MISSILE DEFENSE AGENCY
FY 2003 MILITARY CONSTRUCTION PROJECT SUMMARY
($ in Thousands)

State/Country/Installation/Project	Authorization Request	Approp. Request	New/ Current Mission	Page No.
Hawaii				
Pacific Missile Range Facility				
THAAD Test Facilities	23,400	23,400	N	101
TOTAL	**23,400**	**23,400**		

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROGRAM/FINAL	2. DATE
MDA		February 2002

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
Pacific Missile Range Facility, Kauai, Hawaii	MISSILE DEFENSE AGENCY	1.69

6. PERSONNEL

STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	TOTAL
A. AS OF 12/12/01	20	84	129*						48	281*
B. END N/A										

* additional 519 permanent contractor personnel and 22 supported contractor

7. INVENTORY DATA ($000)

A. TOTAL AREA	0 ha	.....	(0 AC)
B. INVENTORY TOTAL AS OF		.....	N/A
C. AUTHORIZATION NOT YET IN INVENTORY		.....	N/A
D. AUTHORIZATION REQUESTED IN THE FY2003		.....	23,400
E. AUTHORIZATION REQUESTED IN THE FY2004		.....	
F. PLANNED IN NEXT THREE PROGRAM YEARS		.....	
G. REMAINING DEFICIENCY		.....	0
H. GRAND TOTAL			23,400

8. PROJECTS REQUESTED IN THE FY2003 PROGRAM:

CATEGORY CODE	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
312-20	THAAD PMRF Test Facilities	23,400	JUN 01	Aug 02

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

10. MISSION OR MAJOR FUNCTIONS: Provide integrated range services in a modern, multi-threat, multi-dimensional environment, which ensures the safe conduct and evaluation of both training, and test and evaluation missions. Deliver quality data products to improve customer's ability to achieve readiness and other National Defense objectives

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

A. Air Pollution:	0
B. Water pollution:	0
C. Occupational safety and health (OSH):	0

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3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Pacific Missile Range Facility, Kauai, Hawaii	THAAD Test Facilities

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0604861C	312-20	MDA 464	23,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				13,400
Launcher Hardstand	m2 (SF)	2,090	243 (22.58)	(510)
Blockhouse	m2 (SF)	(22,500)	5179 (481.14)	(1300)
Power Plant for Blockhouse	LS	251		(670)
Radar Hardstand	m2 (SF)	(2,700)	184 (17.09)	(1840)
Power Plant for Radar	EA		3000	(6000)
CLS Maintenance & Launcher Support Building	m2 (SF)	10,000 (107,600) 2	3220 (298.18)	(1640)
Central Support Facility	m2 (SF)	510	1724 (160.00)	(1120)
Technical Operating Manuals	LS	(5,500)		(180)
AT/FP Threat Specific Measures	LS			(60)
Archeological Monitoring	LS	650 (7,000)		(80)
SUPPORTING FACILITIES				7,480
Electric Utilities	LS			(2450)
Water, Sewer, Gas	LS			(720)
Site Imp (4,220) Demo ( )	LS			(4220)
Paving, Walks, Curbs and Gutters	LS			(90)
ESTIMATED CONTRACT COST				20,920
CONTINGENCY PERCENT (5.0%)				1,050
SUBTOTAL				21,970
SUPERVISION, INSPECTION & OVERHEAD (6.5 %)				1,430
TOTAL REQUEST				23,400
TOTAL REQUEST (ROUNDED)				23,400
INSTALLED EQPT-OTHER APPROPRIATIONS				(500)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

Construct hardstands for the Theater High Altitude Area Defense (THAAD) launcher & radar; a one-story, concrete blockhouse; a one-story Contractor Logistic Support (CLS) Maintenance & Launcher Support building; & a one-story Central Support Facility to accommodate 50 personnel. The reinforced concrete launcher hardstand will include secondary containment, security fencing, lightning protection, area lighting, electrical power outlets, communication cabling, and antenna tower. The crushed aggregate radar hardstand will include security fencing, electrical power plant with two 2 MW generators, crushed aggregate hardstand for four equipment trailers with two 30 KVA uninterrupted power supply and antenna tower. The reinforced concrete blockhouse will include fire protection, air conditioning, a 200 KVA UPS and utilities. The new support buildings will be constructed with steel framed metal wall panels/roof, concrete floor/foundation, and will include fire protection system, air conditioning, parking, security fencing, utilities, and landscaping. The CLS Maintenance facility will also have a high bay with an overhead bridge crane. Construction of this project will provide anti-terrorism/force protection (AT/FP)/physical security, & Technical Operating Manuals will be provided.

