

Department of the Navy

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**FY 1994/FY 1995
BIENNIAL
BUDGET ESTIMATES**

**MILITARY CONSTRUCTION
PROGRAM**

FY 1994

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**SUBMITTED TO OSD
SEPTEMBER 1992**

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

SUMMARY

PROGRAM BUDGET DECISION	TITLE	APPROP. REQUEST (\$000)
301	OPERATION AND TRAINING FACILITIES	175,990
	OPERATION FACILITIES	(131,630)
	TRAINING FACILITIES	(44,340)
302	MAINTENANCE AND PRODUCTION FACILITIES	21,380
303	RESEARCH, DEVELOPMENT, AND TEST FACILITIES	20,500
304	SUPPLY FACILITIES	44,210
306	ADMINISTRATIVE FACILITIES	6,700
307	BACHELOR HOUSING FACILITIES	139,340
308	COMMUNITY FACILITIES	25,570
309	UTILITIES AND GROUND IMPROVEMENTS, REAL ESTATE AND ACCESS ROADS	72,250
	UTILITIES AND GROUND IMPROVEMENTS	(69,900)
	REAL ESTATE	(1,350)
	ACCESS ROADS	(1,000)
310	POLLUTION ABATEMENT FACILITIES	135,630
314	ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN	70,182
315	UNSPECIFIED MINOR CONSTRUCTION	656,750
333	SPECIAL ACTIVITIES, AIR FORCE	72,100
	TOTAL REQUEST	1,440,612

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DEPARTMENT OF THE NAVY
FY 1994/1995 BIENNIAL MILITARY CONSTRUCTION PROGRAM

SPECIAL PROGRAM CONSIDERATIONS

POLLUTION ABATEMENT:

The military construction projects in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at Naval and Marine Corps installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

ENERGY CONSERVATION:

The military construction projects proposed in this program will be designed for minimum energy consumption.

FLOORPLAIN MANAGEMENT AND WETLANDS PROTECTION:

Proposed land acquisition, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL:

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PRESERVATION OF HISTORICAL SITES AND STRUCTURES:

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

PLANNING IN THE NATIONAL CAPITAL REGION:

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the commission's annual review of the Future Years Defense Program (FYDP). Construction projects within the District of Columbia, with the exception of the Bolling/Anacostia area, are submitted to the Commission for approval prior to the start of construction.

DEPARTMENT OF THE NAVY
FY 1994/1995 BIENNIAL MILITARY CONSTRUCTION PROGRAM

SPECIAL PROGRAM CONSIDERATIONS
(Continued)

ENVIRONMENTAL PROTECTION:

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (Public Law 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the military construction program.

ECONOMIC ANALYSIS:

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a primary economic analysis was prepared and the results indicated on the DD Form 1391.

CONSTRUCTION CRITERIA MANUAL:

Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide".

DEFENSE BUSINESS OPERATIONS FUND (DBOF):

In accordance with established policies and procedures for incorporating base operations support into the Defense Business Operations Fund (DBOF), all of the activities in this military construction program are included in DBOF except the following:

<u>Proj Nr.</u>	<u>Activity/Location</u>	<u>Project Title</u>	<u>Cost (\$000)</u>
136	NSA Naples, Italy	Quality of Life Facilities (Increment I)	\$11,900
744	NS Rota, Spain	Child Development Center	2,700
739	NAS Sigonella, Italy	Child Development Center	3,500
601	Various Locations	Equipment Storage and Maintenance Building	1,350
610	Various Locations	Wastewater Collection and Treatment System	3,300
094	Various Locations	Host Nation Infrastructure Support	3,000
064	NSGA Edzell, Scotland	Classic Wizard Facilities Upgrade	2,600
181	Various Locations	Classic Wizard Addition	62,000

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 301

OPERATION AND TRAINING FACILITIES

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
<u>OPERATION FACILITIES</u>					
116.10	159	NAVAL AIR STATION, JACKSONVILLE, FLORIDA	HELICOPTER WASH AND RINSE FACILITY	620	70
131.42	013	MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	COMMUNICATIONS CENTER	5,000	5
133.72	606	MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA	RADAR AIR TRAFFIC CONTROL FACILITY ADDITION	3,900	7
133.72	623	NAVAL AIR STATION, PENSACOLA, FLORIDA	RADAR AIR TRAFFIC CONTROL CENTER	1,540	9
137.10	001P	NAVAL OCEANOGRAPHY COMMAND CENTER, GUAM	OCEANOGRAPHY BUILDING ALTERATIONS	600	70
141.70	053	NAVAL AIR STATION, ALAMEDA, CALIFORNIA	CONTROL TOWER COMPLEX	4,700	11
143.11	955	NAVAL WEAPONS STATION, EARLE, NEW JERSEY	MATERIALS HANDLING EQUIPMENT SERVICE CENTER ALTERS	420	70
143.20	393P	NAVAL STATION, GUAM	EXPLOSIVE ORDNANCE DISPOSAL OPERATIONS FACILITY	12,700	15
143.45	712	MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	ARMORY	480	71
143.45	494	MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	ARMORY	3,400	17
143.47	970	NAVAL WEAPONS STATION, EARLE, NEW JERSEY	REACTION FORCE FACILITY	2,300	19
148.25	913	NAVAL WEAPONS STATION, EARLE, NEW JERSEY	EXPLOSIVES TRUCK HOLDING YARD	1,300	21
151.10	952	NAVAL WEAPONS STATION, EARLE, NEW JERSEY	PIER EXTENSION (PHASE I)	13,700	23
151.20	841	NAVAL INACTIVE SHIP MAINTENANCE FACILITY, PEARL HARBOR, HAWAII	INACTIVE SHIPS PIER	2,650	27
151.20	422	COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII	BERTHING PIER	17,000	29
152.20	117	NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII	GENERAL PURPOSE BERTHING WHARF	26,300	33
152.20	588	NAVAL INACTIVE SHIP MAINTENANCE FACILITY, PHILADELPHIA, PENNSYLVANIA	BERTHING WHARF IMPROVEMENTS (INCREMENT II)	8,770	35
164.10	202	NAVAL STATION, EVERETT, WASHINGTON	BREAKWATER	22,500	39
164.30	445	NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	DIKES	3,770	41
SUBTOTAL - OPERATION FACILITIES				131,650	
<u>TRAINING FACILITIES</u>					
171.10	831	NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, VIRGINIA	ACADEMIC INSTRUCTION COMPLEX	2,350	43
171.10	505	MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	ACADEMIC INSTRUCTION BUILDING ADDITION	600	71
171.20	950	NAVAL AIR STATION, BARBERS POINT, HAWAII	CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY	2,400	45
171.20	957	NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY	1,200	47
171.20	043	MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	AIRCRAFT MAINTENANCE TRAINING FACILITY	4,100	49
171.20	950	NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY	2,400	51
171.20	568	NAVAL AIR STATION, PENSACOLA, FLORIDA	WATER SURVIVAL TRAINING FACILITY	4,600	53
171.35	071	MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	OPERATIONAL TRAINER FACILITY	3,850	55
171.35	292	NAVAL AIR STATION, MEMPHIS, TENNESSEE	FUELS TRAINER FACILITY	600	71
171.50	836	NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, VIRGINIA	INDOOR RANGE COMPLEX	3,100	57

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 301

OPERATION AND TRAINING FACILITIES

PROJECT NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
<u>TRAINING FACILITIES</u>				
.30 949	MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	MULTI-PURPOSE TRAINING RANGE	5,600	59
.40 547	MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	AUTOMATED FIELD FIRING RANGE	1,350	61
.40 409	MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	ANTI-ARMOR TRACKING AND LIVE FIRE RANGE	3,970	63
.40 506	MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	ANTI-ARMOR TRACKING RANGE MODERNIZATION	4,300	65
.45 501	TRIDENT TRAINING FACILITY, KINGS BAY, GEORGIA	FIRE FIGHTING TRAINING FACILITY	3,920	67
TOTAL - TRAINING FACILITIES			44,340	
AL - OPERATION AND TRAINING FACILITIES			175,990	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: MO0146 MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA			4. PROJECT TITLE COMMUNICATIONS CENTER	
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 131.42	7. PROJECT NUMBER P-013	8. PROJECT COST (\$000) 5,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMMUNICATIONS CENTER.	SF	21,420	-	3,590
BUILDING.	SF	21,420	165.00	(3,530)
BUILDING CONVERSION.	LS	-	-	(60)
SUPPORTING FACILITIES.	-	-	-	900
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(230)
UTILITIES.	LS	-	-	(410)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(260)
SUBTOTAL.	-	-	-	4,490
CONTINGENCY (5.0%).	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,720
SUPERVISION, INSPECTION & OVERHEAD (6.0%).	-	-	-	280
TOTAL REQUEST.	-	-	-	5,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(6,400)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story reinforced concrete and masonry building, pile foundation, brick veneer exterior, built-up roof, raised flooring, air conditioning, elevator, utilities, telephone cable vault and duct bank, lightning protection, fire protection system, and conversion of existing space to administrative space.				
11. REQUIREMENT: <u>21,420 SF</u> ADEQUATE: <u>Q</u> SF SUBSTANDARD: <u>Q</u> SF <u>PROJECT:</u> Provides a facility to accommodate the communications center and telephone exchange. (Current mission.) <u>REQUIREMENT:</u> Adequate and properly-configured facilities to house communications and telephone exchange equipment. This station's communications center conducts message processing, transmission, reproduction, distribution, and assistance in message preparation. To meet communications requirements, new computers and message processing equipment are being procured for delivery in FY 1995. In addition, the telephone exchange requires space to house a new digital telephone switching system being procured in FY 1994, which is approximately twice as large as the old switch. <u>CURRENT SITUATION:</u> The communications center is located in a forty-five year old, badly deteriorated facility. Expansion is not possible in the existing facility because of overcrowding. The existing data link lines are insufficient and need to be upgraded to maximize the capabilities of the new equipment. The telephone exchange is located in a facility which cannot physically accommodate the new digital telephone switching system. <u>IMPACT IF NOT PROVIDED:</u> New computers, message processing, and telephone switching equipment cannot be installed. The efficiency and effectiveness of the communications center will continue to be impaired by the overcrowded and inadequate facilities.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M67604 MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA			4. PROJECT TITLE RADAR AIR TRAFFIC CONTROL FACILITY ADDITION	
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 133.72	7. PROJECT NUMBER P-606	8. PROJECT COST (\$000) 3,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
RADAR AIR TRAFFIC CONTROL FACILITY ADDITION. .	SF	17,110	-	2,560
BUILDING ADDITION.	SF	12,650	160.00	(2,020)
BUILDING MODIFICATIONS	SF	4,460	81.00	(360)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES.	-	-	-	940
UTILITIES.	LS	-	-	(650)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(290)
SUBTOTAL	-	-	-	3,500
CONTINGENCY (5.0%).	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,680
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	220
TOTAL REQUEST.	-	-	-	3,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)(	1,000)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story concrete and masonry addition on concrete slab, built-up roof, air conditioning, sound attenuation, raised computer flooring, utilities, fire protection system, elevator, emergency generator, paved equipment aprons, parking, and minor alterations to existing facilities to functionally accommodate addition.				
11. REQUIREMENT: <u>17,110</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: (<u>4,460</u>) SF				
<u>PROJECT:</u> Provides facilities to support air traffic and range control at this station and the Marine Corps Base, Camp Pendleton. (Current mission.) <u>REQUIREMENT:</u> A collocated Radar Air Traffic Control Facility and Range Operations Facility is required to allow for the control and monitoring of air traffic, and to provide safe, expeditious and orderly movement of aircraft under all weather and lighting conditions. Additionally, it will provide for the coordinated and combined activities of land, air, and naval forces during simulated and live fire training. <u>CURRENT SITUATION:</u> Air traffic control is currently provided by deployable, combat essential assets. Should deployment occur, this air space would not have radar control. The requirement to retain tactical units for air control services severely restricts their ability to train in a tactical manner. Range control is provided in inadequate and dispersed facilities at MCB Camp Pendleton. Positive control for range safety is intermittent. Coordination of land and air units is haphazard. Access to radar data and a centralized facility will greatly enhance the performance of this function and the safety of range participants. <u>IMPACT IF NOT PROVIDED:</u> Continued use of inadequate, dispersed facilities with deployable assets providing stopgap services. Inefficient use of ranges will continue. The potential for aircraft mishaps, both military and civilian, will remain high. An unsafe, haphazard and uncoordinated use of air space				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N00204 NAVAL AIR STATION, PENSACOLA, FLORIDA			4. PROJECT TITLE RADAR AIR TRAFFIC CONTROL CENTER	
5. PROGRAM ELEMENT O805796N	6. CATEGORY CODE 133.72	7. PROJECT NUMBER P-623	8. PROJECT COST (\$000) 1,540	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
RADAR AIR TRAFFIC CONTROL CENTER	SF	9,000	120.00	1,080
SUPPORTING FACILITIES.	-	-	-	300
UTILITIES, PAVING, AND SITE IMPROVEMENT.	LS	-	-	(300)
SUBTOTAL	-	-	-	1,380
CONTINGENCY (5.0%).	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,450
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	90
TOTAL REQUEST.	-	-	-	1,540
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(11,409)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Permanent-type construction, concrete foundation walls, footing and concrete floors, masonry walls; interior control room with special lighting controls and sound proofing; fire protection and alarm systems, air conditioning, vault, raised floors, classified areas, and utilities.				
11. REQUIREMENT: <u>9,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF PROJECT: Provides a Radar Air Traffic Control Center/Fleet Air Control and Surveillance Facility (RATCC/FACSFAC). (New mission.) REQUIREMENT: Adequate and properly-configured facilities for a new RATCC/FACSFAC required to provide surveillance and control of naval flight operations in the Gulf of Mexico, and surveillance and scheduling of Air Force, Air Guard, Air National Guard and civilian helicopter operations in the Gulf. The helicopters provide logistic support to off-shore oil platforms. Lack of surveillance between civil and military operations presents an unacceptable flight safety hazard. The introduction of a large deck carrier (USS Forrestal) in the Gulf and the use of that resource by flight squadrons, has increased the demand for safety enhancement provided by the RATCC/FACSFAC capability and will provide overland surveillance of student training flights operating in the Pensacola training complex. The Navy has been designated by the Federal Aviation Administration as air space coordinator for the Gulf of Mexico. This project will provide the capability to execute this responsibility. CURRENT SITUATION: The NAS Pensacola Air Traffic Control System does not presently have the capability or capacity to handle the requirements generated by the Navy's new responsibility as the air space coordinator for the Gulf of Mexico. IMPACT IF NOT PROVIDED: The requirement for a complete RATCC/FACSFAC facility at this site will not be met. The Navy will not be able to execute its responsibility to				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0236 NAVAL AIR STATION, ALAMEDA, CALIFORNIA			4. PROJECT TITLE CONTROL TOWER COMPLEX	
5. PROGRAM ELEMENT O2O4696N	6. CATEGORY CODE 141.70	7. PROJECT NUMBER P-053	8. PROJECT COST (\$000) 4,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONTROL TOWER COMPLEX.	SF	13,330	-	1,680
TOWER.	SF	3,230	172.00	(560)
OPERATIONS BUILDING.	SF	1,000	155.00	(160)
AIRCRAFT FIRE RESCUE STATION.	SF	9,100	105.00	(960)
SUPPORTING FACILITIES.	-	-	-	2,540
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(840)
ELECTRICAL UTILITIES.	LS	-	-	(390)
MECHANICAL UTILITIES.	LS	-	-	(530)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(780)
SUBTOTAL.	-	-	-	4,220
CONTINGENCY (5.0%).	-	-	-	210
TOTAL CONTRACT COST.	-	-	-	4,430
SUPERVISION, INSPECTION & OVERHEAD (6.0%).	-	-	-	270
TOTAL REQUEST.	-	-	-	4,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Seven-story steel frame control tower, insulated metal wall panels, built-up roofing over insulation and metal roof decking; one-story reinforced concrete, steel frame operations building, built-up roofing supported by metal roof decking; one and one-half story aircraft fire rescue station and shed, built-up roofing supported by metal roof decking; pile foundations, fire sprinkler and communications systems, elevator for control tower, air conditioning, and utilities; operations building with instrument flight room, equipment room, administration, and maintenance areas; aircraft fire rescue station includes five truck stalls, bunkrooms, kitchen, dining room, showers and administration area; shed includes five stalls for vehicle maintenance and storage of fire rescue equipment.				
11. REQUIREMENT: <u>13,330</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF PROJECT: Provides an airfield control tower, operations building, and an aircraft fire rescue station with a facility for housing personnel and equipment. (Current mission.) REQUIREMENT: Adequate facilities for control of aircraft traffic. The tower must have unobstructed line-of-sight to the activity airfield approach area, runways, taxiways, aircraft parking areas and all other areas where aircraft movements must be controlled. An operations building with an Instrument Flight Room (IFR), Precision Approach Radar (PAR) equipment and a Ground Control Approach (GCA) system is also required. The aircraft fire rescue station must be adjacent to the control tower and have direct access to the station runways, taxiways, and aircraft parking ramps. It must have alarms which can be activated either by the control tower or locally from administrative offices or parking bays. CURRENT SITUATION: Because of its location and age, the existing control tower is no longer adequate as an aircraft control center. The tower line-of-sight to				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO236 NAVAL AIR STATION, ALAMEDA, CALIFORNIA		
4. PROJECT TITLE CONTROL TOWER COMPLEX		5. PROJECT NUMBER P-053
11. REQUIREMENT: (CONTINUED) <u>CURRENT SITUATION: (CONTINUED)</u> runways, taxiways, parking aprons, and approach/departure flight zones is obstructed and requires controllers to rely on air crew reports instead of visual interpretation of existing conditions. Pilot incident reports filed over a number of years shows an average of 1.5 near-misses per month. The tower is outdated, inadequate in size, and limited in space for the required equipment and personnel. The aircraft fire rescue station is a substandard facility attached to the existing control tower operations building. Further, the 1989 earthquake damaged the existing crash, fire rescue station beyond repair so that the firemen's quarters had to be demolished. Firefighters are now living in inadequate trailers under a time response waiver to reach their equipment. <u>IMPACT IF NOT PROVIDED:</u> Continued use of the existing control tower with obstructed line-of-sight, resulting in limited capability of controllers to spot potential air traffic hazards and to notify air crews. The present situation lends itself to a very high potential for loss of life accidents. The fire rescue station response time will continue to be impaired by current operating conditions. The results could be loss of life, aircraft, and facilities. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not a viable alternative. The current situation is very unsafe. The existing control tower has major blind spots to the approach area and the first 3,000 feet of the secondary runway because of the existing row of hangars. Also, a new hangar has been added that further reduces the visual coverage of the secondary runway, and a new stripping and paint hangar now blocks the visual approach to the primary runway. Further, the 1989 earthquake damaged the existing CFR station beyond repair so that the firemen's quarters had to be demolished. Firefighters are now living in inadequate trailers under a time response waiver to reach their equipment. b. Renovation/Modernization: This is not a viable option. The existing tower/CFR station cannot be made adequate. The current tower cannot be raised high enough to see over the hangars. Television equipment is only a temporary, poor substitute for the required visual line of site, that is now operating under a safety waiver. c. Lease: There are no commercial activities that meet the requirements of permanent tower/CFR construction manned by Navy professionals. d. New Construction: This is the only viable option. e. Analysis results: Net present value calculations were not performed, since new construction is the only feasible option.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1180, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 03-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 45 (C) DATE DESIGN 35% COMPLETE 10-92 (D) DATE DESIGN COMPLETE 07-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 30 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): _____ (\$000)		

