24,109 (259,511)	1,206.27	(29,082)	
Antiterrorism Force Protection		LS			(1,454)	
Building Information Systems		LS			(1,555)	
<b>SUPPORTING FACILITIES</b>					<b>2,180</b>	
Electric Service		LS			(488)	
Water, Sewer, Gas		LS			(157)	
Paving, Walks, Curbs and Gutters		LS			(604)	
Storm Drainage		LS			(244)	
Site Imp (259) /Demo ( )		LS			(255)	
Information Systems		LS			(382)	
Antiterrorism Force Protection		LS			(50)	
<b>ESTIMATED CONTRACT COST</b>					<b>34,271</b>	
CONTINGENCY PERCENT (5.00%)					<u>1,714</u>	
SUBTOTAL					35,985	
SIOH (5.70%)					2,051	
DESIGN/BUILD - DESIGN COST					<u>1,524</u>	
TOTAL REQUEST					39,560	
INSTALLED EQPT-OTHER APPROP					(7,189)	
<p><b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b> Design-Build a consolidated administration and operations center in the Von Braun Complex to accommodate the relocation and operation of the Missile Defense Agency (MDA) activities in Huntsville, AL. In FY 2004, \$20.0 million was authorized and appropriated for Phase I, MDA Project Number 521. This request is for \$19.56 million in FY 2005. Required functional areas include administrative space, command suite, reception and security, sensitive compartmentalized information facility, special access area, central mail, files area, technical library, telecommunications center, computer operations and secure computer operations center, conference and meeting rooms, training area, break rooms, storage, exhibit area, a cafeteria, restrooms, and mechanical, electrical, and communications support areas. Provide standby generator and uninterruptible power source. Supporting facilities include water, sewer, gas, and electric services; storm drainage; fire protection and alarms systems; telecommunications; roads; parking; sidewalks; street lighting; landscaping; and site improvements. Project includes an 820-ton chilled water system. Access for the handicapped will be provided. Force protection measures include construction to avoid progressive collapse, laminated glass, standoff distances, security lighting, bollards, berms and other control structures.</p>						
<p><b>11. REQUIRED:</b> 24,109 M2      ADEQUATE: NONE      SUBSTANDARD: NONE</p> <p><b>PROJECT:</b> Construct a secure consolidated administration and operations center (MDA Center, Von Braun Complex) to support 969 personnel assigned to the Missile Defense Agency including Ground-Based Missile Defense Joint Program Office (GMD JPO), MDA Targets (TCD), Missile Defense Data Center (MDDC), Analysis and Exploitation Center (AEC), Information Officer (IO) and direct support contractor personnel. (Current Mission)</p>						