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MDA		February 2002

3. INSTALLATION AND LOCATION
Pacific Missile Range Facility, Kauai, Hawaii

4. PROJECT TITLE	5. PROJECT NUMBER
THAAD Test Facilities	MDA 464

11.REQUIREMENT: 1 EA ADQT: NONE SUBSTD: NONE

PROJECT: Construct a new launch site with blockhouse, radar site, maintenance support facility, and central support facility to support the Theater Missile Defense (TMD) Theater High Altitude Area Defense (THAAD) missile engineering and manufacturing development (EMD) tests at PMRF. (New Mission)

REQUIREMENT: The THAAD program requires adequate launch, radar, and support facilities for long range testing at PMRF to demonstrate their system capability and support developmental and EMD tests. PMRF has the over-water range supported by appropriate facilities required to demonstrate the THAAD system's required capability.

CURRENT SITUATION: Complete EMD testing on the THAAD System cannot be accomplished at existing short-range over-land ranges. The over-water-range at PMRF offers greater missile and target range and range safety. It can satisfy the long-range high altitude test requirements necessary for the THAAD EMD Testing. PMRF has existing facilities that can be used on a time-sharing basis for a de-contamination facility, de-arming facility, Ground Test Unit storage, THAAD missile storage, suspect missile holding area, and THAAD project room. No facilities at PMRF exist which can be used to satisfy the THAAD program requirements. Therefore, new construction must be provided for the launcher hardstand, blockhouse, radar hardstand, CLS maintenance and launcher support building, and the Central Support Facility.

IMPACT IF NOT PROVIDED: If this project is not provided, realistic testing and operational checkout of the TMD THAAD system cannot be accomplished. Failure to provide this project will delay THAAD EMD testing resulting in significant cost impacts to this program. The THAAD System reliability cannot be fully assessed, testing and operational check out will be compromised, and the need for system improvements will not be identified. This would delay deployment of the system, which could be detrimental to the defense of the United States.

ADDITIONAL INFORMATION: This project has been coordinated with the installation physical security plan, and all required physical security and/or combating terrorism (CBT/T) measures are being included. Environmental analysis is being accomplished. Project specific environmental documentation is being prepared.

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THAAD Test Facilities	MDA 464

(continued)

12. Supplemental Data:

TAB B - PLANNING AND DESIGN DATA (ESTIMATE)

1. STATUS	
A. DESIGN START DATE.	JUN 2001
B. 30% COMPLETE AS OF.	JAN 2001
C. 60% COMPLETE AS OF	MAR 2002
D. 90% COMPLETE AS OF	JUN 2002
E. CONCEPT COMPLETE DATE	JAN 2002
F. DESIGN COMPLETE DATE.	AUG 2002
G. TYPE OF DESIGN CONTRACT: DESIGN/BID/BUILD	
2. BASIS	
A. STANDARD OR DEFINITIVE DESIGN (YES/NO)	NO
B. WHERE DESIGN WAS MOST RECENTLY USED:	
3. COST (TOTAL $000)	
A. PRODUCTION OF PLANS AND SPECS	1,472
B. ALL OTHER DESIGN COST	828
C. TOTAL DESIGN COST (C) = (A)+(B) OR (D)+(E)..	2,300
D. CONTRACT.	1,840
E. IN HOUSE	460
4. CONSTRUCTION CONTRACT AWARD	JAN 2003
5. CONSTRUCTION START DATE (PLANNED).	APR 2003
6. CONSTRUCTION COMPLETION DATE	JUN 2004