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N00236 NAVAL AIR STATION, ALAMEDA, CALIFORNIA		
4. PROJECT TITLE CONTROL TOWER COMPLEX		5. PROJECT NUMBER P-053
12. SUPPLEMENTAL DATA: (CONTINUED) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (200) (B) ALL OTHER DESIGN COSTS (315) (C) TOTAL 515 (D) CONTRACT (500) (E) IN-HOUSE (15) (4) CONSTRUCTION START. 11-93 (MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: N61755 NAVAL STATION, GUAM			4. PROJECT TITLE EXPLOSIVE ORDNANCE DISPOSAL OPERATIONS FACILITY		
5. PROGRAM ELEMENT O2O4796N	6. CATEGORY CODE 143.20	7. PROJECT NUMBER P-393P	8. PROJECT COST (\$000) 12,700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
EXPLOSIVE ORDNANCE DISPOSAL OPERATIONS FAC . .		SF	43,550	180.00	7,840
SUPPORTING FACILITIES.		-	-	-	3,510
SPECIAL CONSTRUCTION FEATURES.		LS	-	-	(2,140)
UTILITIES, PAVING, AND SITE IMPROVEMENT. . .		LS	-	-	(1,370)
SUBTOTAL		-	-	-	11,350
CONTINGENCY (5.0%).		-	-	-	570
TOTAL CONTRACT COST.		-	-	-	11,920
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .		-	-	-	780
TOTAL REQUEST.		-	-	-	12,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .		-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story concrete frame building, pile foundation, concrete roof and floor slabs, masonry walls; fire alarm and sprinkler system, air conditioning, utilities; replace steel sheet pile and concrete bulkhead.					
11. REQUIREMENT: <u>43,550</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF					
<u>PROJECT:</u> Provides permanent facilities for the relocated Explosive Ordnance Disposal Mobile Unit Five (EODMU FIVE). (New mission.) <u>REQUIREMENT:</u> Adequate and suitably-located facilities to house and support EODMU FIVE being relocated to Guam from the Philippines. This project is a direct result of the withdrawal of Navy assets from the Philippines. The relocated EODMU FIVE needs facilities to operate and perform its mission. They provide explosive ordnance disposal, diving, demolition, and mine countermeasures support to the Seventh Fleet. <u>CURRENT SITUATION:</u> Facilities do not exist on Guam which are appropriately sited to meet the location criteria and the functional and operational requirements of the EODMU FIVE. As a result of the swift withdrawal, scheduled to be completed by December 1992, EODMU FIVE administrative functions were relocated to portable, leased trailers. Transportation and supply operations are being conducted from a K-Span constructed as an interim solution, providing minimum space and facilities, e.g. vehicle maintenance bays without proper equipment, no climate control for material, and inadequate office space for transportation and supply functions. <u>IMPACT IF NOT PROVIDED:</u> EODMU FIVE operations will continue to be hindered by limited spacing, and they will remain in temporary trailers, which will negatively impact morale.					
(CONTINUED ON DD 1391C)					

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M67399 MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA			4. PROJECT TITLE ARMORY	
5. PROGRAM ELEMENT O206496M	6. CATEGORY CODE 143.45	7. PROJECT NUMBER P-494	8. PROJECT COST (\$000) 3,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ARMORY	SF	22,440	114.00	2,560
SUPPORTING FACILITIES.	-	-	-	500
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(260)
DEMOLITION	LS	-	-	(120)
SUBTOTAL	-	-	-	3,060
CONTINGENCY (5.0%).	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,210
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	190
TOTAL REQUEST.	-	-	-	3,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story concrete building, concrete foundation, metal deck roofing, utilities, air conditioning, emergency generator, provision for intrusion detection system, cleaning tables, loading dock, security lighting and fencing, fire protection system, and demolition of four buildings.				
11. REQUIREMENT: <u>22,440 SF</u> ADEQUATE: <u>0 SF</u> SUBSTANDARD: <u>0 SF</u> PROJECT: Constructs an armory to provide secure storage for individual and crew-served weapons of the Seventh Marine Regiment. (Current mission.) REQUIREMENT: Secure storage and maintenance space for personal and crew-served weapons, machine guns, and mortars of the Seventh Marine Regiment, which was relocated to this center from Camp Pendleton. CURRENT SITUATION: There is no space available to meet this requirement. Weapons are currently stored in leased interim relocatable shelters not designed for weapons storage. These modular storage units provide no weapon maintenance space, have insufficient environmental control, and do not meet basic security requirements. Security waivers have been issued to permit these interim facilities to be used with armed guards 24 hours a day. IMPACT IF NOT PROVIDED: Weapons storage will remain in inadequate temporary facilities. Weapons will not meet required standards of readiness because of inadequate climate control and lack of maintenance space. Inadequate security will continue to place weapons at risk, requiring round-the-clock guards. ADDITIONAL: Economic Alternatives Considered: a. Status Quo: Not viable. Temporary waiver to use the existing facility that does not meet the mandatory DOD security requirements for weapon storage is based upon the programmed construction of an adequate Armory.				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N60478 NAVAL WEAPONS STATION, EARLE, NEW JERSEY			4. PROJECT TITLE REACTION FORCE FACILITY	
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 143.47	7. PROJECT NUMBER P-970	8. PROJECT COST (\$000) 2,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REACTION FORCE FACILITY.	SF	10,000	165.00	1,650
SUPPORTING FACILITIES.	-	-	-	420
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(270)
DEMOLITION	LS	-	-	(150)
SUBTOTAL	-	-	-	2,070
CONTINGENCY (5.0%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,170
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	130
TOTAL REQUEST.	-	-	-	2,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story reinforced concrete building, concrete walls, floor and roof; raised flooring; hardened roof-top bulkheads; emergency generator, utilities; fire protection system, heating, ventilation and air conditioning system; and demolition of one building.				
11. REQUIREMENT: <u>10,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Constructs a reaction force facility in the limited area of this station to support 35 Marines. (Current mission.) <u>REQUIREMENT:</u> Adequate facility to accommodate 24 hour per day activities by personnel on three-day rotations, including berthing for watch squads, galley and messing, weapons and ammunition storage, alarm control center, and exercise and recreation spaces. The facility must be hardened to withstand a small arms multiple impact threat. <u>CURRENT SITUATION:</u> Existing facility is too small and cannot be economically or operationally altered to harden it against a small arms multiple impact attack. In addition, it is deteriorated from constant usage and has many deficiencies which make it totally inadequate in layout and construction. The walls are hollow concrete block construction, penetrated with openings for air ducts which should be through the roof. The garage has only one vehicle exit instead of two and access to the roof is difficult and hazardous. <u>IMPACT IF NOT PROVIDED:</u> In the event of an attack, the present facility would not provide the required degree of protection for the Marines nor allow them to deploy safely into defensive positions. Many of the present deficiencies could prove to be fatal or at least excessively time consuming in carrying out this critical mission.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N60478 NAVAL WEAPONS STATION, EARLE, NEW JERSEY			4. PROJECT TITLE EXPLOSIVES TRUCK HOLDING YARD	
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 148.25	7. PROJECT NUMBER P-913	8. PROJECT COST (\$000) 1,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
EXPLOSIVES TRUCK HOLDING YARD.	SY	24,450	46.00	1,120
SUPPORTING FACILITIES.	-	-	-	2,020
UTILITIES.	LS	-	-	(770)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,250)
SUBTOTAL.	-	-	-	3,140
CONTINGENCY (5.0%).	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,300
SUPERVISION, INSPECTION & OVERHEAD (6.0%).	-	-	-	200
SUBTOTAL.	-	-	-	3,500
LESS: NATO SHARE.	-	-	-	2,200
TOTAL REQUEST.	-	-	-	1,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Asphalt and concrete holding yard, security barricades, fencing, access road lighting, fire protection system, water line, elevated water storage tank, lightning protection, and utilities.				
11. REQUIREMENT: <u>24,450</u> SY ADEQUATE: <u>0</u> SY SUBSTANDARD: <u>0</u> SY <u>PROJECT:</u> Constructs a high-security area for the temporary storage of explosives-loaded tractor-trailer trucks. (New mission.) <u>REQUIREMENT:</u> An adequate facility is needed for providing safe overnight and weekend storage for up to 90 explosives-loaded trucks. This facility is required at the station's main side for the receipt and temporary storage of shipments of ordnance prior to its transfer to the magazine areas or the waterfront. An increase in workload resulted from the arrival of the two existing Atlantic Fleet fast combat support ships (AOE's) for permanent homeporting. <u>CURRENT SITUATION:</u> Currently, explosives-loaded trucks entering the station are processed through the truck scale house and, when not destined for immediate deployment to the waterfront, are parked in two magazine areas. While this is the only alternative presently available, it is highly dangerous because of the proximity of the explosives-loaded trucks to loaded magazines. <u>IMPACT IF NOT PROVIDED:</u> This station will be unable to provide adequate, safe and secure explosives truck holding capacity, inhibiting ordnance handling capability and subsequent service to the Fleet. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Currently, WPNSTA Earle does not have explosive van parking areas at the Main Side Area. Explosive vans are parked along roadways located throughout existing magazine and barricade groups. This				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N60478 NAVAL WEAPONS STATION, EARLE, NEW JERSEY		
4. PROJECT TITLE EXPLOSIVES TRUCK HOLDING YARD	5. PROJECT NUMBER P-913	
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) creates a hazardous situation and is operationally unacceptable. b. Renovation/Modernization: Since no explosive van parking areas currently exist at the Mainside Area, renovation is not a viable alternative. c. Lease: Explosive van parking areas are not available at other Federal Government installations in the vicinity of WPNSTA Earle. Leasing is not an alternative. d. New Construction: New construction is the only alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative. This project will be conjunctively funded with NATO.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 10-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 100 (C) DATE DESIGN 35% COMPLETE 04-92 (D) DATE DESIGN COMPLETE 09-92 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 100 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (270) (B) ALL OTHER DESIGN COSTS (70) (C) TOTAL 340 (D) CONTRACT (280) (E) IN-HOUSE (60) (4) CONSTRUCTION START. 10-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: N60478 NAVAL WEAPONS STATION, EARLE, NEW JERSEY				4. PROJECT TITLE PIER EXTENSION (PHASE I)		
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 151.10	7. PROJECT NUMBER P-952	8. PROJECT COST (\$000) AUTH: 73,300 APPR: 13,700			
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
PIER EXTENSION	LS	-	-	58,770		
PIER	LS	-	-	(41,950)		
DREDGING	LS	-	-	(10,110)		
BUILDING	SF	17,300	158.00	(2,730)		
RAILROAD TRACKAGE	LF	7,550	505.00	(3,810)		
TECHNICAL OPERATING MANUALS	LS	-	-	(170)		
SUPPORTING FACILITIES	-	-	-	7,090		
ELECTRICAL UTILITIES	LS	-	-	(6,470)		
MECHANICAL UTILITIES	LC	-	-	(600)		
DEMOLITION	LS	-	-	(20)		
SUBTOTAL	-	-	-	65,860		
CONTINGENCY (5.0%)	-	-	-	3,290		
TOTAL CONTRACT COST	-	-	-	69,150		
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	4,150		
SUBTOTAL	-	-	-	73,300		
LESS: FUTURE PHASE FUNDING	-	-	-	- 22,950		
LESS: NATO SHARE	-	-	-	- 36,650		
TOTAL REQUEST	-	-	-	13,700		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
905-foot by 150-foot reinforced concrete pier extension, railroad tracks, fire protection system, road, technical operating manuals, lighting system, fender pile system, utilities, dredging, and demolition.						
11. REQUIREMENT: <u>AS REQUIRED</u>						
PROJECT: Provides an extension to Pier 4 to support ordnance loading and homeport berthing. (New mission.)						
EQUIPEMENT: Adequate berthing to support future homeporting requirements, including two additional fast combat logistic support ships (AOE-6 Class). Ordnance is transported by truck and railcar onto this pier complex to and from storage magazines located 17 miles inland. Homeport plans include berthing three ammunition ships (AE's), two fast combat logistic support ships (AOE-1 Class), and two new fast combat logistic support ships (AOE-6 Class) which resupply the Atlantic Fleet with ammunition, fuel, and other vital provisions while underway. This is the first of two planned phases which provide a pier extension and cold-iron utilities. Funding for Phase II is being requested in Fiscal Year 1995.						
CURRENT SITUATION: Built in 1944, Piers 2 and 3 show signs of severe structural deterioration and must be replaced to maintain safe ordnance loading and berthing for homeported ships. Structural testing and analysis of the existing old piers and trestles show significant areas of deterioration, with accelerating deterioration of the concrete deck caused by freeze-thaw cycles. The remaining life of the concrete deck, as assessed in 1988, was five more freeze-thaw cycles or about five years. Weight limitations have been placed on trucks and railcars, resulting in increased loading time and costs.						
IMPACT IF NOT PROVIDED: The Navy will not have a safe pier complex for the movement of ammunition, supplies and personnel. Continued use of the pier will						

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																						
3. INSTALLATION AND LOCATION/UIC: N60478 NAVAL WEAPONS STATION, EARLE, NEW JERSEY																								
4. PROJECT TITLE PIER EXTENSION (PHASE I)		5. PROJECT NUMBER P-952																						
11. REQUIREMENT: (CONTINUED) <u>IMPACT IF NOT PROVIDED:</u> (CONTINUED) eventually result in structural failure, critically affecting the ammunition outloading and homeporting missions. <u>ADDITIONAL:</u> It is expected that NATO will conjunctively fund this project on a 50/50 share basis. Economic Alternatives Considered: a. Status Quo: Pier 4 has two berths which provide services to the two homeported AOE-1 class ships. Pier 4 does not possess the capability to provide the additional services required for the two AOE-6 class ships which are scheduled to arrive in 1996. Piers 2 and 3 do not possess adequate water depth or utilities to accommodate AOE-6 class ships. Pier 1 is utilized as a truck holding yard and does not have any berthing capabilities. b. Renovation/Modernization: Pier 4 is a new facility constructed in 1990. It was designed to accommodate the two homeported AOE-1 class ships. There is no renovation work which would allow this pier to service four AOE type ships. Piers 2 and 3 are severely deteriorated. The concrete deck and supporting wood-pile structure are nearing the end of their life cycle. Both piers are to be reconstructed in the future. Currently, Pier 2 is the homeport pier for three AE ships and Pier 3 is used as an ammunition loading pier. To maintain full operation during the reconstruction of Piers 2 and 3, it is necessary that another facility (i.e., Pier 4 extension) be available to relocate the operations of Pier 2 and 3 until the reconstruction work is complete. The amount of dredging required to revitalize Pier 1 for berthing is immense and would not be economically feasible. c. Lease: A private pier complex would not be able to satisfy Explosive Safety Quantity Distance Requirements. Leasing is not a viable alternative. d. New Construction: This is the only alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.																								
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%;"> <tr> <td>(A) DATE DESIGN STARTED</td> <td style="text-align: right;">03-91</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993</td> <td style="text-align: right;">90</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">09-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">02-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992</td> <td style="text-align: right;">35</td> </tr> </table> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ☐ NO ☒ (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%;"> <tr> <td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right;">(0)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(0)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right;">0</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(0)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(0)</td> </tr> <tr> <td>(4) CONSTRUCTION START</td> <td style="text-align: right;">05-93</td> </tr> </table> (MONTH AND YEAR) (CONTINUED ON DD 1391C)			(A) DATE DESIGN STARTED	03-91	(B) PERCENT COMPLETE AS OF JANUARY 1993	90	(C) DATE DESIGN 35% COMPLETE	09-92	(D) DATE DESIGN COMPLETE	02-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992	35	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(0)	(B) ALL OTHER DESIGN COSTS	(0)	(C) TOTAL	0	(D) CONTRACT	(0)	(E) IN-HOUSE	(0)	(4) CONSTRUCTION START	05-93
(A) DATE DESIGN STARTED	03-91																							
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(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(0)																							
(B) ALL OTHER DESIGN COSTS	(0)																							
(C) TOTAL	0																							
(D) CONTRACT	(0)																							
(E) IN-HOUSE	(0)																							
(4) CONSTRUCTION START	05-93																							

