

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 18 FEB 2004
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3. Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE	4. Project Title PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY
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5. Program Element 0805376N	6. Category Code 31125	7. Project Number P159	8. Project Cost (\$000) 80,000
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**9. COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY (195,298 SF)	m2	18,143.76		52550
AIR OPERATIONS CONTROL TOWER (6,997 SF)	m2	650	6,507.00	(4230)
RESEARCH AND DEVELOPMENT HANGAR (121,088 SF)	m2	11,249.4	2,088.36	(23490)
IPT & ITT OFFICE SPACES (38,964 SF)	m2	3,619.85	1,545.08	(5590)
LAB SPACES (28,250 SF)	m2	2,624.51	2,373.95	(6230)
BUILT-IN EQUIPMENT	LS			(6710)
TECHNICAL OPERATING MANUALS	LS			(520)
INFORMATION SYSTEMS	LS			(1620)
ANTI-TERRORISM/FORCE PROTECTION	LS			(4160)
SUPPORTING FACILITIES				39360
SPECIAL CONSTRUCTION FEATURES	LS			(9530)
SPECIAL FOUNDATION FEATURES	LS			(3510)
ELECTRICAL UTILITIES	LS			(2090)
MECHANICAL UTILITIES	LS			(5680)
PAVING AND SITE IMPROVEMENTS	LS			(8850)
DEMOLITION	LS			(1270)
AIRFIELD TOWER RELOCATION	LS			(5290)
BONDED STORAGE FACILITY	LS			(240)
HAZARDOUS MATERIAL BUILDING	LS			(280)
PAINT FACILITY	LS			(2440)
SECURITY FACILITY	LS			(180)
SUBTOTAL				91910
CONTINGENCY (5%)				4600
TOTAL CONTRACT COST				96510
SIOH (6%)				5790
SUBTOTAL				102300
DESIGN/BUILD - DESIGN COST				3680
LESS INCREMENT II FUNDING	LS			-25982
TOTAL REQUEST ROUNDED				79998
TOTAL REQUEST				80000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4500)

**10. Description of Proposed Construction**

This project shall construct an eight-bay hangar for Presidential Helicopter Development, Test, and Support to include spaces for engineering and testing, labs, maintenance, program office, security facility, hazardous material facility, control tower, Secure Compartmented Information Facility (SCIF), paint facility, bonded storage facility, flight equipment, wash rack and storage. Construction for hangar consists of pile foundation, structural floors, concrete masonry and insulated metal panel walls, sliding

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hangar doors, steel truss roof structure, and insulated roof system. Interior system requirements include bridge crane, aircraft scale, AFFF (Aqueous Film Forming Foam) sprinkler, oil/water separator, 400 Hz power, infrared heating, emergency power, security fencing, intrusion detection, and information systems. Additional items include electrical, elevators, computer flooring, mechanical, lab cooling units, heating, ventilation and air conditioning (HVAC). Site improvements include utility extensions, aircraft apron, vehicle parking and roadways, sidewalks and landscaping. The construction of this project will include counter-terrorism measures in compliance with the minimum construction standards. This project also includes water, sanitary sewer, electrical uninterrupted power supply (UPS), communication cables and information cables housed in concrete ducts.

**11. Requirement:**      18144m2                      **Adequate:**                      0m2                      **Substandard:**                      0m2

**PROJECT:**

This project will construct a facility to house the Presidential helicopter support mission and support facilities.

**(New Mission)**

**REQUIREMENT:**

Adequate facilities are required to support the Presidential helicopter mission, which includes system development, test and evaluation of the next generation replacement aircraft, as well as engineering, logistics and maintenance support of in-service aircraft.

At the request of the White House and the Office of Management and Budget, the Under Secretary of Defense (Acquisition, Technology and Logistics) and the Assistant Secretary of the Navy (Research, Development and Acquisition) have directed the development of a new VXX Presidential support helicopter to replace the current VH fleet. Combined with the on-going engineering efforts associated with the in-service VH fleet, the rapid VXX program acceleration will require a substantial Presidential support test and evaluation effort and footprint. With the VXX development scheduled to occur in increments over time, there will be an extended period during which both the in-service fleet engineering efforts as well as the incremental VXX development efforts will be required, with a standing requirement for the long-term life-cycle engineering, logistics, and maintenance support of the Presidential fleet.

Studies are currently underway to compare VXX requirements for hangar space, administrative facilities, and air space with available assets at Department of Defense facilities in the National Capital Region. The results of these studies will determine

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the most cost effective means to provide facility support for the VXX program.

**CURRENT SITUATION:**

Government and industry efforts to provide program, research and development, test, evaluation, maintenance and logistics for the development and life-cycle support of the Presidential Helicopter Mission are currently located in Stratford, CT, and NAS Patuxent River, MD. Additionally, existing facilities at NAS Patuxent River, MD, capable of meeting the new Presidential support mission requirements are either occupied or obligated for other aircraft programs. The Presidential Helicopter Mission envisions an integrated development, test and support facility that avoids the current geographic separation of Presidential Helicopter mission functions and facilities.

**IMPACT IF NOT PROVIDED:**

If the proposed facilities are not constructed, there will be an increased risk of failing to meet the initial operating capability date directed by the White House, the Office of Management and Budget, the Under Secretary of Defense (Acquisition, Technology and Logistics), and the Assistant Secretary of the Navy (Research, Development and Acquisition).

**12. Supplemental Data:**

A. Estimated Design Data:

1. Status:

(A) Date Design Start	122003
(B) Date Design 35% Complete	052004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2003	0%
(E) Percent Completed as of JANUARY 2004	2%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	Yes
(B) Where Design Was Most Recently Used:	Hangar 2133

3. Total Cost (C) = (A) + (B) = (D) + (E) : \$4,220

(A) Production of Plans and Specifications	\$3,165
(B) All other Design Costs	\$1,055
(C) Total	\$4,220
(D) Contract	\$1,055
(E) In-House	\$3,165

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4. Contract Award		112004		
5. Construction Start		042005		
6. Construction Complete		042006		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>		<u>Cost</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>		<u>(\$000)</u>
		<u>Or Requested</u>		
Interior Wiring	OPN	2006		1,000
SIPRNET/JWICS	OPN	2006		1,000
NMCI	OPN	2006		1,000
Interior Security (ADT)	OPN	2006		1,500
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.				
Activity POC: Colonel Frank Mazur		Phone No: (301) 757-5782		