DD FORM 1391  
1 DEC 76

PREVIOUS EDITIONS MAY BE USED INTERNALLY  
UNTIL EXHAUSTED

1. COMPONENT  MDA	<b>FY 2005 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE February 2004												
3. INSTALLATION AND LOCATION  Redstone Arsenal, Alabama														
4. PROJECT TITLE  MDA Center, Von Braun Complex Phase II	5. PROJECT NUMBER  MDA 532													
<p><b>REQUIREMENT:</b> This project is required to provide adequate security and force protection, improve efficiency and cohesiveness and eliminate lease costs for commercial properties for sensitive Missile Defense Agency activities by relocating from dispersed off-post commercial facilities into more-secure, efficient facilities on Redstone Arsenal. (Current Mission)</p> <p><b>CURRENT SITUATION:</b> Due to the non-availability of suitable secure facilities on Redstone Arsenal, approximately 1,000 government and contractor personnel assigned to and directly supporting MDA's GMD JPO, TCD, MDDC, AEC, and IO offices, are currently operating from dispersed leased facilities in Huntsville, Alabama. The various facilities provide no structural hardening or security standoff distances to protect personnel from potential terrorist activities. Dispersed location of facilities adversely impact operations and productivity and result in duplication of functions and equipment. The potential for espionage or terrorist acts directed against these activities is increased by their location in the local commercial spaces in lieu of on a secure Army installation. Significant work hours are lost commuting between facility locations. The lease cost and vulnerability to terrorist acts are the most significant reasons for vacating the off-post facilities. Vacating these facilities will provide an annual rental cost reduction and an annual contractor labor cost reduction of approximately \$7.5 million, due to no lease costs and contractor personnel being collocated in government facilities.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, GMD JPO, TCD, MDDC, AEC, and IO offices will continue to operate in a costly and inefficient manner. Operations will remain fragmented with duplicated efforts, reduced productivity, and lower employee morale. Heightened risk to personnel and sensitive programs from operating in the exposed off-post facilities will continue. Requirements to meet "Post-9/11" security and force protection standards will necessitate a costly upgrade to the structural, security standoff, and other perimeter control measures for the current commercial facilities, with a significant increase to the current annual lease costs.</p> <p><b>ADDITIONAL INFORMATION:</b> This project has been coordinated with the installation physical security plan and all required antiterrorism/force protection (AT/FP) measures are included. Cost estimates are based on previous design-build projects and parametric estimates. The collocations of these activities will reduce travel time and increase productivity for many MDA personnel in these organizations. The Von Braun Complex Environmental Assessment was completed February 2001.</p>														
<p><b>12. SUPPLEMENTAL DATA (Design Build Construction):</b></p> <p>A. Estimated Design Date</p> <p>(1) Status:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 40px;">(a) Date Design Started</td> <td style="text-align: right;">Sep 03</td> </tr> <tr> <td style="padding-left: 40px;">(b) Percent Complete As Of January 2004</td> <td style="text-align: right;">2%</td> </tr> <tr> <td style="padding-left: 40px;">(c) Date 35% Design Complete</td> <td style="text-align: right;">Dec 04</td> </tr> <tr> <td style="padding-left: 40px;">(d) Date Design Complete</td> <td style="text-align: right;">Apr 05</td> </tr> <tr> <td style="padding-left: 40px;">(e) Parametric Cost Estimating Used To Develop Cost</td> <td style="text-align: right;">Yes</td> </tr> <tr> <td style="padding-left: 40px;">(f) Type Of Design Contract</td> <td style="text-align: right;">Design/Build</td> </tr> </table>			(a) Date Design Started	Sep 03	(b) Percent Complete As Of January 2004	2%	(c) Date 35% Design Complete	Dec 04	(d) Date Design Complete	Apr 05	(e) Parametric Cost Estimating Used To Develop Cost	Yes	(f) Type Of Design Contract	Design/Build
(a) Date Design Started	Sep 03													
(b) Percent Complete As Of January 2004	2%													
(c) Date 35% Design Complete	Dec 04													
(d) Date Design Complete	Apr 05													
(e) Parametric Cost Estimating Used To Develop Cost	Yes													
(f) Type Of Design Contract	Design/Build													

1 DEC 76

UNTIL EXHAUSTED

1. COMPONENT MDA	<b>FY 2005 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE February 2004																						
3. INSTALLATION AND LOCATION Redstone Arsenal, Alabama																								
4. PROJECT TITLE MDA Center, Von Braun Complex Phase II	5. PROJECT NUMBER MDA 532																							
<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;">870</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">0</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total Design Costs</td> <td style="text-align: right;">870</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">0</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-House</td> <td style="text-align: right;">870</td> </tr> </table> <p>(4) Contract Award <span style="float: right;">Oct 04</span></p> <p>(5) Construction Start <span style="float: right;">Jun 05</span></p> <p>(6) Construction Completion <span style="float: right;">Jan 07</span></p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="0" style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Furnishings/Comm Equipment</td> <td>RDT&amp;E</td> <td>2006</td> <td>7,189</td> </tr> </tbody> </table>			(a) Standard Or Definitive Design	No	(b) Where Design Was Most Recently Used	N/A	(a) Production Of Plans And Specifications	870	(b) All Other Design Costs	0	(c) Total Design Costs	870	(d) Contract	0	(e) In-House	870	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	Furnishings/Comm Equipment	RDT&E	2006	7,189
(a) Standard Or Definitive Design	No																							
(b) Where Design Was Most Recently Used	N/A																							
(a) Production Of Plans And Specifications	870																							
(b) All Other Design Costs	0																							
(c) Total Design Costs	870																							
(d) Contract	0																							
(e) In-House	870																							
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>																					
Furnishings/Comm Equipment	RDT&E	2006	7,189																					

1 DEC 76

UNTIL EXHAUSTED