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N60478 NAVAL WEAPONS STATION, EARLE, NEW JERSEY		
4. PROJECT TITLE PIER EXTENSION (PHASE I)	5. PROJECT NUMBER P-952	
12. SUPPLEMENTAL DATA: (CONTINUED) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N57026 NAVAL INACTIVE SHIP MAINTENANCE FACILITY, PEARL HARBOR, HAWAII			4. PROJECT TITLE INACTIVE SHIPS PIER	
5. PROGRAM ELEMENT 0708015N	6. CATEGORY CODE 151.20	7. PROJECT NUMBER P-841	8. PROJECT COST (\$000) 2,650	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
INACTIVE SHIPS PIER.	SF	7,800	200.00	1,560
SUPPORTING FACILITIES.	-	-	-	810
ELECTRICAL UTILITIES	LS	-	-	(230)
MECHANICAL UTILITIES	LS	-	-	(250)
SITE IMPROVEMENT	LS	-	-	(330)
SUBTOTAL	-	-	-	2,370
CONTINGENCY (5.0%).	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,490
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	160
TOTAL REQUEST.	-	-	-	2,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION 26-foot wide by 300-foot long pier, including sheet pile abutment, fire protection water distribution system, and utilities.				
11. REQUIREMENT: <u>7,800</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
PROJECT: Constructs a pier to provide loading, workspace, and berthing facilities for this activity. (Current mission.) REQUIREMENT: Adequate facilities are required for berthing support vessels and for transporting, loading, and unloading materials and equipment from shore to the support vessels. This facility is responsible for all functions necessary to accomplish the inactivation, maintenance, custody, disposal, security, and preparation for reactivation of assigned ships and craft moored off-shore in the Middle Loch of Pearl Harbor. In addition to the 43 ships and craft presently maintained, this facility will receive eleven additional ships by FY 1995. The only means of accomplishing this work is by using six large yard craft (YC) and several landing craft and utility boats for workshops, crane support, and transportation access to the inactive ships moored in-stream. This project provides adequate berthing for these support vessels. CURRENT SITUATION: This facility has two temporary piers, a pontoon pier and two YC's, which are totally inadequate to support the requirements. The pontoon pier was constructed in 1969 using World War II surplus sections, which are badly rusted, and many sections are partially sunk. Pier 7 was the only permanent pier in the Middle Loch, built in the 1940's, condemned in 1985 and demolished in 1991. Two YC's were assembled in December 1991 as a temporary replacement for the condemned pier, but are inherently unstable. The temporary piers are weight restricted for forklift and truck traffic.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N57101 COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII			4. PROJECT TITLE BERTHING PIER	
5. PROGRAM ELEMENT 0205096N	6. CATEGORY CODE 151.20	7. PROJECT NUMBER P-422	8. PROJECT COST (\$000) 17,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BERTHING PIER.	LS	-	-	8,240
PIER/WHARF	SF	41,900	168.00	(7,040)
DREDGING	LS	-	-	(1,200)
SUPPORTING FACILITIES.	-	-	-	6,960
MECHANICAL UTILITIES	LS	-	-	(2,020)
ELECTRICAL UTILITIES	LS	-	-	(2,930)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(2,010)
SUBTOTAL	-	-	-	15,200
CONTINGENCY (5.0%).	-	-	-	760
TOTAL CONTRACT COST.	-	-	-	15,960
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	1,040
TOTAL REQUEST.	-	-	-	17,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Reinforced concrete pile supported pier, approach trestle, approach and offshore dredging, and related facilities including fender system and hotel services for water, sewer, electrical, and telephone; fire protection system, partial demolition of an existing pier, electrical substation, sewage lift station, relocation of an existing boat ramp, security fencing, parking, and archaeological services.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Constructs pier, approach trestle, and related dockside facilities to support programmed Surveillance Towed Array Sensor System (SURTASS) ships at the Pearl City Peninsula. (New mission.) <u>REQUIREMENT:</u> Adequate pier facilities to provide docking capability for up to five mono-hull T-AGOS 1 class ocean surveillance ships and at least four widebeam Small Waterplane-Area Twin Hull (SWATH) class ships scheduled for assignment to SURTASS operation. The first SWATH ship was assigned in 1992. Simultaneous docking of two ships is required to maintain the assigned SURTASS mission in the Pacific. The facilities are part of the planned relocation of the SURTASS Support Center from Bishops Point to the Pearl City Peninsula. SURTASS is a submarine detection system based on a flexible, tube-like structure towed behind a civilian-manned ship. Raw data is sent from the ship via satellite to Fleet units for processing. SWATH ships are 224 feet long and considerably wider than their mono-hull counterparts. They are designed to be more stable and have better sea-keeping characteristics than the mono-hull ships. <u>CURRENT SITUATION:</u> The current SURTASS operations are supported at the Bishops Point, Pearl Harbor site. While the structure at the Bishops Point site is marginally sound enough to support mono-hull T-AGOS 1 class vessels, the facility is physically unable to accommodate the larger, deeper draft SWATH hulls represented by the T-AGOS 19 and T-AGOS 23 class ships, and to adequately				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N57101 COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII		
4. PROJECT TITLE BERTHING PIER		5. PROJECT NUMBER P-422
11. REQUIREMENT: (CONTINUED) <u>CURRENT SITUATION: (CONTINUED)</u> support the maintenance requirements of their upgraded array systems. The move to the Pearl City Peninsula was initiated with the successful programming of an FY 1991 MILCON project to provide SURTASS maintenance and operations facilities (\$12.8 M). This follow-on project provides the necessary berthing piers, specially designed to accommodate the SWATH ships. The berthing facilities will also provide array off-loading capabilities for the ocean surveillance ships. The 6,000-foot-long arrays must be periodically removed from the ship to be serviced and repaired. The ships dock for only 15 days before returning to sea for another 75-day deployment. Adequate berthing facilities must be available to support the tight in-port availabilities. Berthing facilities cannot adequately accommodate the SWATH ships scheduled for delivery through the mid-1990's. The existing water depth is not sufficient for the much deeper draft SWATH ships. <u>IMPACT IF NOT PROVIDED:</u> The Pacific SURTASS Support Center will not be able to support the SURTASS fleet expansion and the new T-AGOS 19 through 23 class SWATH ships will have no supporting shore facility in the Pacific. The new support center will not be fully utilized because of a lack of berthing facilities. The level of ocean surveillance and mission readiness will decrease significantly, if the operating tempo of the 13 SURTASS ships cannot be maintained. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This project supports the expanded SURTASS mission to convert to Small Waterplane Area Twin Hull (SWATH) class surveillance ships. The existing SURTASS berthing facilities are not designed to provide the structural requirements, harbor depth, and supporting utility requirements of the larger twin hull SWATH class craft. Additionally, the present location cannot adequately complement the Pacific SURTASS Support Center at Pearl City Peninsula. There are no existing berthing facilities available that will satisfy these requirements. The status quo is not a viable alternative. b. Renovation/Modernization: There are no available facilities which can be modified to satisfactorily meet the berthing requirements of the expanded mission. Existing SURTASS berthing facilities are not adequately designed to support the unique design of the SWATH ships, and upgrade of the facilities for this purpose is not technically feasible. c. Lease: The needed berthing facilities are required to be collocated in the vicinity of the associated SURTASS Support Center at Pearl City Peninsula. No suitable private or state berthing facilities are available for lease on Oahu. d. New Construction: New construction is the only alternative that will satisfy the expanded mission requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 02-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 100 (C) DATE DESIGN 35% COMPLETE 09-91 (D) DATE DESIGN COMPLETE 08-92 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 100 (CONTINUED ON DD 1391C)		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N57101 COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII		
4. PROJECT TITLE BERTHING PIER	5. PROJECT NUMBER P-422	
12. SUPPLEMENTAL DATA: (CONTINUED)		
(2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (<u>200</u>) (B) ALL OTHER DESIGN COSTS (<u>250</u>) (C) TOTAL <u>450</u> (D) CONTRACT (<u>400</u>) (E) IN-HOUSE (<u>50</u>) (4) CONSTRUCTION START. <u>12-93</u> (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NO0314 NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII			4. PROJECT TITLE GENERAL PURPOSE BERTHING WHARF	
5. PROGRAM ELEMENT O2O4896N	6. CATEGORY CODE 152.20	7. PROJECT NUMBER P-117	8. PROJECT COST (\$000) 26,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
GENERAL PURPOSE BERTHING WHARF	LS	-	-	14,060
WHARF	SF	37,050	290.00	(10,740)
DREDGING	CY	50,000	45.00	(2,250)
BUILT-IN EQUIPMENT	LS	-	-	(1,070)
SUPPORTING FACILITIES	-	-	-	9,460
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(3,370)
TENANT RELOCATION	LS	-	-	(4,100)
DEMOLITION	LS	-	-	(1,990)
SUBTOTAL	-	-	-	23,520
CONTINGENCY (5.0%)	-	-	-	1,180
TOTAL CONTRACT COST	-	-	-	24,700
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	1,600
TOTAL REQUEST	-	-	-	26,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION 70 feet by 480 feet concrete deck on pile wharf with sheetpile bulkhead capable of supporting a 100-ton mobile crane; mechanical and electrical utilities, potable water, saltwater fire protection system, wastewater collection; dredging of entrance/exit channels and berthing area, relocation of on-site tenants, and demolition of quaywall.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Provides adequate waterfront berthing facilities capable of accommodating advanced nuclear attack submarines. (Current mission.) <u>REQUIREMENT:</u> Adequate waterfront berthing facilities to berth transient and homeported submarines. This base provides logistic support, including maintenance and repair, to the submarine force of the Pacific Fleet. The new wharf will provide a fully capable berth on the Kuahua Peninsula in close proximity to the new intermediate maintenance facility. <u>CURRENT SITUATION:</u> Pearl Harbor does not have sufficient waterfront berthing facilities to adequately support transient and homeported submarines. Ships are berthed close together along the wharves without adequate separation distance between them and nested when spaces along the wharves are fully occupied. In addition, the existing wharves were constructed in the 1930's and 1940's and do not have the structural capacity to support the heavier mobile cranes now required to service the newer submarines. As the larger, longer SSN-688 class submarines replaced early classes, spacing became more constricted and it became necessary to nest submarines in order to berth those in port. Also, submarines are berthed on wharfs and piers which lack adequate deck-loading capacity to support mobile cranes used during maintenance and replenishment operations. The wharfs on Kuahua Peninsula are used but are not adequate because of insufficient utility support and the condition of the facilities.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N55632 NAVAL INACTIVE SHIP MAINTENANCE FACILITY, PHILADELPHIA, PENNSYLVANIA			4. PROJECT TITLE BERTHING WHARF IMPROVEMENTS (INCREMENT II)	
5. PROGRAM ELEMENT 0708096N	6. CATEGORY CODE 152.20	7. PROJECT NUMBER P-588	8. PROJECT COST (\$000) 8,770	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BERTHING WHARF IMPROVEMENTS.	LS	-	-	5,430
SUPPORTING FACILITIES.	-	-	-	2,450
UTILITIES, PAVING, AND SITE IMPROVEMENT. . .	LS	-	-	(2,450)
SUBTOTAL	-	-	-	7,880
CONTINGENCY (5.0%).	-	-	-	390
TOTAL CONTRACT COST.	-	-	-	8,270
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	500
TOTAL REQUEST.	-	-	-	8,770
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Approximately 7,000-foot wharf renovation including structural improvements, steel sheet piling, reinforced concrete deck, fender system, utilities and power substation, non-potable water lines, demolition and removal of existing collapsed wharf, and dredging to 30 feet below mean-low-water.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Provides structural improvements to Wharf N to support mobile crane operations. Upgrades non-potable water lines along Wharves N and L. Upgrades and repairs electric shore power system along east and north sides of the Reserve Basin, including additional shore power outlets and a new substation. Dredges along Wharves F, L, N, Preble Avenue, and Second Street at the Reserve Basin. (New mission.) <u>REQUIREMENT:</u> Structural wharf upgrades, dredging and utility distribution work for lighting, dehumidification, and cathodic and fire protection required to support the increased number of inactive ships, particularly mobilization assets, and the influx of larger, deeper draft vessels. This facility is responsible for all functions necessary to accomplish the inactivation, maintenance, custody, disposal, security, and preparation for reactivation of assigned ships and craft. All combatant vessels and almost all non-combatant mobilization assets on the east coast are berthed at this facility or NISMF Portsmouth, Virginia. This facility will be required to berth at least 31 ships and craft within the Reserve Basin by FY 1995, in addition to ships berthed on shipyard piers. <u>CURRENT SITUATION:</u> A quantity of subsurface materials including pilings and chunks of concrete and asphalt are known to exist in the reserve basin. The limiting draft for ships berthed in the Reserve Basin is between 17 and 25 feet, inadequate for the numbers and types of ships that will complete inactivation and be maintained there starting in FY 1995. A section of				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N55632 NAVAL INACTIVE SHIP MAINTENANCE FACILITY, PHILADELPHIA, PENNSYLVANIA		
4. PROJECT TITLE BERTHING WHARF IMPROVEMENTS (INCREMENT II)		5. PROJECT NUMBER P-588
11. REQUIREMENT: (CONTINUED) <u>CURRENT SITUATION: (CONTINUED)</u> Wharf N cannot support a mobile crane used in stripping and cannibalization functions. Existing electric power and non-potable water systems cannot support maintenance of mobilization asset ships and disposal of stricken ships. <u>IMPACT IF NOT PROVIDED:</u> This facility cannot provide berthing and utility services for the preservation of 15 to 20 additional inactive ships through FY 1997. The ability to meet current inactivation schedules and maintain valuable Navy assets will be severely jeopardized. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Existing water depths and utility services will not support the inactive ship loading scheduled for FY 1995 and outyears. The only other facilities for stowing inactive ships on the east coast is NISMF Portsmouth, VA, and the MARAD facility in the James River at Fort Eustis, VA. NISMF Portsmouth does not have adequate berthing capacity or water depth. Mobilization assets are not stowed at the MARAD James River facility, except for some non-combatants on an exception basis, as maintenance will be degraded and retention costs would significantly increase because of the instream, remote location. Further, without upgrading the Wharf N structure for mobile crane operations, the operations of this activity will be degraded with the closure of the Philadelphia Naval Shipyard. b. Renovation/Modernization: This project is an upgrade of existing facilities. c. Lease: There are no private piers and wharfs in the area to provide long-term stowage of mobilization assets. If there were, annual dockage charges and increased maintenance costs at an off-site location would be expected to exceed project costs after two to four years. d. New Construction: New construction was not considered, since existing facilities are available to be upgraded. Land acquisition and development costs would be expected to far exceed the cost of this project and could not be in place by FY 1995. e. Analysis Results: Net present value calculations were not performed since upgrading of existing facilities is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 03-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 100 (C) DATE DESIGN 35% COMPLETE 08-92 (D) DATE DESIGN COMPLETE 01-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (700) (B) ALL OTHER DESIGN COSTS (0) (C) TOTAL. 700 (D) CONTRACT (700)		

