

1. Component NAVY	FY 2005 MILITARY CONSTRUCTION PROGRAM	2. Date 18 FEB 2004
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3. Installation and Location/UIC: M45366 INSPECTOR/INSTRUCTOR STAFF COMBAT SUPPORT U JACKSONVILLE, FLORIDA	4. Project Title RESERVE TRAINING CENTER
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5. Program Element 0505096M	6. Category Code 17115	7. Project Number P532	8. Project Cost (\$000) 9,300
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9. COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost(\$000)
RESERVE TRAINING CENTER (42,830 SF)	m2	3,979		6500
TRAINING CENTER (35,973 SF)	m2	3,342	1,238.64	(4140)
VEHICLE MAINTENANCE FACILITY (6,857 SF)	m2	637	1,744.06	(1110)
BUILT-IN EQUIPMENT	LS			(270)
TECHNICAL OPERATING MANUALS	LS			(60)
INFORMATION SYSTEMS	LS			(30)
ANTI-TERRORISM/FORCE PROTECTION	LS			(150)
SPECIAL COSTS	LS			(740)
SUPPORTING FACILITIES				1570
ELECTRICAL UTILITIES	LS			(170)
MECHANICAL UTILITIES	LS			(290)
PAVING AND SITE IMPROVEMENTS	LS			(820)
DEMOLITION	LS			(140)
WETLAND MITIGATION	LS			(150)
SUBTOTAL				8070
CONTINGENCY (5%)				400
TOTAL CONTRACT COST				8470
SIOH (6%)				510
SUBTOTAL				8980
DESIGN/BUILD - DESIGN COST				320
TOTAL REQUEST ROUNDED				9300
TOTAL REQUEST				9300

10. Description of Proposed Construction

The reserve training building will be a one-story steel framed structure with concrete foundation, concrete floor, masonry walls, sloped roofing system, fire protection system, heating, ventilation, and air conditioning systems, weapons storage area, staging areas, classrooms, locker and shower rooms, workshops, and electrical and mechanical utilities. The vehicle maintenance building will be a one-story steel framed structure with concrete foundation, concrete floor, masonry walls, sloped roofing, high bay compartments, tool room, parts room, conditioned office spaces, restrooms, storage, heating, ventilation and electrical and mechanical utilities. Built-in equipment for this project includes a 9.5 ton bridge crane, direct digital control (DDC), bleachers, lockers, compressed air system, bay exhaust system, and a lube oil system. Special costs include a fire protection system, sustainable design, and crane structural support. Construction will also include security lighting and perimeter fencing, coiling overhead doors, and sloped metal roofing system supported by metal columns. Paving will include a concrete combat vehicle parking area, asphalt privately owned vehicle (POV) parking and supporting roads. The construction and siting will comply with DoD Anti-terrorism and Force Protection standards. All incidental electrical and mechanical requirements are to be included in construction. Demolish existing vehicle maintenance facility (7,358 square feet) and associated utilities.

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11.Requirement: <u>3979m2</u> Adequate: <u>0m2</u> Substandard: <u>3979m2</u>				
PROJECT:				
This project constructs a Marine Corps Reserve Training Center and Vehicle Maintenance Facility for Company 'B', 4th Assault Amphibian Battalion.				
(Current Mission)				
REQUIREMENT:				
Currently, Company 'B' is located in two different facilities 25 miles apart. The existing administrative and classroom facilities for the Reserve Center are located in the Armed Forces Reserve Center (AFRC) at the Naval Air Station Jacksonville, FL. The remainder of the facilities, the Vehicle Maintenance Facility (VMF) and tactical vehicle parking, are located near the Naval Fuel Depot in Jacksonville. This project will build the new facilities at a site adjacent to the existing Vehicle Maintenance Facility, thereby consolidating the unit at one location and providing an adequate VMF that accommodates the Advanced Amphibious Assault Vehicle (AAAV). The mission of Company B is to land the surface assault elements of a landing force, including equipment, in a single lift from assault shipping during amphibious operations and to conduct mechanized operations and related combat support in subsequent operations ashore. The training required to accomplish this mission will be conducted at this Reserve Training Center and includes: Military Occupational Specialty Training, battle skills and essential subjects training, inspection preparation and Assault Amphibious Vehicle (AAV) operational training. This AAV training includes mechanized Operations, Gunnery, Surf operations and surf survival. Company B is also responsible for Vehicle Maintenance functions for the AAVs. To adequately train for its mission, Company B requires adequate and efficiently configured facilities.				
CURRENT SITUATION:				
The existing facilities are located on two sites approximately 25 miles apart. The administrative, locker, supply and classroom areas are located in the Armed Forces Reserve Center on NAS Jacksonville, FL. The Vehicle Maintenance, wash rack and tactical vehicle parking areas are located on 110 acres of Marine Corps owned property in Northern Jacksonville near the Naval Fuel Depot. The VMF site has training trails and a splash point for water operations and is ideally suited for training reservists on the AAV and the next generation assault amphibious vehicle, the AAAV; however, the existing VMF is undersized, rife with safety problems, and inefficient to sustain the unit's maintenance program. In addition to the problems associated with a split location, the administrative and training functions of Company B currently located in the AFRC do not have adequate space to conduct all classroom training of reservists. The AFRC is heavily used by 28 reserve units and cannot adequately support Company B during drill weekends. Use of the AFRC classrooms, drill hall and other joint use facilities must be scheduled well in advance; there is little flexibility to deal with conditions such as inclement weather which can impact the training schedule. The lack of classroom space has made it				

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necessary to routinely conduct classroom training for weapons, tactics and basic skills outdoors; during inclement weather, this training is conducted in the maintenance bays of the VMF. Because classroom facilities are not available, audio visual aids cannot be used for these classes. In addition to the inadequate classroom facilities, the fact Company B is not located at one site is a logistics problem for both the active duty and reserve personnel. The 25 mile one-way commute between sites can take up to an hour one way, expending valuable training time and complicating coordination of training, administrative, and maintenance requirements. Co-locating the Administrative and classroom functions with the VMF would significantly improve Company B's ability to accomplish its mission by: reducing the amount of time spent in transit for both active duty and reservists; improving unit cohesiveness; providing more time for training; improving the ability of the senior staff and active duty personnel to oversee both facilities.

IMPACT IF NOT PROVIDED:

There will continue to be adverse impacts on Company B's ability to adequately train and retain reservists. Company B will continue to spend operating funds and man-hours intended for training on the commute between sites; reservists will continue to spend valuable training time commuting between the classrooms/armory and the AAVs at the Vehicle Maintenance Facility. As the Jacksonville area grows and traffic volume increases, the time spent in commute will also increase and the situation will worsen with more funds spent on commuting and less time spent training. Moreover, the next generation assault amphibious vehicle, the Advanced Amphibious Assault Vehicle, cannot be accommodated in the existing VMF.

12. Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	092004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2003	3%
(E) Percent Completed as of JANUARY 2004	3%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	No

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A

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3. Total Cost (C) = (A) + (B) = (D) + (E) : (A) Production of Plans and Specifications \$250 (B) All other Design Costs \$50 (C) Total \$300 (D) Contract \$50 (E) In-House \$250 4. Contract Award 012005 5. Construction Start 042005 6. Construction Complete 082006			
B. Equipment associated with this project which will be provided from other appropriations: None			
JOINT USE CERTIFICATION: The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. The State Joint Services Reserve Component Facilities Board has reviewed this project for joint use potential. That board determined that unilateral construction was the best alternative to support this mission.			
Activity POC: Captain Brian Briggs		Phone No: (504) 678-5749	