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N55632 NAVAL INACTIVE SHIP MAINTENANCE FACILITY, PHILADELPHIA, PENNSYLVANIA		
4. PROJECT TITLE BERTHING WHARF IMPROVEMENTS (INCREMENT II)	5. PROJECT NUMBER P-588	
12. SUPPLEMENTAL DATA: (CONTINUED) (E) IN-HOUSE () (4) CONSTRUCTION START. 12-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0255EV NAVAL STATION, EVERETT, WASHINGTON			4. PROJECT TITLE BREAKWATER	
5. PROGRAM ELEMENT O2O4796N	6. CATEGORY CODE 164.10	7. PROJECT NUMBER P-202	8. PROJECT COST (\$000) 22,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BREAKWATER	LS	-	-	19,940
SUPPORT STRUCTURE	LS	-	-	(11,550)
BREAKWATER STRUCTURE	LS	-	-	(7,230)
DREDGING/SLOPE PROTECTION	CY	150,000	7.00	(1,050)
LIGHTING	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	250
ENVIRONMENTAL MITIGATION	LS	-	-	(250)
SUBTOTAL	-	-	-	20,190
CONTINGENCY (5.0%)	-	-	-	1,010
TOTAL CONTRACT COST	-	-	-	21,200
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1,300
TOTAL REQUEST	-	-	-	22,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Structural breakwater with closely spaced concrete piling supported by a pile-supported structure 90 feet wide by 1326 feet long with deck openings; approach trestle 24 feet wide by 260 feet long.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Provides a structural breakwater with access trestle. (Current mission.) <u>REQUIREMENT:</u> A breakwater is needed to attenuate the wave motion from Port Gardner Bay. This station is homeport for a carrier battlegroup consisting of a Nimitz-class aircraft carrier. This breakwater will provide a safe harbor for the ships homeported at the carrier pier, protecting them from severe storms which require ships to leave port, and storms of lesser severity which result in mooring system fatigue and damages to ship hulls. The breakwater will also help to slow the sedimentation rate in the harbor. <u>CURRENT SITUATION:</u> Construction of the carrier pier is progressing and scheduled to be completed in 1992. The site is presently a body of water at the mouth of the Shohomish River that flows into Port Gardner Bay. Ships berthed on the west side of the carrier pier will be exposed to damaging waves if a breakwater is not provided. <u>IMPACT IF NOT PROVIDED:</u> Ships berthed at the carrier pier, and particularly the west side, will be susceptible to damage during severe storms. Without this project, ships will have to put out to sea to avoid damage. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: No facilities are currently available to protect the existing carrier pier. b. Renovation/Modernization: No existing facilities exist which can be modified to correct the existing deficiency.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0255EV NAVAL STATION, EVERETT, WASHINGTON		
4. PROJECT TITLE BREAKWATER		5. PROJECT NUMBER P-202
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) c. Leasing: This is a unique facility in which leasing is not a viable option. d. New Construction: This is the only viable means of protecting the pier and vessels to be berthed at this site. e. Analysis Results: Net Present Value calculations were not performed, since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 03-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 11-91 (D) DATE DESIGN COMPLETE 10-92 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 25 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (1,020) (B) ALL OTHER DESIGN COSTS (680) (C) TOTAL 1,700 (D) CONTRACT (1,530) (E) IN-HOUSE (170) (4) CONSTRUCTION START. 04-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: N42237 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA			4. PROJECT TITLE DIKES		
5. PROGRAM ELEMENT 0101228N	6. CATEGORY CODE 164.30	7. PROJECT NUMBER P-445	8. PROJECT COST (\$000) 3,770		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DIKES.		LS	-	-	2,010
EMBANKMENT		LF	22,300	70.00	(1,560)
STOCKPILE		CY	150,000	3.00	(450)
SUPPORTING FACILITIES.		-	-	-	1,380
SITE IMPROVEMENT		LS	-	-	(1,380)
SUBTOTAL		-	-	-	3,390
CONTINGENCY (5.0%).		-	-	-	170
TOTAL CONTRACT COST.		-	-	-	3,560
SUPERVISION, INSPECTION & OVERHEAD (6.0%)		-	-	-	210
TOTAL REQUEST.		-	-	-	3,770
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Dredge material containment dikes; dewatering weirs and outflow control structures; erosion control measures; environmental protection; other mitigation; and stockpiling of suitable material for future dike construction.					
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Raise dredge material containment dikes and dredge material dewatering management devices. (Current mission.) <u>REQUIREMENT:</u> Adequate and economic means for disposing of dredge materials resulting from current and future dredging activities to maintain operational depth for OHIO-class submarines. <u>CURRENT SITUATION:</u> This project continues the multi-year Kings Bay dredging program, and provides the most cost-effective means of reducing and controlling the amount of materials resulting from dredging operations in the waterfront area. The existing dike system has insufficient long-term storage capacity and is unable to meet requirements of the materials area management plan, intended to optimize storage life availability. <u>IMPACT IF NOT PROVIDED:</u> Substantially more costly and equipment-intensive deep ocean disposal of maintenance dredging materials will be required. This will increase maintenance dredging frequency and lead to longer equipment on-site durations, compromising the refit, repair and maintenance schedule of OHIO-class submarines. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: An alternative for disposal of Kings Bay and Cumberland Sound dredge material would be to use the existing dredge disposal areas followed by ocean disposal when these areas fill to capacity; future environmental permitting restrictions could cancel this					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N42237 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE DIKES		5. PROJECT NUMBER P-445
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) option. A second alternative, removal of dredged material by truck from the dredge disposal areas to an offsite area, is cost prohibitive. Channel dredged silts are unsuitable for beach sand renourishment projects. b. Renovation/Modernization: There are no available facilities which can be modified for this project. c. Lease: There are no disposal facilities available for lease. d. New Construction: New construction is the lowest cost alternative based on the economic analysis. e. Analysis Results: Net Present Value calculations indicate that new construction has the lowest life-cycle cost among the viable alternatives. Costs associated with not constructing the dikes on Big Crab Island and using only the existing dredge disposal area configuration result in a 12 year life cycle loss in the use of the dredge disposal areas. This equates to an increase in operational present worth cost of \$43,200,000. The placement of dredge materials in SUBASE disposal areas costs \$2.50/CY vice \$7.00/CY for distant offshore dumping.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED 06-90 (B) PERCENT COMPLETE AS OF JANUARY 1993. 100 (C) DATE DESIGN 35% COMPLETE 01-91 (D) DATE DESIGN COMPLETE 06-91 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 100 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (106) (B) ALL OTHER DESIGN COSTS (158) (C) TOTAL 264 (D) CONTRACT (203) (E) IN-HOUSE (61) (4) CONSTRUCTION START. 11-93 (MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N63891 NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, VIRGINIA			4. PROJECT TITLE ACADEMIC INSTRUCTION COMPLEX	
5. PROGRAM ELEMENT O205097M	6. CATEGORY CODE 171.10	7. PROJECT NUMBER P-831	8. PROJECT COST (\$000) 2,350	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ACADEMIC INSTRUCTION COMPLEX	SF	21,600	76.00	1,640
SUPPORTING FACILITIES	-	-	-	470
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(80)
UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT	LS	-	-	(270)
SUBTOTAL	-	-	-	2,110
CONTINGENCY (5.0%)	-	-	-	110
TOTAL CONTRACT COST	-	-	-	2,220
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	130
TOTAL REQUEST	-	-	-	2,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story building, pile supported masonry walls on a reinforced concrete slab; steel joist with metal deck roofs; classroom and instruction preparation areas, administration space, and armory; provisions for intrusion detection and close circuit television systems; utilities, and parking.				
11. REQUIREMENT: <u>21,600</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Provides an instruction building, with instructor work space and lounge area to serve 45 staff personnel, classroom space for 160 students, a storage area for training materials, administrative space for three administrators, an armory, and a small arms maintenance shop to replace relocatable trailers. (Current mission.) <u>REQUIREMENT:</u> Adequate facilities to meet instruction requirements of the Marine Corps Security Force Battalion, Atlantic (MCSFBNLANT) School. MCSFBNLANT conducts anti-terrorism and security training at this activity. Academic instruction is necessary to support and enhance vigorous marksmanship and battle drill training programs. <u>CURRENT SITUATION:</u> An academic instruction facility and armory do not exist at this activity. Personnel undergoing training with MCSFBNLANT attend daily on-site classes. All activities are conducted in relocatable buildings which do not provide a high-quality, efficient training environment. <u>IMPACT IF NOT PROVIDED:</u> Students will continue to use temporary trailers for classroom instruction and preparation for using live-fire ranges. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: The status quo is not viable since the training complex for MCSFBNLANT was only recently established as a new mission. In 1987, the CNO directed that the Marine Corps establish two Security				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N63891 NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, VIRGINIA		
4. PROJECT TITLE ACADEMIC INSTRUCTION COMPLEX		5. PROJECT NUMBER P-831
11. REQUIREMENT: (CONTINUED) ADDITIONAL: (CONTINUED) Force Battalions in support of the Atlantic and Pacific Fleets. The training program for the battalion was instituted at this activity to maximize coordinating the training complex and the battalion headquarters in Norfolk, VA and to take advantage of underutilized ranges. In accordance with DOD Instruction 4165.56, relocatable trailers are currently being used as an interim measure to support this requirement until a permanent facility is constructed. b. Renovation/Modernization: There are no facilities available for conversion which could satisfy this requirement. c. Lease: This activity is located in an agricultural area of Virginia and extends into the State of North Carolina. There is no classroom space available in this area for leasing. d. New Construction: New construction is the only viable alternative. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 07-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 50 (C) DATE DESIGN 35% COMPLETE 09-91 (D) DATE DESIGN COMPLETE 06-94 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (100) (B) ALL OTHER DESIGN COSTS (220) (C) TOTAL 320 (D) CONTRACT (250) (E) IN-HOUSE (70) (4) CONSTRUCTION START. 09-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO334 NAVAL AIR STATION, BARBERS POINT, HAWAII			4. PROJECT TITLE CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY	
5. PROGRAM ELEMENT O2O4696N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-950	8. PROJECT COST (\$000) 2,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCTION BATTALION UNIT OPERATIONS FAC . .	LS	-	-	1,580
ADMINISTRATION OFFICES AND SHOP.	SF	9,400	138.00	(1,300)
OPEN STORAGE	SY	1,870	150.00	(280)
SUPPORTING FACILITIES.	-	-	-	560
UTILITIES, PAVING, AND SITE IMPROVEMENT. . .	LS	-	-	(560)
SUBTOTAL	-	-	-	2,140
CONTINGENCY (5.0%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,250
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Single-story pre-engineered steel-frame metal building with administration offices and shop space, concrete slab on grade, fire protection system, heating, ventilation and air conditioning systems, equipment and storage yard, utilities, and parking.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Provides a facility to house the administrative, training, shops and storage functions of a construction battalion unit (CBU). (New mission.) <u>REQUIREMENT:</u> Adequate facilities to support the establishment of a CBU. This unit is being established as part of a program to give the Seabees more realistic training and to correct facility deficiencies, improve maintenance, enhance base security, and act as an emergency response unit in the event of a natural disaster. The CBU will be critical to the maintenance and repair of base facilities and comprehensive self-help and quality-of-life programs. The CBU requires an operations facility in which it can store and maintain equipment, train, and perform administrative functions. For efficiency, the CBU concept requires that a facility from which the unit can operate be located on-base. This facility will be sited near the Seabee compound and public works materials warehouse. <u>CURRENT SITUATION:</u> No facilities exist at this station to provide CBU support. <u>IMPACT IF NOT PROVIDED:</u> The construction battalion unit's mission will be severely impacted. Without adequate space to operate from, the significant results anticipated from the additional personnel will be lost. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This project supports a new mission and there are no existing facilities which will satisfy the requirement.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0334 NAVAL AIR STATION, BARBERS POINT, HAWAII		
4. PROJECT TITLE CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY		5. PROJECT NUMBER P-950
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL: (CONTINUED)</u> b. Renovation/Modernization: There are no available facilities which can be modified to provide satisfactory support for this new mission. c. Lease: There are no private firms in the area that provide appropriate services. d. New Construction: This is the only alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 05-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 08-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 10 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (120) (B) ALL OTHER DESIGN COSTS (120) (C) TOTAL. 240 (D) CONTRACT (168) (E) IN-HOUSE (72) (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO193 NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA			4. PROJECT TITLE CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY	
5. PROGRAM ELEMENT 0702031N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-957	8. PROJECT COST (\$000) 1,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCTION BATTALION UNIT OPERATIONS FAC . .	SF	20,060	-	930
BUILDING	SF	13,800	65.00	(900)
COVERED STORAGE	SF	6,260	5.00	(30)
SUPPORTING FACILITIES	-	-	-	150
UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
SUBTOTAL	-	-	-	1,080
CONTINGENCY (5.0%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,130
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	70
TOTAL REQUEST	-	-	-	1,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Single-story pre-engineered metal building, concrete slab, covered storage, fire protection system, air conditioning, utilities, fencing, and parking.				
11. REQUIREMENT: <u>20,060</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Provides a facility to house the administrative, training, shops, and storage functions of a construction battalion unit (CBU). (New mission.) <u>REQUIREMENT:</u> Adequate facilities to support the establishment of a CBU. This unit is being established as part of a program to give the Seabees more realistic training and to correct facility deficiencies, improve maintenance, enhance base security, and to act as an emergency response unit in the event of a natural disaster. The CBU will be critical to the maintenance and repair of base facilities and a comprehensive quality-of-life program. The CBU requires an operations facility in which it can store and maintain equipment, train, and perform administrative functions. For efficiency, the CBU concept requires that a facility from which the unit can operate be located on-base. This facility will be located adjacent to the public works department facilities. <u>CURRENT SITUATION:</u> No facilities exist at Charleston to provide CBU support. <u>IMPACT IF NOT PROVIDED:</u> The construction battalion unit's mission will be severely impaired. Without adequate space to operate from, the significant results anticipated from the additional personnel will be lost. (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO193 NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA		
4. PROJECT TITLE CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY	5. PROJECT NUMBER P-957	
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1180, "FACILITY PLANNING AND DESIGN GUIDE.")		
(1) STATUS: (A) DATE DESIGN STARTED. 10-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 50 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 07-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 20		
(2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____		
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (32) (B) ALL OTHER DESIGN COSTS (40) (C) TOTAL 72 (D) CONTRACT (62) (E) IN-HOUSE (10) (4) CONSTRUCTION START. 11-93 (MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: M00146 MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA			4. PROJECT TITLE AIRCRAFT MAINTENANCE TRAINING FACILITY		
5. PROGRAM ELEMENT O206496M	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-043	8. PROJECT COST (\$000) 4,100		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
AIRCRAFT MAINTENANCE TRAINING FACILITY	SF	35,420	72.00	2,550	
SUPPORTING FACILITIES.	-	-	-	1,140	
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(150)	
UTILITIES.	LS	-	-	(390)	
PAVING AND SITE IMPROVEMENT.	LS	-	-	(600)	
SUBTOTAL	-	-	-	3,690	
CONTINGENCY (5.0%).	-	-	-	190	
TOTAL CONTRACT COST.	-	-	-	3,880	
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	220	
TOTAL REQUEST.	-	-	-	4,100	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Three-story reinforced concrete and masonry building, pile foundation, brick veneer exterior, insulated metal deck roofing, fire protection system, utilities, air conditioning, exterior lighting, and parking.					
11. REQUIREMENT: 35,420 SF ADEQUATE: Q SF SUBSTANDARD: Q SF PROJECT: Constructs a specialized maintenance training and support facility for the Naval Air Maintenance Training Group Detachment (NAMTRAGRUDET) supporting the C-130 aircraft. (New mission.) REQUIREMENT: Adequate facilities to support the relocation of the NAMTRAGRUDET from E1 Toro to this station. The maintenance training function of NAMTRAGRUDET requires specialized facilities to conduct practical application training on aircraft systems components. This relocation is in support of the consolidation of C-130 training functions and the establishment of C-130 Fleet Replacement Squadron (FRS) and a Fleet Readiness Aviation Maintenance Personnel (FRAMP) Squadron as directed by Headquarters Marine Corps. Relocating NAMTRAGRUDET to Cherry Point will improve the effectiveness and efficiency of the training mission. CURRENT SITUATION: The C-130 NAMTRAGRUDET is currently located at E1 Toro. There are no adequate facilities available at this station to support the relocation of this detachment. IMPACT IF NOT PROVIDED: Relocation of NAMTRAGRUDET from E1 Toro and consolidation of C-130 training functions cannot be accomplished. ADDITIONAL: Economic Alternatives Considered: a. Status Quo: This project supports a forced relocation and there are no existing facilities available which can support the requirement. The economic analysis considered continuing the training on the West Coast. Annual travel and operational efficiency costs indicate that this					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: MOO146 MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA		
4. PROJECT TITLE AIRCRAFT MAINTENANCE TRAINING FACILITY		5. PROJECT NUMBER P-043
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL: (CONTINUED)</u> is not a cost-effective alternative. b. Renovation/Modernization: The existing NAMTRADETGRU facility is not designed for this additional mission. There are no existing facilities available which could be modified to support this mission. c. Lease: There are no private firms in the area capable of performing this training. d. New Construction: The existing NAMTRAGRUDET facility will be altered to accommodate the new mission, taking advantage of existing common areas and administrative space. This alternative has the lowest life-cycle cost of alternatives considered. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life-cycle cost among the viable alternatives.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 05-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 06-92 (D) DATE DESIGN COMPLETE 04-94 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (0) (B) ALL OTHER DESIGN COSTS (250) (C) TOTAL 250 (D) CONTRACT (0) (E) IN-HOUSE (250) (4) CONSTRUCTION START. 09-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N42237 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA			4. PROJECT TITLE CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY	
5. PROGRAM ELEMENT O101228N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-950	8. PROJECT COST (\$000) 2,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCTION BATTALION UNIT OPERATIONS FAC . .	SF	22.200	-	1,690
OPERATIONS FACILITY.	SF	20.000	80.00	(1,600)
TEMPORARY COLLECTION AREA/FLAMMABLE STORAGE. .	SF	2,200	41.00	(90)
SUPPORTING FACILITIES.	-	-	-	460
ELECTRICAL UTILITIES	LS	-	-	(190)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
SUBTOTAL	-	-	-	2,150
CONTINGENCY (5.0%).	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,260
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Single-story pre-engineered steel frame metal building, concrete slab on grade, fire protection system, air conditioning, utilities, fencing, and parking; provisions for intrusion detection system, technical operating manuals.				
11. REQUIREMENT: <u>22,200</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Provides a facility to house the administrative, training, shops, and storage functions of a construction battalion unit (CBU). (New mission.) <u>REQUIREMENT:</u> Adequate facilities to support the establishment of a CBU. This unit is being established as part of a program to give the Seabees more realistic training and to correct facility deficiencies, improve maintenance, enhance base security, and act as an emergency response unit in the event of a natural disaster. The CBU will be critical to the maintenance and repair of base facilities and a comprehensive quality-of-life program. The CBU requires an operations facility in which it can store and maintain equipment, train, and perform administrative functions. For efficiency, the CBU concept requires that a facility from which the unit can operate be located on-base. This facility will be located adjacent to the public works department and base contractor facilities. <u>CURRENT SITUATION:</u> No facilities exist at Kings Bay to provide CBU support. <u>IMPACT IF NOT PROVIDED:</u> The construction battalion unit's mission will be severely impaired. Without adequate space to operate from the significant results anticipated from the additional personnel will be lost. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This project supports a new mission and there are no existing facilities which will satisfy the requirement. b. Renovation/Modernization: There are no available facilities which				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N42237 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE CONSTRUCTION BATTALION UNIT OPERATIONS FACILITY	5. PROJECT NUMBER P-950	
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) can be modified to provide satisfactory support for this new mission. c. Lease: There are no private firms in the area that provide appropriate services. d. New Construction: New construction is the only alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 08-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 07-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 5 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (60) (B) ALL OTHER DESIGN COSTS (85) (C) TOTAL 145 (D) CONTRACT (125) (E) IN-HOUSE (20) (4) CONSTRUCTION START. 12-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO204 NAVAL AIR STATION, PENSACOLA, FLORIDA			4. PROJECT TITLE WATER SURVIVAL TRAINING FACILITY	
5. PROGRAM ELEMENT O805796N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-568	8. PROJECT COST (\$000) 4,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
WATER SURVIVAL TRAINING FACILITY	SF	40,170	-	3,770
BUILDING	SF	35,670	70.00	(2,500)
TRAINING ARBORETUM	SF	4,500	89.00	(400)
TRAINING PIER	LS	-	-	(670)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES	-	-	-	360
UTILITIES	LS	-	-	(60)
PAVING, SITE IMPROVEMENT, AND REMOVAL	LS	-	-	(300)
SUBTOTAL	-	-	-	4,130
CONTINGENCY (5.0%)	-	-	-	210
TOTAL CONTRACT COST	-	-	-	4,340
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	260
TOTAL REQUEST	-	-	-	4,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story steel frame concrete masonry building, steel beams, brick facing, concrete foundation walls, concrete floor slabs; insulated, sloped metal roof deck with standing seam metal roof; admin space, classrooms, lockers, shower and restrooms, drying equipment, storage and maintenance areas, laundry, conference room; intercom and PA systems; training arboretum with special habitat features and shallow pool to support water exhibits and plants; water survival training pier with access and retrieval features; elevator, technical operating manuals; air conditioning, mechanical ventilation, sprinkler and fire alarm systems, utilities. Removal of existing utilities, paving and slabs.				
11. REQUIREMENT: <u>40,170</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF PROJECT: Constructs a Land and Sea Survival Training Facility. (Current mission.) REQUIREMENT: An adequate Survival Training Facility for classroom demonstration and instruction on deep-water as well as land survival techniques and cardiopulmonary resuscitation (CPR) procedures to 1,200 students annually at the Naval Aviation Schools Command. An arboretum is required for plant and animal study and familiarization of students in land survival techniques. A training pier is required to provide student pilots and airmen with hands-on reality experience in sea survival techniques. CURRENT SITUATION: The existing substandard facilities were never intended to be used for classroom training purposes and are not functionally suitable. One building, built in 1918, was originally a World War I seaplane hangar and has been adapted over the years for Deep Water Escape Survival Training (DWEST) with piecemeal construction of classrooms, offices, locker, shower, restrooms, equipment drying room and maintenance and storage areas. The other wooden building was built in 1932, is in poor condition, and cannot be made adequate. In addition, these facilities do				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: MO0146 MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA			4. PROJECT TITLE OPERATIONAL TRAINER FACILITY		
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-071	8. PROJECT COST (\$000) 3,850		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
OPERATIONAL TRAINER FACILITY	SF	22,630	74.00	1,670	
SUPPORTING FACILITIES.	-	-	-	1,780	
UTILITIES.	LS	-	-	(1,020)	
PAVING AND SITE IMPROVEMENT.	LS	-	-	(770)	
SUBTOTAL	-	-	-	3,460	
CONTINGENCY (5.0%)	-	-	-	170	
TOTAL CONTRACT COST.	-	-	-	3,630	
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	220	
TOTAL REQUEST.	-	-	-	3,850	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	45,000)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story reinforced concrete and masonry building, concrete spread footing foundation, brick veneer exterior, insulated metal deck roofing, raised flooring, utilities, fire protection system, air conditioning, and exterior lighting.					
11. REQUIREMENT: 22,630 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF PROJECT: Constructs an operational trainer facility to house the F/A-18D Weapons Tactics Trainer (WTT) flight simulator and provide support space for associated operations and training functions. (New mission.) REQUIREMENT: The two-seat F/A-18D aircraft is replacing the A-6 aircraft. The WTT flight simulator is required to train pilots to fly and operate the weapons systems of the F/A-18D aircraft. The operation and maintenance of the WTT flight simulator requires adequate space for operational functions, classroom training, and shop spaces. Environmental controls are needed for operation and repair of the sophisticated controlling computers, communications, and radar (simulated) equipment. CURRENT SITUATION: No facilities are available to house the WTT simulator being procured. IMPACT IF NOT PROVIDED: There will be no facility to house the simulator being procured. Pilots flying the F/A-18D will have to either conduct simulator training on the West Coast or receive "real-time" training in actual aircraft. This will increase the cost of pilot training and reduce the operational squadron readiness. Additionally, "real-time" versus simulator training reduces the useful life of the airframe and engine components and increases the potential for mishaps and maintenance failures. ADDITIONAL: Economic Alternatives Considered: a. Status Quo. The status quo is eliminated as an alternative as this project supports a new mission.					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N63891 NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, VIRGINIA			4. PROJECT TITLE INDOOR RANGE COMPLEX	
5. PROGRAM ELEMENT 0205097M	6. CATEGORY CODE 171.50	7. PROJECT NUMBER P-836	8. PROJECT COST (\$000) 3,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
INDOOR RANGE COMPLEX	SF	7,310	-	2,050
LIVE FIRE BUILDINGS	SF	5,470	167.00	(910)
STORAGE BUILDING	SF	1,840	55.00	(100)
BUILT-IN EQUIPMENT	LS	-	-	(1,040)
SUPPORTING FACILITIES	-	-	-	730
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(30)
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(410)
SUBTOTAL	-	-	-	2,780
CONTINGENCY (5.0%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2,920
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	180
TOTAL REQUEST	-	-	-	3,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two two-story reinforced concrete buildings with cast-in-place floors, walls, and roofs, pile-supported foundation, interior walls lined with bullet trap systems, utilities, air conditioning, fire protection system, viewing stands; and storage building.				
11. REQUIREMENT: <u>7,310 SF</u> ADEQUATE: <u>0 SF</u> SUBSTANDARD: <u>0 SF</u> <u>PROJECT:</u> Provides indoor tactical training facilities for close quarters battle training accommodating 2,205 students and 108 instructors annually. (Current mission.) <u>REQUIREMENT:</u> Adequate facilities for indoor, close quarters tactical training. The heightened worldwide terrorism threat requires specialized close quarters battle training. The Marine Corps Security Force Battalion, Atlantic (MCSFBNLANT) must be able to effectively train in mission essential techniques, such as forced entry, clearing building or ship of hostile personnel, and shooting within confined spaces. The training conducted in this facility will use live, full caliber ammunition. <u>CURRENT SITUATION:</u> No facility exists to conduct close quarters battle training at this activity. Students are transported to the nearest similar facility, 40 miles away at Little Creek for training. The Little Creek facility was constructed for use by the SEAL teams, and heavy scheduling precludes sufficient time to conduct efficient training. <u>IMPACT IF NOT PROVIDED:</u> Failure to satisfy this training requirement degrades the mission capability of MCSFBNLANT elements, and jeopardizes the personnel and facilities these forces are charged with securing and protecting. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: The status quo is not viable since the training complex for MCSFBNLANT was only recently established as a new mission.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N63891 NAVAL SECURITY GROUP ACTIVITY NORTHWEST, CHESAPEAKE, VIRGINIA		
4. PROJECT TITLE INDOOR RANGE COMPLEX		5. PROJECT NUMBER P-836
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) In 1987, the CNO directed that the Marine Corps establish two Security Force Battalions in support of the Atlantic and Pacific Fleets. The training program for the battalion was instituted at this activity to maximize coordinating with the battalion headquarters in Norfolk, VA, and to take advantage of little used ranges. b. Renovation/Modernization: There are no facilities available which could be converted to satisfy this unique requirement. c. Leasing: There are no commercial facilities available to support this requirement. d. New Construction: New construction is the only viable alternative. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 07-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 50 (C) DATE DESIGN 35% COMPLETE 10-91 (D) DATE DESIGN COMPLETE 06-94 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (100) (B) ALL OTHER DESIGN COSTS (220) (C) TOTAL 320 (D) CONTRACT (250) (E) IN-HOUSE (70) (4) CONSTRUCTION START. 09-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M67001 MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA			4. PROJECT TITLE MULTI-PURPOSE TRAINING RANGE	
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 179.30	7. PROJECT NUMBER P-949	8. PROJECT COST (\$000) 5,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MULTI-PURPOSE TRAINING RANGE	LS	-	-	1,290
SUPPORTING FACILITIES.	-	-	-	3,740
ELECTRICAL UTILITIES	LS	-	-	(880)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(2,660)
SUBTOTAL	-	-	-	5,030
CONTINGENCY (5.0%)	-	-	-	250
TOTAL CONTRACT COST.	-	-	-	5,280
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	320
TOTAL REQUEST.	-	-	-	5,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(1,630)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Automated multi-purpose training range with target emplacements, field service heads, control tower, operation/storage facility, general instruction building, ammunition breakdown facility, two covered shelters, air conditioning, utilities, fire protection system, parking, access roadway, and perimeter trails.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Construct an automated multi-purpose training range to accommodate procurement of the Remoted Engagement Target System (RETS). (Current mission.) <u>REQUIREMENT:</u> Adequate facilities to replace antiquated ranges and provide state of the art targeting systems in support of Marine Corps Training objectives for the main battle tank and the light armored vehicle. The range will provide a crew qualification course and a course to allow crews to train in skills required to engage stationary and moving targets in tactical situations. <u>CURRENT SITUATION:</u> There are no existing facilities capable of supporting this training. Current ranges were developed for older and less sophisticated weapons systems and are not capable of handling the newer systems, requiring units to train away from Camp Lejeune. These ranges are old and deteriorated and cannot accommodate the RETS hardware. Marines receive classroom training and specialized instructions on new weapons and training techniques, but live firing cannot be conducted. The RETS hardware provides moving targets and instantaneous feedback. The feedback capability of RETS informs the shooter of where the rounds are impacting, reducing the expenditure of ammunition, and allowing for detailed critiques at the conclusion of training. (CONTINUED ON DD 1391C)				

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1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: MO0681 MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA			4. PROJECT TITLE AUTOMATED FIELD FIRING RANGE	
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 179.40	7. PROJECT NUMBER P-547	8. PROJECT COST (\$000) 1,350	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AUTOMATED FIELD FIRING RANGE	LS	-	-	910
SUPPORTING FACILITIES.	-	-	-	300
UTILITIES.	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(150)
SUBTOTAL	-	-	-	1,210
CONTINGENCY (5.0%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,270
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	80
TOTAL REQUEST.	-	-	-	1,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(575)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Automated field firing range with underground cabling for Remoted Engagement Target System (RETS) installation, public address system, target system with stationary and moving infantry targets, control tower with air conditioning, utilities, access road, lighting, and removal of existing bunker.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Constructs an automated infantry platoon assault field firing range to accommodate procurement of RETS. (Current mission.) <u>REQUIREMENT:</u> Adequate facilities to replace antiquated ranges and provide state-of-art targeting systems in support of training objectives. The range is required for infantry platoon assault training, familiarization of various weapons, and to maintain proficiency in field firing techniques. <u>CURRENT SITUATION:</u> There are no existing facilities capable of supporting this training. Most of the existing ranges were constructed in the 1950's and some have outdated targeting systems. These ranges are old and deteriorated and cannot accommodate the RETS hardware. Marines receive classroom training and specialized instructions on new weapons and training techniques but actual training is conducted on outdated ranges. The RETS hardware provides moving targets and instantaneous feedback to the shooters unlike the existing systems which provide neither. The feedback capability of RETS informs the shooter of where the rounds are impacting, reducing the expenditure of ammunition, and allowing for detailed critiques at the conclusion of training. <u>IMPACT IF NOT PROVIDED:</u> Continued use of existing ranges, adversely affecting combat and live fire proficiency, the quality of marksmanship, training, and combat readiness.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE										
3. INSTALLATION AND LOCATION/UIC: MO06B1 MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA												
4. PROJECT TITLE AUTOMATED FIELD FIRING RANGE	5. PROJECT NUMBER P-547											
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")												
(1) STATUS: <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(A) DATE DESIGN STARTED.</td> <td style="width: 20%; text-align: right;">04-92</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right;">40</td> </tr> <tr> <td>(C) DATE DESIGN 95% COMPLETE</td> <td style="text-align: right;">05-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">08-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right;">35</td> </tr> </table>			(A) DATE DESIGN STARTED.	04-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	40	(C) DATE DESIGN 95% COMPLETE	05-92	(D) DATE DESIGN COMPLETE	08-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	35
(A) DATE DESIGN STARTED.	04-92											
(B) PERCENT COMPLETE AS OF JANUARY 1993.	40											
(C) DATE DESIGN 95% COMPLETE	05-92											
(D) DATE DESIGN COMPLETE	08-93											
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	35											
(2) BASIS: <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(A) STANDARD OR DEFINITIVE DESIGN:</td> <td style="width: 20%; text-align: right;">YES NO <u>X</u></td> </tr> <tr> <td>(B) WHERE DESIGN WAS MOST RECENTLY USED:</td> <td style="border-bottom: 1px solid black;"></td> </tr> </table>			(A) STANDARD OR DEFINITIVE DESIGN:	YES NO <u>X</u>	(B) WHERE DESIGN WAS MOST RECENTLY USED:							
(A) STANDARD OR DEFINITIVE DESIGN:	YES NO <u>X</u>											
(B) WHERE DESIGN WAS MOST RECENTLY USED:												
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="width: 20%; text-align: right;">(66)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(84)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right;">150</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(120)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(30)</td> </tr> </table>			(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(66)	(B) ALL OTHER DESIGN COSTS	(84)	(C) TOTAL	150	(D) CONTRACT	(120)	(E) IN-HOUSE	(30)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(66)											
(B) ALL OTHER DESIGN COSTS	(84)											
(C) TOTAL	150											
(D) CONTRACT	(120)											
(E) IN-HOUSE	(30)											
(4) CONSTRUCTION START. 11-93 (MONTH AND YEAR)												
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:												
EQUIPMENT <u>NOMENCLATURE</u> REMOTED ENGAGEMENT TARGET SYSTEM (RETS)	PROCURING <u>APPROPRIATION</u> PMC	FISCAL YEAR APPROPRIATED <u>OR REQUESTED</u> 1994										
		COST <u>(\$000)</u> 575										
	TOTAL	575										

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA			4. PROJECT TITLE ANTI-ARMOR TRACKING AND LIVE FIRE RANGE	
5. PROGRAM ELEMENT 0805796M	6. CATEGORY CODE 179.40	7. PROJECT NUMBER P-409	8. PROJECT COST (\$000) 3,970	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ANTI-ARMOR TRACKING AND LIVE FIRE RANGE. . . .	LS	-	-	780
SUPPORTING FACILITIES.	-	-	-	2,790
UTILITIES.	LS	-	-	(890)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,900)
SUBTOTAL.	-	-	-	3,570
CONTINGENCY (5.0%).	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,750
SUPERVISION, INSPECTION & OVERHEAD (6.0%). . .	-	-	-	220
TOTAL REQUEST.	-	-	-	3,970
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(1,090)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Anti-armor tracking and live fire range with control tower, covered bleachers, covered mess, head, ammo-breakdown building, twenty firing positions, two moving and four fixed target emplacements; upgrade existing roads; new crushed aggregate roads with concrete turning pads, parking area, technical operating manuals.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Construct an automated anti-armor tracking and live fire range to accommodate procurement of Remoted Engagement Target System (RETS). (Current mission.) <u>REQUIREMENT:</u> Adequate facilities to provide state-of-the-art ranges and targeting systems in support of Marine Corps training objectives. The range is required for familiarization and proficiency training with light to heavy anti-armor weapons systems for student officers at The Basic School. Additionally, the range will be used for field tracking and qualification exercises with training devices. <u>CURRENT SITUATION:</u> There are no existing facilities capable of supporting this training. Personnel receive classroom training and specialized instructions on new weapons and training techniques, but actual live firing is not conducted and training objectives are not met. The RETS hardware will provide this capability to the students through the use of moving multiple targets and instantaneous feedback to the shooters. The feedback capability of RETS informs the shooter of where the rounds are impacting, which reduces the expenditure of ammunition and also allows for detailed critiques at the conclusion of training. <u>IMPACT IF NOT PROVIDED:</u> Continued use of existing ranges, adversely affecting combat and live fire proficiency, quality of marksmanship, and training of student officers.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE												
3. INSTALLATION AND LOCATION/UIC: MO0264 MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA														
4. PROJECT TITLE ANTI-ARMOR TRACKING AND LIVE FIRE RANGE	5. PROJECT NUMBER P-409													
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not a viable alternative. A moving target range is mission essential for training in the Marine Corps Readiness Evaluation Standard System (MCRESS). The existing fixed target range is outdated and cannot adequately train personnel meeting current standards. b. Renovation/Modernization: There are no available facilities which can be modified to provide satisfactory support for this expanded mission. c. Lease: Leased facilities which can satisfy the requirement do not exist. d. New Construction: New construction is the only viable alternative. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.														
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 05-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 50 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 07-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 25 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES <u>X</u> NO <u> </u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (150) (B) ALL OTHER DESIGN COSTS (50) (C) TOTAL. 200 (D) CONTRACT (150) (E) IN-HOUSE (50) (4) CONSTRUCTION START. 11-93 (MONTH AND YEAR)														
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 35%;">EQUIPMENT NOMENCLATURE</th> <th style="text-align: left; width: 20%;">PROCURING APPROPRIATION</th> <th style="text-align: left; width: 20%;">FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th style="text-align: left; width: 25%;">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>REMOVED ENGAGEMENT TARGET SYSTEM (RETS)</td> <td>PMC</td> <td>1994</td> <td>1,090</td> </tr> <tr> <td colspan="3" style="text-align: right; padding-top: 10px;">TOTAL</td> <td>1,090</td> </tr> </tbody> </table>			EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	REMOVED ENGAGEMENT TARGET SYSTEM (RETS)	PMC	1994	1,090	TOTAL			1,090
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)											
REMOVED ENGAGEMENT TARGET SYSTEM (RETS)	PMC	1994	1,090											
TOTAL			1,090											

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M67399 MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA			4. PROJECT TITLE ANTI-ARMOR TRACKING RANGE MODERNIZATION	
5. PROGRAM ELEMENT O206496M	6. CATEGORY CODE 179.40	7. PROJECT NUMBER P-506	8. PROJECT COST (\$000) 4,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ANTI-ARMOR TRACKING RANGE MODERNIZATION. . . .	LS	-	-	1,620
SUPPORTING FACILITIES.	-	-	-	2,240
UTILITIES.	LS	-	-	(1,390)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(850)
SUBTOTAL	-	-	-	3,860
CONTINGENCY (5.0%).	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	4,050
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	250
TOTAL REQUEST.	-	-	-	4,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(1,090)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Anti-armor tracking range with control tower, weather shelter, ammunition handling pad, head facility, three target carrier houses, two target carrier track beds with earth berms and retaining walls, and utilities; and stabilize tracking roads.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Modernizes an automated anti-armor tracking and live fire range to accommodate procurement of the Remoted Engagement Target System (RETS). (Current mission.) <u>REQUIREMENT:</u> Adequate facilities to provide state-of-the-art ranges and targeting systems in support of Marine Corps training objectives. This range is required for familiarization and proficiency training with the DRAGON and TDW light to heavy anti-armor weapons systems. <u>CURRENT SITUATION:</u> There is no firing range at this center which can support this training. The existing range is old and deteriorated and cannot accommodate the RETS hardware. Marines receive classroom training and specialized instructions on new weapons and training techniques but actual training is conducted on outdated ranges. The RETS hardware provides moving targets and instantaneous feedback to the shooters unlike the existing systems which provide neither. The feedback capability of RETS informs the shooter of where the rounds are impacting which reduces the expenditure of ammunition and also allows for detailed critiques at the conclusion of training. <u>IMPACT IF NOT PROVIDED:</u> Training for the FMF units assigned to this center and to the units participating in the combined arms exercises at this center cannot be accomplished. Continued use of existing ranges adversely affecting combat and live fire proficiency, quality of marksmanship, training, and combat readiness.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE												
3. INSTALLATION AND LOCATION/UIC: M67399 MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA														
4. PROJECT TITLE ANTI-ARMOR TRACKING RANGE MODERNIZATION	5. PROJECT NUMBER P-506													
11. REQUIREMENT: (CONTINUED) ADDITIONAL: Economic Alternatives Considered: a. Status Quo: Not viable. A moving target range is mission essential for training in the Marine Corps Readiness Evaluation Standard System (MCRESS). The existing fixed target range cannot adequately train personnel for battle. b. Renovation/Modernization: This project improves an existing range by providing target emplacements, site preparation for moving targets and scoring system equipment installation. c. Lease: Not viable. There are no commercial ranges in the area. d. New Construction: New construction only is not a viable alternative because the large size of a new range would unnecessarily reduce the available area for conducting Combined Arms Exercises. e. Analysis Results: Net present value calculations were not performed since a combination of renovation and new construction is the only viable alternative.														
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 04-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 40 (C) DATE DESIGN 35% COMPLETE 07-92 (D) DATE DESIGN COMPLETE 09-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (120) (B) ALL OTHER DESIGN COSTS (320) (C) TOTAL. 440 (D) CONTRACT (400) (E) IN-HOUSE (40) (4) CONSTRUCTION START. 12-93 (MONTH AND YEAR)														
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">EQUIPMENT NOMENCLATURE</th> <th style="text-align: left;">PROCURING APPROPRIATION</th> <th style="text-align: left;">FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th style="text-align: left;">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>REMOVED ENGAGEMENT TARGET SYSTEM (RETS)</td> <td>PMC</td> <td>1994</td> <td>1,080</td> </tr> <tr> <td colspan="3" style="text-align: right; padding-top: 10px;">TOTAL</td> <td>1,080</td> </tr> </tbody> </table>			EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	REMOVED ENGAGEMENT TARGET SYSTEM (RETS)	PMC	1994	1,080	TOTAL			1,080
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)											
REMOVED ENGAGEMENT TARGET SYSTEM (RETS)	PMC	1994	1,080											
TOTAL			1,080											

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N68701 TRIDENT TRAINING FACILITY, KINGS BAY, GEORGIA			4. PROJECT TITLE FIRE FIGHTING TRAINING FACILITY	
5. PROGRAM ELEMENT O101896N	6. CATEGORY CODE 179.45	7. PROJECT NUMBER P-501	8. PROJECT COST (\$000) 3,920	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE FIGHTING TRAINING FACILITY.	SF	14,500	-	2,490
TRAINING BUILDING.	SF	8,300	207.00	(1,720)
SUPPORT BUILDING.	SF	6,200	94.00	(580)
BUILT-IN EQUIPMENT.	LS	-	-	(110)
TECHNICAL OPERATING MANUALS.	LS	-	-	(80)
SUPPORTING FACILITIES.	-	-	-	1,030
ELECTRICAL UTILITIES.	LS	-	-	(190)
MECHANICAL UTILITIES.	LS	-	-	(430)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(410)
SUBTOTAL.	-	-	-	3,520
CONTINGENCY (5.0%).	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,700
SUPERVISION, INSPECTION & OVERHEAD (6.0%).	-	-	-	220
TOTAL REQUEST.	-	-	-	3,920
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(1,270)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Two single-story buildings, concrete foundation and floors, concrete and masonry walls, elastomeric roof, fire protection system, waste water treatment system, propane tanks, water storage tanks, air conditioning, utilities; lightning protection, provisions for intrusion detection system, fire alarm and intercom systems, raised computer flooring with CO2 fire suppression system, and compressed air system.				
11. REQUIREMENT: <u>14,500</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Provides an environmentally-acceptable, hands-on fire fighting trainer facility for the submarine community. (New mission.) <u>REQUIREMENT:</u> Adequate and effective 21C12 fire fighting trainer facility with submarine-unique, hands-on, fire fighting training courses in General Submarine Fire Fighting, Basic Team Fire Fighting, and Advanced Team Fire Fighting. Training will be given to 3,240 students annually to satisfy a mandatory requirement for all officers and enlisted personnel. Instructors can produce fire situations at will on simulators until the proper student response is received. This facility will be environmentally clean and offer significantly improved levels of training. <u>CURRENT SITUATION:</u> No submarine-unique realistic fire fighting trainer facility currently exists at this facility. <u>IMPACT IF NOT PROVIDED:</u> Submarine personnel will not be trained under conditions designed for submarine fire fighting and will not gain the skills and confidence necessary to successfully control and extinguish submarine fires. This facility will be unable to meet the established requirements for fire fighting training and the combat readiness of submarines will be degraded.				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS			4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 301		
5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE 100.00	7. PROJECT NUMBER VARIOUS	8. PROJECT COST (\$000) 3,320		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PROJECTS \$1 MILLION AND UNDER - PBD 301 . . .		LS	-	-	3,320
TOTAL REQUEST.		-	-	-	3,320
10. DESCRIPTION OF PROPOSED CONSTRUCTION Specified construction projects (except family housing) having a funded cost of \$1,000,000 or less (see individual project descriptions.)					
11. REQUIREMENT: <u>VARIES</u> . Projects are specifically identified on subsequent sheets.					
12. SUPPLEMENTAL DATA: PROJECT DESIGNS CONFORM TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE". THE ESTIMATED DESIGN STATUS FOR EACH PROJECT IS SHOWN DIRECTLY BELOW THE PROJECT'S DESCRIPTION AND PROVIDES THE FOLLOWING INFORMATION: A. IS THE DATE DESIGN STARTED. B. IS THE DATE DESIGN WILL BE 35% COMPLETE. C. IS THE ESTIMATED DATE DESIGN WILL BE COMPLETE. D. IS THE PERCENTAGE OF DESIGN COMPLETE AS OF SEPTEMBER 1992. E. IS THE PERCENTAGE OF DESIGN COMPLETE AS OF JANUARY 1993.					
(CONTINUED ON DD 1391C)					

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 301		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>OPERATION AND TRAINING FACILITIES</u>			
116.10	P-159	HELICOPTER WASH AND RINSE FACILITY JACKSONVILLE FL NAS	620
Aircraft washracks and rinse facilities are an essential part of an aircraft maintenance program. Increased airframe life and reduced maintenance is directly related to adequate washrack and rinse facility availability. Additional washrack system capability and a deluge rinse facility is required to accommodate the large number of aircraft assigned to this activity. Currently, this station operates one inadequate washrack system for use by helicopter anti-submarine warfare wings which does not meet State and Federal pollution standards. This facility must be shared with transient attack aircraft and helicopters. Aircraft must be cleaned every 28 days. If rinse facilities are available to remove salt when returning from low-level over water operations, the 28-day requirement can be reduced to 14 days. Rinse systems deluge the aircraft with freshwater automatically while being taxied through an unmanned facility. Manpower requirements are significantly less. With the large number of aircraft assigned to Jacksonville and the time it takes to wash an aircraft, the 28-day wash interval cannot be maintained with only one washrack. This project constructs a washrack system, upgrades another and constructs a rinse facility system in support of SH-60F helicopter operations. If this project is not provided, it will greatly minimize the effectiveness of required aircraft corrosion control measures, increase fire hazards for aircraft, and diminish aerodynamic efficiency and safety. (Current mission.) <u>DESIGN INFORMATION:</u> A. 11-90. B. 03-91. C. 08-91. D. 100. E. 100.			
137.10	P-001	OCEANOGRAPHY BUILDING ALTERATIONS GUAM NAVOCEANCOMCEN	500
Closing the Naval Oceanography Command in the Philippines has resulted in the relocation of the functions and personnel to the Naval Oceanography Command Center/Joint Typhoon Warning Center (NAVOCEANCOMCEN/JWTC), Guam. The existing facilities are inadequate and not configured to accommodate the additional equipment and personnel required to provide the increased fleet meteorological and oceanographic support. The addition of the ten relocated billets from the Philippines, computer upgrades, additional equipment, and the installation of the previously ordered new systems will adversely affect direct fleet meteorological support. The NAVOCEANCOMCEN/JWTC is solely responsible for issuing timely and accurate warnings of tropical cyclone development throughout the entire western Pacific and Indian Ocean areas. The Activity also provides extratropical warnings of storms, high winds, and other phenomena hazardous to the operating fleet. Without this project the Activity will not be able to accommodate the functions and personnel relocated from the Philippines and will not be able to provide the fleet and shore activities with the most accurate and timely weather data possible. <u>DESIGN INFORMATION:</u> A. . B. . C. . D. O. E. O.			
143.11	P-955	MATERIALS HANDLING EQUIPMENT SERVICE CENTER ALTERS EARLE NJ NWS	420
Renovates and converts a facility located at Earle's waterfront into three properly layed-out and equipped maintenance areas to more efficiently service and maintain automotive vehicles, materials handling			

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS					
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 301				5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION			COST (\$000)
<u>OPERATION AND TRAINING FACILITIES</u>					
143.11	P-955	MATERIALS HANDLING EQUIPMENT SERVICE CENTER ALTERS equipment, and small boats. Presently, there are no facilities available at the waterfront area that can provide adequate service for the materials handling equipment and small boats. Small boat maintenance and repair is presently done outdoors in a vehicle parking area using lightweight portable hand tools, and is subject to the weather. The building currently used for vehicle maintenance, while exceeding the required space, is not equipped with the proper tools or special work areas. This project provides the necessary alterations required for the specialized built-in equipment and work areas needed to perform maintenance and support services. Without this project, this activity will continue to be unable to service materials handling equipment and small boats at the waterfront area. This will greatly affect Earle's ability to support existing and future homeported ships in the areas of materials handling equipment, small boat and automotive vehicle service and maintenance. (New mission.) ADDITIONAL: This project will be conjunctively funded with NATO. DESIGN INFORMATION: A. 05-92. B. 11-92. C. 09-93. D. 35. E. 40.			
143.45	P-712	ARMORY CAMP PENDLETON CA MCB			480
Adequate armory facilities are required for secure storage of approximately 3,200 weapons and other related items belonging to the Maintenance Battalion. Currently, an aging metal butler building at Pulgas is being used for interim weapons storage. It does not meet security or environmental control standards for permanent weapons storage. Continued storage of military ordnance in these unsatisfactory facilities increases the threat of loss through theft and corrosion. This project will provide the necessary facilities. (Current mission.) DESIGN INFORMATION: A. 07-91. B. 06-92. C. 05-93. D. 35. E. 40.					
171.10	P-505	ACADEMIC INSTRUCTION BUILDING ADDITION TWENTYNINE PALMS CA MAGCC			600
The Tactical Air Operation Module (TAOM) is a new piece of equipment that is being introduced in the Marine Corps inventory. Alterations to the Air Schools Academic Building are currently being accomplished to accommodate this equipment. However, adequate classroom space is unavailable for this training. An addition to the existing building is required to provide more classroom space for training. An interim relocatable facility is being used which provides neither the desired proximity to the equipment nor adequate classroom space. Without this project, this center will continue to use inadequate facilities which will lower the quality of training required to support this module. (Current mission.) DESIGN INFORMATION: A. 03-92. B. 05-92. C. 09-93. D. 35. E. 40.					
171.35	P-292	FUELS TRAINER FACILITY MEMPHIS TN NAS			600
Provides an adequate facility for support of the Aviation Fuels Training Schools, which provide officers and selected members of the Aviation Boatswain's Mate Fuels (ABF) Rating with requisite knowledge in shipboard aircraft fuels, fueling systems, operations, maintenance and repair.					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS					
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 301				5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION			COST (\$000)
<u>OPERATION AND TRAINING FACILITIES</u>					
171.35	P-292	FUELS TRAINER FACILITY			
Skills developed include reclamation procedures, tank stripping, fuel transfer and service, fueling/defueling aircraft and malfunctioning/emergency routing of fuel. Fuels training is currently conducted at NAS Memphis without a fuel systems trainer. This project will continue the consolidation of aviation rate training at Memphis, and will provide a facility to house the fuel system trainer equipment already procured and in storage awaiting a facility. Without this project, training will continue to be degraded, increasing the possibility of loss of aircraft and personnel because of contaminated fuel. (New mission.)					
<u>DESIGN INFORMATION:</u> A. 04-92. B. 06-92. C. 07-93. D. 50. E. 70.					
TOTAL - OPERATION AND TRAINING FACILITIES PROJECTS \$1 MILLION AND UNDER - PBD 301					3,320

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 302

MAINTENANCE AND PRODUCTION FACILITIES

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
211.06	624	MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	MAINTENANCE HANGAR ADDITION	1,950	75
211.14	327	NAVAL AVIATION DEPOT, NORFOLK, VIRGINIA	AIRCRAFT REWORK FACILITY	17,800	77
218.77	235P	NAVY PUBLIC WORKS CENTER, GUAM	TRANSPORTATION PARTS STORAGE FACILITY	1,640	81
TOTAL	- MAINTENANCE AND PRODUCTION FACILITIES			21,390	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M60050 MARINE CORPS AIR STATION, EL TORO, CALIFORNIA			4. PROJECT TITLE MAINTENANCE HANGAR ADDITION	
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 211.06	7. PROJECT NUMBER P-624	8. PROJECT COST (\$000) 1,950	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MAINTENANCE HANGAR ADDITION.	SF	6,630	120.00	800
SUPPORTING FACILITIES.	-	-	-	950
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(150)
UTILITIES.	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(150)
DEMOLITION.	LS	-	-	(490)
SUBTOTAL.	-	-	-	1,750
CONTINGENCY (5.0%).	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%).	-	-	-	110
TOTAL REQUEST.	-	-	-	1,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story reinforced concrete and masonry addition, pile foundation, concrete slab floor, metal roof, air conditioning, sound attenuation, seismic provisions, fire protection system, utilities, parking, demolition of two buildings.				
11. REQUIREMENT: <u>6,630</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Provides an addition to a hangar shop and maintenance administration space to support one F/A-18 squadron. (Current mission.) <u>REQUIREMENT:</u> Adequate hangar space and associated facilities to support the maintenance of the newer, larger F/A-18 aircraft assigned to the West Coast operational F/A-18 fighter squadron. <u>CURRENT SITUATION:</u> Existing hangar was constructed to support smaller and less sophisticated aircraft than the F/A-18, and cannot support this aircraft adequately. Some hangar shop and administration functions must be performed in buildings remote from the hangar. <u>IMPACT IF NOT PROVIDED:</u> Because maintenance of F/A-18 fighters is impeded by the lack of adequate facilities, squadron efficiency and safety is hampered. Ineffective procedures are caused by shop crowding and use of the ramp for hangar functions. (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																						
3. INSTALLATION AND LOCATION/UIC: M60050 MARINE CORPS AIR STATION, EL TORO, CALIFORNIA																								
4. PROJECT TITLE MAINTENANCE HANGAR ADDITION	5. PROJECT NUMBER P-624																							
12. SUPPLEMENTAL DATA:																								
A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(A) DATE DESIGN STARTED.</td> <td style="text-align: right; border-bottom: 1px solid black;">05-92</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right; border-bottom: 1px solid black;">40</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right; border-bottom: 1px solid black;">07-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right; border-bottom: 1px solid black;">01-94</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right; border-bottom: 1px solid black;">35</td> </tr> </table> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right; border-bottom: 1px solid black;">(94)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right; border-bottom: 1px solid black;">(126)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">220</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right; border-bottom: 1px solid black;">(200)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right; border-bottom: 1px solid black;">(20)</td> </tr> <tr> <td>(4) CONSTRUCTION START.</td> <td style="text-align: right; border-bottom: 1px solid black;">04-94</td> </tr> </table> (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE			(A) DATE DESIGN STARTED.	05-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	40	(C) DATE DESIGN 35% COMPLETE	07-92	(D) DATE DESIGN COMPLETE	01-94	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	35	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(94)	(B) ALL OTHER DESIGN COSTS	(126)	(C) TOTAL	220	(D) CONTRACT	(200)	(E) IN-HOUSE	(20)	(4) CONSTRUCTION START.	04-94
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1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N65887 NAVAL AVIATION DEPOT, NORFOLK, VIRGINIA			4. PROJECT TITLE AIRCRAFT REWORK FACILITY	
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 211.14	7. PROJECT NUMBER P-327	8. PROJECT COST (\$000) 17,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AIRCRAFT REWORK FACILITY	SF	118,320	-	14,470
BUILDING	SF	118,320	85.00	(10,060)
BUILT-IN EQUIPMENT	LS	-	-	(4,260)
TECHNICAL OPERATING MANUALS.	LS	-	-	(150)
SUPPORTING FACILITIES.	-	-	-	1,530
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(750)
ELECTRICAL UTILITIES	LS	-	-	(100)
MECHANICAL UTILITIES	LS	-	-	(290)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(390)
SUBTOTAL	-	-	-	16,000
CONTINGENCY (5.0%)	-	-	-	800
TOTAL CONTRACT COST.	-	-	-	16,800
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1,000
TOTAL REQUEST.	-	-	-	17,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	2,541)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story steel frame hangar and shops building, pile foundation, concrete floors, built-up roof over insulation on metal decking, concrete walls with metal panels above; cleaning shop, small surfaces shop, metal bonding shop, fiberglass shop, storage space, administrative space, lunch/break facilities; high-bay area, aircraft access apron, water and noise pollution abatement features, bridge cranes, technical operating manuals, fire protection system, ventilation system, compressed air systems, air conditioning, and utilities.				
11. REQUIREMENT: <u>118,320</u> SF ADEQUATE: <u>Q</u> SF SUBSTANDARD: <u>Q</u> SF				
PROJECT: Provides a replacement structure for facilities housing aircraft component shops, rework hangar, engineering offices and cafeteria, which were rendered unusable due to contamination resulting from a PCB transformer fire. (Current mission.)				
REQUIREMENT: Replacement of contaminated depot rework and support facilities. This activity performs metal, non-metal, hydraulic, and electrical repair of accessories and components for F-14 and A-6 aircraft, and competes for work on a wide variety of other aircraft. This project will provide significant productivity improvements in the rework of defense-critical Navy aircraft. The workload to be performed will remain constant, although its composition will be more varied due to streamlining and competition initiatives.				
CURRENT SITUATION: Facilities performing rework functions were rendered unusable by PCB/dioxin contamination from a transformer fire in April 1986. No permanent adequate space is available for the relocated shop functions. Operations are hindered by shop crowding; process line dispersion among various facilities; costly, time consuming material handling runs; higher on-going levels of management attention to maintain adequate workplaces and workflows, product quality, personnel morale and safety; limited				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N65887 NAVAL AVIATION DEPOT, NORFOLK, VIRGINIA		
4. PROJECT TITLE AIRCRAFT REWORK FACILITY		5. PROJECT NUMBER P-327
11. REQUIREMENT: (CONTINUED) <u>CURRENT SITUATION: (CONTINUED)</u> support flexibility; and limited mobilization capability. In-process storage has been moved into temporary structures. Temporary space continues to be leased off-base for inactive storage items. The contaminated buildings were demolished under an FY 1989 Defense Environmental Restoration Account project. Purchase of two temporary tension fabric structures was required for storage and to house some operational functions. They have no heat, limited lighting, and are not suitable for long-term use for these functions. The components and parts cleaning shop is now located in a building remote from the core industrial activities. Cleaning is integral to the operations and should be collocated with other rework operations. The rework cycle time is inherently stretched out because of the inability to consolidate component rework operations under one roof. Consequently, a subtle but on-going requirement exists to maintain higher levels of components in the supply/rework pipeline to support aircraft availability. Overcrowding of shops because of the loss of the two buildings has degraded worker morale. Moreover, the temporary fabric structures are not comfortable workplaces, and the dispersion of functions requires additional material and personnel movements which reduce production flow. <u>IMPACT IF NOT PROVIDED:</u> Repair turn-around-times, worker safety, quality, logistics costs, and worker morale will remain sub-optimal. Turnaround times for rework of Fleet tactical aircraft will continue to be stretched. <u>ADDITIONAL:</u> Directed by DOD, the Navy is in the process of streamlining depot level maintenance operations and consolidating inventory control point functions while maintaining capabilities and competitiveness. This project was reviewed for interservicing alternatives and recommended for construction by the Joint Services Maintenance Review Panel. Economic Alternatives Considered: a. Status Quo: Currently, no adequate permanent space is available for the aircraft component rework shops. These functions were abruptly dispersed following the loss of 344,102 SF of industrial space due to a PCB/Dioxin transformer fire in 1986. Restoration costs and risks were determined to be excessive for the WW II facilities affected and they were demolished in 1989. As an interim measure, the shops were placed into whatever covered space was available including former aiseways and storage areas. In-process storage was moved into three unheated canvas tension fabric structures. Segmenting of shops functions has resulted in higher internal material handling costs, higher management attention to assure quality, and limited quick-response capability to fulfill Fleet needs. In summary the current facilities are inadequate, crowded, and only marginally able to meet environmental and safety regulations; these conditions have not helped work-force morale and may have an effect in productivity. b. Renovation/Modernization: Modernization of the existing inadequate and dispersed facilities was considered in an economic analysis. The analysis indicated this was not a cost-effective alternative. c. Lease: Off-base leasing of a component shop of this size and process complexity, able to meet existing environmental and safety regulations, is not economically feasible. d. New Construction: Construction of a new component shop will consolidate all dispersed functions into one state of the art industrial production facility. This alternative is justified by an economic analysis that shows a payback of approximately 7 years. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life cycle cost among the viable alternatives. (CONTINUED ON DD 1391C)		

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1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62395 NAVY PUBLIC WORKS CENTER, GUAM			4. PROJECT TITLE TRANSPORTATION PARTS STORAGE FACILITY	
5. PROGRAM ELEMENT O702096N	6. CATEGORY CODE 218.77	7. PROJECT NUMBER P-235P	8. PROJECT COST (\$000) 1,640	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
TRANSPORTATION PARTS STORAGE FACILITY.	SF	10,000	120.00	1,200
SUPPORTING FACILITIES.	-	-	-	270
UTILITIES.	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(110)
SUBTOTAL	-	-	-	1,470
CONTINGENCY (5.0%).	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,540
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	100
TOTAL REQUEST.	-	-	-	1,640
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story reinforced concrete building, fire alarm system, mechanical ventilation, utilities, fencing, parking, and driveway.				
11. REQUIREMENT: <u>10,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Constructs a transportation parts storage facility. (New mission.) <u>REQUIREMENT:</u> Guam will receive an abundance of automotive equipment and parts as a result of the military withdrawal from the Philippines. An adequate facility is required for secure, controlled, and centralized storage to support the maintenance of the relocated equipment. (New mission.) <u>CURRENT SITUATION:</u> Guam does not have a facility dedicated to automotive repair shop storage, and there are no facilities at other activities that could be used or converted to support this requirement. <u>IMPACT IF NOT PROVIDED:</u> Continued storage of valuable automotive repair parts in temporary structures susceptible to typhoon damage.				
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. <u>08-92</u> (B) PERCENT COMPLETE AS OF JANUARY 1993. <u>35</u> (C) DATE DESIGN 35% COMPLETE <u>11-92</u> (D) DATE DESIGN COMPLETE <u>08-93</u> (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. <u>10</u> (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N62395 NAVY PUBLIC WORKS CENTER, GUAM		
4. PROJECT TITLE TRANSPORTATION PARTS STORAGE FACILITY		5. PROJECT NUMBER P-235P
12. SUPPLEMENTAL DATA: (CONTINUED)		
(2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u>		
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (<u>88</u>) (B) ALL OTHER DESIGN COSTS (<u>87</u>) (C) TOTAL <u>175</u> (D) CONTRACT (<u>95</u>) (E) IN-HOUSE (<u>80</u>) (4) CONSTRUCTION START. <u>01-94</u> (MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 303

RESEARCH, DEVELOPMENT, AND TEST FACILITIES

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
310.33	061	COMDR OPERATIONAL TEST & EVALUATION FORCE, NORFOLK, VIRGINIA	OPERATIONS TEST AND EVALUATION MANAGEMENT CENTER	8,200	85
312.25	040	NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	NAVAL CENTER FOR SPACE TECHNOLOGY	2,000	89
315.30	338	NAVAL SURFACE WEAPONS CENTER DETACHMENT, WALLOPS ISLAND, VIRGINIA	SHIP SELF-DEFENSE ENGINEERING FACILITY	10,300	91
TOTAL	-	RESEARCH, DEVELOPMENT, AND TEST FACILITIES		20,500	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N57023 COMDR OPERATIONAL TEST & EVALUATION FORCE, NORFOLK, VIRGINIA			4. PROJECT TITLE OPERATIONS TEST AND EVALUATION MANAGEMENT CENTER	
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 310.33	7. PROJECT NUMBER P-061	8. PROJECT COST (\$000) 8,200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
OPERATIONS TEST EVALUATION & MANAGEMENT CEN. .	SF	62,700	-	6,040
BUILDING	SF	59,890	95.00	(5,690)
COMPUTER CENTER.	SF	2,810	125.00	(350)
BUILT-IN EQUIPMENT	LS	-	-	(90)
SUPPORTING FACILITIES.	-	-	-	1,300
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(110)
ELECTRICAL UTILITIES	LS	-	-	(90)
MECHANICAL UTILITIES	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(410)
DEMOLITION	LS	-	-	(420)
SUBTOTAL	-	-	-	7,340
CONTINGENCY (5.0%)	-	-	-	370
TOTAL CONTRACT COST.	-	-	-	7,710
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	460
TOTAL REQUEST.	-	-	-	8,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Three-story steel frame building, pile foundation, concrete floors, masonry walls, elastomeric roof, two elevators and vaults; fire protection system, air conditioning, area lighting, utilities, and parking; demolition of four buildings and portions of flexible pavement and sidewalk.				
11. REQUIREMENT: <u>62,700</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Provides an operations test and evaluation management center. (Current mission.) <u>REQUIREMENT:</u> An adequate and properly-configured facility for the Commander, Operational Test and Evaluation Force (COMOPTEVFOR) who is responsible for testing and evaluating weapon systems, ships, aircraft and equipment in the anticipated environment and against the anticipated threats; and who develops and validates procedures and tactics for employing these weapon systems. When directed by CNO, assists developing agencies in the accomplishment of necessary developmental tests and evaluations. The organizational structure will consolidate at COMOPTEVFOR, Norfolk from the Deputy OPTEVFOR Pacific, Coronado, California. This consolidation cannot take place until the new operational test and evaluation management center is complete. <u>CURRENT SITUATION:</u> The current facilities are inadequate for the number of people currently on board and the organizational consolidation cannot take place until the new management center is completed. An Engineering Evaluation completed in September 1988 found the present buildings to be inadequate. There are numerous significant documented deficiencies in the obsolete electrical, heating, ventilation, air conditioning, and plumbing systems, as well as deteriorated building structure caused by age, rot and termites. Repairs to these buildings have been made in a piecemeal fashion and since 1982 expenditures have been averaging over				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE												
3. INSTALLATION AND LOCATION/UIC: N57023 COMDR OPERATIONAL TEST & EVALUATION FORCE, NORFOLK, VIRGINIA														
4. PROJECT TITLE OPERATIONS TEST AND EVALUATION MANAGEMENT CENTER		5. PROJECT NUMBER P-061												
11. REQUIREMENT: (CONTINUED) <u>CURRENT SITUATION: (CONTINUED)</u> \$315,000 per year and do not include the Command's maintenance self-help projects. Deficiencies exist in the physical, functional, and design criteria. The need to maintain tight physical security has prompted costly, and in some cases futile, attempts to alter the existing building to meet security criteria. <u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the current facility will continue to operate inefficiently, deteriorate, cost increasingly more to maintain, and will be unable to support the Command's consolidation. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: The existing facilities, built in 1942, are in inadequate condition, both physically and spatially (temporary trailers were purchased to hold a division). Excessive maintenance is done on a weekly basis and expensive special projects are required to repair roofs and seal leaking walls. The existing facilities are not large enough to accommodate the deputy command, arriving in FY93. Due to expensive maintenance and a space deficit, the status quo is not a viable option. b. Renovation/Modernization: The original buildings were not designed for administrative space; total renovation and an addition are required to satisfy requirements. To accomplish renovation and construction of an addition, COMOPTEVFOR would have to move to leased space for approximately two years. In the economic analysis, this alternative was the most expensive. c. Lease: Since the lease for replacement facilities would exceed \$200,000 per year, it would be processed in accordance with GSA regulations. The process requires congressional approval and takes between 18 to 24 months to implement. Intangible costs of multiple moves in the long-term makes this an undesirable alternative (intangible costs include the stress and disorientation of moving). Depending on the location, traffic congestion may also be a factor. Other real costs that were unable to be quantified include the extensive government administrative costs of the GSA lease division. In keeping with DOD policies, that leasing is a temporary solution to permanent construction, the lease option is not preferred over new construction. d. New Construction: New construction costs less than renovation/modernization and provides the best permanent solution. e. Analysis Results: Two net present value analyses were performed, one using a flat 10% discount factor and the other using an adjusted discount factor (adjusted to the U.S. Treasury, approximately 8%): <table style="margin-left: 40px; border: none;"> <thead> <tr> <th style="text-align: left;">ALTERNATIVE</th> <th style="text-align: left;">10%DISCOUNT FACTOR</th> <th style="text-align: left;">ADJUSTED DISCOUNT FACTOR</th> </tr> </thead> <tbody> <tr> <td>(1) Lease</td> <td>\$8,079,080</td> <td>\$13,427,490</td> </tr> <tr> <td>(2) Reno/Modn</td> <td>\$17,166,570</td> <td>\$27,897,060</td> </tr> <tr> <td>(3) New Construction</td> <td>\$8,774,880</td> <td>\$12,636,350</td> </tr> </tbody> </table> <u>Sensitivity Analysis:</u> The lease alternative above was calculated using today's rental rate and assumed the rent would stay constant except for the differential inflation rate of 1.5% in the discount factors. In reality, leases are renegotiated and most likely for a more expensive contract. For the past several years, the real estate market has slumped in the tidewater area, creating a surplus of inexpensive rental property. Future rents and/or renegotiated rents may be much higher than the present rates. Sensitivity analysis was done by increasing the cost of leasing in increments of 10% every 10 years. The results are shown in the economic analysis. Between a 20 and 30 percent increase in renegotiated lease rate, construction becomes less expensive than leasing. Renegotiated Lease Net Present Value			ALTERNATIVE	10%DISCOUNT FACTOR	ADJUSTED DISCOUNT FACTOR	(1) Lease	\$8,079,080	\$13,427,490	(2) Reno/Modn	\$17,166,570	\$27,897,060	(3) New Construction	\$8,774,880	\$12,636,350
ALTERNATIVE	10%DISCOUNT FACTOR	ADJUSTED DISCOUNT FACTOR												
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(2) Reno/Modn	\$17,166,570	\$27,897,060												
(3) New Construction	\$8,774,880	\$12,636,350												

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																												
3. INSTALLATION AND LOCATION/UIC: N57023 COMDR OPERATIONAL TEST & EVALUATION FORCE, NORFOLK, VIRGINIA																														
4. PROJECT TITLE OPERATIONS TEST AND EVALUATION MANAGEMENT CENTER	5. PROJECT NUMBER P-061																													
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL</u> : (CONTINUED) <table style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 40%;">20%</td> <td style="width: 40%; text-align: right;">\$8,667,210</td> <td style="width: 20%;"></td> </tr> <tr> <td>30%</td> <td style="text-align: right;">\$8,974,490</td> <td></td> </tr> </table>			20%	\$8,667,210		30%	\$8,974,490																							
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30%	\$8,974,490																													
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 80%;">(A) DATE DESIGN STARTED.</td> <td style="width: 20%; text-align: right;">07-92</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right;">40</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">09-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">06-94</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right;">35</td> </tr> </table> (2) BASIS: <table style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 70%;">(A) STANDARD OR DEFINITIVE DESIGN:</td> <td style="width: 30%; text-align: right;">YES ___ NO <u>X</u></td> </tr> <tr> <td colspan="2">(B) WHERE DESIGN WAS MOST RECENTLY USED: _____</td> </tr> </table> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 80%;">(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="width: 20%; text-align: right;">(400)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(500)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right;">900</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(800)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(100)</td> </tr> </table> (4) CONSTRUCTION START. <table style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 80%;"></td> <td style="width: 20%; text-align: right;">09-94</td> </tr> <tr> <td></td> <td style="text-align: right;">(MONTH AND YEAR)</td> </tr> </table>			(A) DATE DESIGN STARTED.	07-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	40	(C) DATE DESIGN 35% COMPLETE	09-92	(D) DATE DESIGN COMPLETE	06-94	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	35	(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO <u>X</u>	(B) WHERE DESIGN WAS MOST RECENTLY USED: _____		(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(400)	(B) ALL OTHER DESIGN COSTS	(500)	(C) TOTAL	900	(D) CONTRACT	(800)	(E) IN-HOUSE	(100)		09-94		(MONTH AND YEAR)
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	(MONTH AND YEAR)																													
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE																														

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO173 NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA			4. PROJECT TITLE NAVAL CENTER FOR SPACE TECHNOLOGY	
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 312.25	7. PROJECT NUMBER P-040	8. PROJECT COST (\$000) 2,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
NAVAL CENTER FOR SPACE TECHNOLOGY.	SF	8,610	-	1,440
BUILDING	SF	8,610	124.00	(1,070)
BUILT-IN EQUIPMENT	LS	-	-	(370)
SUPPORTING FACILITIES.	-	-	-	360
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(90)
UTILITIES.	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(80)
SUBTOTAL	-	-	-	1,800
CONTINGENCY (5.0%).	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,890
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST.	-	-	-	2,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story steel frame building, pile foundation, concrete floors, built-up roof, masonry walls, sensitive compartmented information facility (SCIF) construction, raised computer flooring, high-bay area, 15-ton bridge crane with 60' hook height, radio frequency shielded anechoic chamber, computer software laboratory, special environmental control system, isolated and filtered electrical utility system, fire protection system, utilities.				
11. REQUIREMENT: <u>8,610</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF PROJECT: Provides a Sensitive Compartmented Information Facility (SCIF) for conducting research, assembly, test, and qualification functions necessary for the development and integration of the next generation of classified space and spacecraft technology capability for Navy, DoD, and national missions. (New mission.) REQUIREMENT: A SCIF is required to support assembly, electrical checkout, and integration for the next generation classified space and spacecraft capabilities for Navy, DoD, and national missions. Facilities are required to accommodate the new generation hardware for space and spacecraft systems currently being designed. CURRENT SITUATION: Facilities do not exist which could be used for the development of the next generation of classified space and spacecraft capability mandated by DOD and national policy. Secure electronic laboratories do not exist. The isolation of all power, communications, acoustics, ventilation, and physical access cannot be economically added to the existing buildings. Existing space is being used for testing and integration on the present generation capabilities and the existing SCIF cannot accommodate the size and weight of the next generation hardware. (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO173 NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE NAVAL CENTER FOR SPACE TECHNOLOGY		5. PROJECT NUMBER P-O40
11. REQUIREMENT: (CONTINUED) <u>IMPACT IF NOT PROVIDED:</u> The next generation of space and spacecraft technology of classified capability, currently budgeted and funded, will be adversely impacted if the new facility is not provided. A second program currently in the President's budget will be similarly impacted. Delay beyond FY94 funding will not allow this Laboratory to meet established development milestones for the next generation classified capability. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: There is no facility available for electrical test and integration for the next generation hardware for a Navy and national mission. Failure to provide this facility will impact national mission milestones. b. Renovation/Modernization: There is no existing facility at NRL with the high-bay space high enough to accommodate the hardware to be tested and integrated. c. Lease: There is no private facility in the area with both the high bay and security requirements. An analysis has been performed on the expense to package and ship the hardware to secure high-bay facilities that exist (in California and New Jersey) for the required electrical test and integration. The payback period is less than two years. d. New Construction: New construction is the lowest cost alternative based on the economic analysis. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life cycle cost among the viable alternatives.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1180, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 06-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 10-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 25 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (100) (B) ALL OTHER DESIGN COSTS (50) (C) TOTAL 150 (D) CONTRACT (100) (E) IN-HOUSE (50) (4) CONSTRUCTION START. 02-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: N46411 NAVAL SURFACE WEAPONS CENTER DETACHMENT, WALLOPS ISLAND, VIRGINIA			4. PROJECT TITLE SHIP SELF-DEFENSE ENGINEERING FACILITY		
5. PROGRAM ELEMENT 0605096N	6. CATEGORY CODE 315.30	7. PROJECT NUMBER P-338	8. PROJECT COST (\$000) 10,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
SHIP SELF-DEFENSE ENGINEERING FACILITY		SF	32,600	-	6,520
BUILDING		SF	32,600	139.00	(4,530)
BUILT-IN EQUIPMENT		LS	-	-	(1,990)
SUPPORTING FACILITIES		-	-	-	2,740
SPECIAL CONSTRUCTION FEATURES		LS	-	-	(500)
UTILITIES, PAVING AND SITE IMPROVEMENT		LS	-	-	(2,240)
SUBTOTAL		-	-	-	9,260
CONTINGENCY (5.0%)		-	-	-	460
TOTAL CONTRACT COST		-	-	-	9,720
SUPERVISION, INSPECTION & OVERHEAD (6.0%)		-	-	-	580
TOTAL REQUEST		-	-	-	10,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story steel-frame building, pile foundation, concrete floors and load bearing roof, raised computer flooring; two Sensitive Compartmented Information Facility areas, security vaults, sensor tower and foundation pad, grounding, electromagnetic environmental attenuation measures, fire protection and fire alarm systems, air conditioning, utilities and security fence.					
11. REQUIREMENT: <u>32,600</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF PROJECT: Provides a Ship Self-Defense Combat System (SSDCS) required to perform advanced shipboard warfare systems development and testing, radar and sensor systems integration, sensor and data fusion, and to investigate systems integration and inter-operability issues. (New mission.) REQUIREMENT: Adequate and strategically located facilities to support the research, development, test, and evaluation of Naval surface combatant warfare systems. The facility must be sited on a land-based engineering activity located in a marine environment. Integrated sensor and engagement systems are required to effectively counter the anti-missile threats of the future. CURRENT SITUATION: RDT&E efforts on new concepts and systems are being performed in inadequate space leased from NASA Wallops Flight Facility. The lease expires in December 1995. The expanding NASA mission at the facility will require the Navy to secure other space. The inadequacy of existing facilities, inability to expand at the present site, and the pending expiration of the use permit dictate that the Navy construct adequate facilities to continue SSDCS Program support. IMPACT IF NOT PROVIDED: The SSDCS development effort cannot be performed in a timely and effective manner. After the loss of the existing facility in 1995, this center will not be capable of adequately supporting the SSDCS program.					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE										
3. INSTALLATION AND LOCATION/UIC: N46411 NAVAL SURFACE WEAPONS CENTER DETACHMENT, WALLOPS ISLAND, VIRGINIA												
4. PROJECT TITLE SHIP SELF-DEFENSE ENGINEERING FACILITY		5. PROJECT NUMBER P-338										
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: There are no facilities available which can operationally support the end-to-end engineering and evaluation requirements of the SSDCS program. b. Renovation/Modernization: Current leased facilities cannot accommodate the engineering and evaluation of this NSWC program. c. Lease: There are no facilities in the vicinity of Wallops Island which can be leased for this program. d. New Construction: Construction is the only alternative that will satisfy all of the program requirements. e. Analysis Results: Since new construction was determined as the only viable alternative, net present value calculations have not been performed.												
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")												
(1) STATUS: <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(A) DATE DESIGN STARTED</td> <td style="width: 20%; text-align: right;">05-92</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right;">50</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">11-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">07-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right;">25</td> </tr> </table>			(A) DATE DESIGN STARTED	05-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	50	(C) DATE DESIGN 35% COMPLETE	11-92	(D) DATE DESIGN COMPLETE	07-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	25
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(B) PERCENT COMPLETE AS OF JANUARY 1993.	50											
(C) DATE DESIGN 35% COMPLETE	11-92											
(D) DATE DESIGN COMPLETE	07-93											
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	25											
(2) BASIS: <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(A) STANDARD OR DEFINITIVE DESIGN:</td> <td style="width: 20%; text-align: right;">YES___NO <u>X</u></td> </tr> <tr> <td>(B) WHERE DESIGN WAS MOST RECENTLY USED: _____</td> <td></td> </tr> </table>			(A) STANDARD OR DEFINITIVE DESIGN:	YES___NO <u>X</u>	(B) WHERE DESIGN WAS MOST RECENTLY USED: _____							
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(B) WHERE DESIGN WAS MOST RECENTLY USED: _____												
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(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(400)											
(B) ALL OTHER DESIGN COSTS	(500)											
(C) TOTAL	900											
(D) CONTRACT	(800)											
(E) IN-HOUSE	(100)											
(4) CONSTRUCTION START 11-93 (MONTH AND YEAR)												
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE												

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 304

SUPPLY FACILITIES

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
421.32	447	NAVAL MAGAZINE, GUAM	INERT STOREHOUSES	4,500	95
421.32	830P	NAVAL MAGAZINE, GUAM	INERT STOREHOUSES	4,700	97
421.72	143	NAVAL WEAPONS STATION ANNEX, FALLBROOK, CALIFORNIA	HARM MISSILE MAGAZINES	4,700	101
421.72	427	NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA	HARPOON MISSILE MAGAZINES	1,080	103
441.10	601	VARIOUS LOCATIONS	EQUIPMENT STORAGE AND MAINTENANCE BUILDING	1,350	105
441.10	152P	NAVAL SUPPLY DEPOT, GUAM	INTEGRATED STORAGE AND HANDLING FACILITY	22,400	107
441.10	003	NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA	FIRE PROTECTION SYSTEM	2,300	109
441.10	067	NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	FIRE PROTECTION SYSTEM	700	116
441.11	276	MARINE CORPS RECRUIT DEPOT, SAN DIEGO, CALIFORNIA	WAREHOUSE	1,230	111
441.35	151P	NAVAL SUPPLY DEPOT, GUAM	GAS BOTTLE STORAGE FACILITY	1,250	113
TOTAL	-	SUPPLY FACILITIES		44,210	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N60872 NAVAL MAGAZINE, GUAM			4. PROJECT TITLE INERT STOREHOUSES	
5. PROGRAM ELEMENT 02O4996N	6. CATEGORY CODE 421.32	7. PROJECT NUMBER P-447	8. PROJECT COST (\$000) 4,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
INERT STOREHOUSES.	SF	17,000	154.00	2,620
SUPPORTING FACILITIES.	-	-	-	1,400
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(480)
UTILITIES.	LS	-	-	(470)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(450)
SUBTOTAL.	-	-	-	4,020
CONTINGENCY (5.0%).	-	-	-	200
TOTAL CONTRACT COST.	-	-	-	4,220
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	280
TOTAL REQUEST.	-	-	-	4,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two reinforced concrete buildings, pile foundations; loading/unloading areas; automatic sprinkler and alarm systems, utility connection, and storm drainage system.				
11. REQUIREMENT: <u>17,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Constructs inert storehouses. (Current mission.) <u>REQUIREMENT:</u> Adequate, safe, typhoon-resistant inert storage facilities. This activity has the requirement to store ordnance, as well as inert ordnance materials such as fins and pallets. The existing adequate assets satisfy approximately 35 percent of the requirement and the substandard assets satisfy another 25 percent. There is an actual space deficiency of 50,430 square feet of storage space. <u>CURRENT SITUATION:</u> This activity does not have sufficient storage space for inert materials. A large portion of the inert material is stored outdoors in the highly corrosive and harsh climate. This situation is unacceptable because surface rust will build up in the stored material requiring repair or replacement. Pins, links, and springs of bomb fins bind up as a result of the dusty conditions. If bomb fins become useless because of corrosion or malfunctioning parts, the bombs themselves, for which the fins were intended, will be rendered unusable until new fins are procured or fins are repaired at a very high cost. <u>IMPACT IF NOT PROVIDED:</u> This activity will continue the unacceptable practice of storing inert material without weather protection. The deterioration of inert handling and storage equipment which results in increased maintenance costs will continue. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not a viable alternative. Existing				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N60872 NAVAL MAGAZINE, GUAM		
4. PROJECT TITLE INERT STOREHOUSES		5. PROJECT NUMBER P-447
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL</u> : (CONTINUED) conditions of using open storage for inert materials is unacceptable. b. Renovation/Modernization: There are no facilities available which can be renovated, modernized, altered, or converted to accommodate the storage of inert material. c. Lease: This alternative is not feasible. There is currently a severe shortage of warehouse space on Guam, and none of the existing warehouses can satisfy the requirement. d. New Construction: Construction of an inert storehouse will reduce the storage deficiency problem this activity faces. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. <u>04-92</u> (B) PERCENT COMPLETE AS OF JANUARY 1993. <u>50</u> (C) DATE DESIGN 35% COMPLETE <u>11-92</u> (D) DATE DESIGN COMPLETE <u>09-93</u> (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. <u>20</u> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (<u>240</u>) (B) ALL OTHER DESIGN COSTS (<u>280</u>) (C) TOTAL <u>520</u> (D) CONTRACT (<u>450</u>) (E) IN-HOUSE (<u>70</u>) (4) CONSTRUCTION START. <u>01-94</u> (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION/UIC: N60872 NAVAL MAGAZINE, GUAM		4. PROJECT TITLE INERT STOREHOUSES	
5. PROGRAM ELEMENT O2O4996N	6. CATEGORY CODE 421.32	7. PROJECT NUMBER P-830P	8. PROJECT COST (\$000) 4,700
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST COST (\$000)
INERT STOREHOUSES.	SF	17,000	180.00 3,060
SUPPORTING FACILITIES.	-	-	1,140
SPECIAL CONSTRUCTION FEATURES.	LS	-	(360)
ELECTRICAL UTILITIES.	LS	-	(270)
MECHANICAL UTILITIES.	LS	-	(210)
PAVING AND SITE IMPROVEMENT.	LS	-	(300)
SUBTOTAL.	-	-	4,200
CONTINGENCY (5.0%).	-	-	210
TOTAL CONTRACT COST.	-	-	4,410
SUPERVISION, INSPECTION & OVERHEAD (6.5%).	-	-	290
TOTAL REQUEST.	-	-	4,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two single-story concrete buildings, reinforced concrete footings, floor slab, ramps, walls and roof; fire sprinkler and alarm system, ventilation system, utilities, and storm drainage.			
11. REQUIREMENT: <u>17,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF			
<u>PROJECT:</u> Provides an adequate, safe, and typhoon resistant inert storage facility. <u>REQUIREMENT:</u> Essential facilities required to support the relocation of Navy operational and support functions from the Philippines to Naval Complex Guam and Andersen Air Force Base (AAFB). There is a requirement to withdraw all remaining Navy assets from the Subic Bay/Cubi Point Naval Complex by December 1992. Two events have prevented extending the Base Rights Agreements: 1) the eruption of Mt. Pinatubo, rendering Clark Air Force Base and the Crow Valley Training Range unusable; and 2) the inability to square Philippine political needs with U.S. operational requirements for Subic Bay and Cubi Point. U.S. national interests still require a credible forward presence in the region. However, there is no plan to replicate Philippine facilities at any single location, allowing significant reduction of the U.S. presence in the western Pacific while retaining influence in the region. Less than one-quarter (1,232) of the more than 6,000 military and civilian billets will be relocated to Guam. Most of the remaining billets will be eliminated (over 4,000), with the remainder (less than 500) going to other locations. Military construction support in Guam is essential to the relocation plan. Facilities requirements in Guam are especially acute, since operational and quality of life facilities there are already stretched to capacity, even before the arrival of more than 2,000 new military personnel and family members. The Commander-in-Chief, Pacific endorses the relocation of units to Guam and has advocated before Congress the need for investing in U.S. military personnel assigned to Guam and for the advancement of U.S. national interests in the region. This activity has the requirement			

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																								
3. INSTALLATION AND LOCATION/UIC: N60872 NAVAL MAGAZINE, GUAM																										
4. PROJECT TITLE INERT STOREHOUSES		5. PROJECT NUMBER P-830P																								
11. REQUIREMENT: (CONTINUED) <u>REQUIREMENT: (CONTINUED)</u> to store ordnance as well as inert ordnance materials, such as fins and pallets. Currently, the existing adequate assets satisfy approximately 35% of the requirement, and the substandard assets satisfy another 25%. The activity has an actual space deficiency of 50,430 SF of storage space, and the situation is becoming more critical since there are no facilities to store materials arriving from the Philippines. <u>CURRENT SITUATION:</u> The activity does not have sufficient storage space to accommodate inert materials being relocated from the Philippines. A large portion of the inert material at Guam is stored outdoors in a highly corrosive and harsh climate. This situation is unacceptable because surface rust will build up in the stored material, necessitating repair or replacement. Pins, links, and springs of bomb fins bind up as a result of dusty conditions. If bomb fins become useless due to corrosion or malfunctioning parts, the bombs themselves will be rendered unusable until new fins are procured, or until fins are repaired at a very high cost. <u>IMPACT IF NOT PROVIDED:</u> Continued storage of valuable inert materials outdoors, subjecting them to deterioration from the weather. This deterioration will result in increased maintenance and repair costs. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not a viable alternative. This project is a direct result of a forced relocation, and this activity does not have adequate facilities to store incoming material. b. Renovation/Modernization: The Naval Magazine does not have any facilities that can be renovated, modernized, or converted to accommodate the storage of inert material. c. Lease: There is currently a severe shortage of warehouse space on Guam. If warehouse space were available, the excessive price (\$3,000/SF/Month) make leasing economically unfeasible. d. New Construction: Construction of an inert storehouse will provide the storage required to meet the new requirement. e. Analysis Results: Net Present Value calculations were not performed since new construction is the only viable alternative.																										
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1180, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="margin-left: 80px; border: none;"> <tr><td>(A) DATE DESIGN STARTED.</td><td style="text-align: right;">05-92</td></tr> <tr><td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td><td style="text-align: right;">0</td></tr> <tr><td>(C) DATE DESIGN 35% COMPLETE</td><td style="text-align: right;">05-93</td></tr> <tr><td>(D) DATE DESIGN COMPLETE</td><td style="text-align: right;">08-93</td></tr> <tr><td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td><td style="text-align: right;">0</td></tr> </table> (2) BASIS: <table style="margin-left: 80px; border: none;"> <tr><td>(A) STANDARD OR DEFINITIVE DESIGN:</td><td style="text-align: right;">YES ___ NO <u>X</u></td></tr> <tr><td>(B) WHERE DESIGN WAS MOST RECENTLY USED:</td><td style="text-align: right;"><u>N/A</u></td></tr> </table> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="margin-left: 80px; border: none;"> <tr><td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td><td style="text-align: right;">(229)</td></tr> <tr><td>(B) ALL OTHER DESIGN COSTS</td><td style="text-align: right;">(229)</td></tr> <tr><td>(C) TOTAL</td><td style="text-align: right;">458</td></tr> <tr><td>(D) CONTRACT</td><td style="text-align: right;">(321)</td></tr> <tr><td>(E) IN-HOUSE</td><td style="text-align: right;">(137)</td></tr> </table> (CONTINUED ON DD 1391C)			(A) DATE DESIGN STARTED.	05-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	0	(C) DATE DESIGN 35% COMPLETE	05-93	(D) DATE DESIGN COMPLETE	08-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	0	(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO <u>X</u>	(B) WHERE DESIGN WAS MOST RECENTLY USED:	<u>N/A</u>	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(229)	(B) ALL OTHER DESIGN COSTS	(229)	(C) TOTAL	458	(D) CONTRACT	(321)	(E) IN-HOUSE	(137)
(A) DATE DESIGN STARTED.	05-92																									
(B) PERCENT COMPLETE AS OF JANUARY 1993.	0																									
(C) DATE DESIGN 35% COMPLETE	05-93																									
(D) DATE DESIGN COMPLETE	08-93																									
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	0																									
(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO <u>X</u>																									
(B) WHERE DESIGN WAS MOST RECENTLY USED:	<u>N/A</u>																									
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(229)																									
(B) ALL OTHER DESIGN COSTS	(229)																									
(C) TOTAL	458																									
(D) CONTRACT	(321)																									
(E) IN-HOUSE	(137)																									

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N60872 NAVAL MAGAZINE, GUAM		
4. PROJECT TITLE INERT STOREHOUSES	5. PROJECT NUMBER P-830P	
12. SUPPLEMENTAL DATA: (CONTINUED) (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0396 NAVAL WEAPONS STATION ANNEX, FALLBROOK, CALIFORNIA			4. PROJECT TITLE HARM MISSILE MAGAZINES	
5. PROGRAM ELEMENT 0702031N	6. CATEGORY CODE 421.72	7. PROJECT NUMBER P-143	8. PROJECT COST (\$000) 4,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
HARM MISSILE MAGAZINES	SF	18,500	-	3,300
MAGAZINES.	SF	18,500	160.00	(2,960)
LOADING DOCK	LS	-	-	(340)
SUPPORTING FACILITIES.	-	-	-	920
ELECTRICAL UTILITIES	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(650)
SUBTOTAL	-	-	-	4,220
CONTINGENCY (5.0%)	-	-	-	210
TOTAL CONTRACT COST.	-	-	-	4,430
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	270
TOTAL REQUEST.	-	-	-	4,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two type F, earth-covered, reinforced concrete missile magazines; roads, tarmacs, loading docks, lightning protection system and utilities.				
11. REQUIREMENT: <u>38,200</u> SF ADEQUATE: <u>9,250</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Constructs two magazines for storing HARM missiles. (New mission.) <u>REQUIREMENT:</u> Adequate magazine space for the secure, safe and efficient storage of HARM missiles. Intermediate level maintenance performed on these air-launched missiles at the Annex requires storage of the missiles in the all-up-round (AUR) configuration in magazines. Missiles are received from the manufacturer or Fleet and placed into storage pending testing or repair. Upon completion of the testing or repair, the ready-for-issue missile is stored in AUR mode pending issue to the Fleet. There is a requirement for two magazines in this year's program to meet the projected HARM missile storage requirements. <u>CURRENT SITUATION:</u> Most magazines at the Annex are for conventional ordnance which makes them functionally inadequate for the storage of assembled missiles because of their size, small loading docks, door openings and interior columns. Of the remaining magazines which are capable of accommodating missiles only six were specifically designed for missile storage. These magazines are utilized to 95 percent capacity. One of these magazines was provided for HARM missiles in the Fiscal Year 1989 Military Construction program. There is no additional missile magazine space at Fallbrook to satisfy upcoming storage requirements for the HARM air-launched missiles. <u>IMPACT IF NOT PROVIDED:</u> Adequate storage of HARM missiles in projected quantities will not be possible. Missiles may be jam stowed in magazine aisles, resulting in the inability to timely retrieve or store missiles and complete required maintenance. The safety of personnel working in the magazines will also				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO396 NAVAL WEAPONS STATION ANNEX, FALLBROOK, CALIFORNIA		
4. PROJECT TITLE HARM MISSILE MAGAZINES	5. PROJECT NUMBER P-143	
11. REQUIREMENT: (CONTINUED) <u>IMPACT IF NOT PROVIDED: (CONTINUED)</u> be compromised. Reduced availability of these missiles could have an adverse impact on operational readiness and capability vital to the Fleet. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Existing missile and conventional ammunition magazines at this site are fully utilized. If new magazines are not constructed, the Fallbrook site will not have the capability to accommodate planned HARM storage quantities. Inland storage of HARM missiles will be required, increasing cost, missile turn-around time, and affecting the performance of the Pacific Fleet combatants. b. Renovation/Modernization: Existing magazines are fully utilized for storing missiles and conventional ammunition. Explosive Safety standards prevent the utilization of other facilities for storing HARM missiles. c. Lease: Facilities able to adequately constrain the blast over-pressure and fragments produced from an accidental detonation are not available in the private sector. d. New Construction: This is the only alternative available for meeting HARM missile storage requirements. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. <u>07-92</u> (B) PERCENT COMPLETE AS OF JANUARY 1993. <u>35</u> (C) DATE DESIGN 35% COMPLETE <u>11-92</u> (D) DATE DESIGN COMPLETE <u>08-93</u> (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. <u>20</u> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES <u>X</u> NO <u> </u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (<u>336</u>) (B) ALL OTHER DESIGN COSTS (<u>336</u>) (C) TOTAL <u>672</u> (D) CONTRACT (<u>560</u>) (E) IN-HOUSE (<u>112</u>) (4) CONSTRUCTION START. <u>10-93</u> (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1904 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO109 NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA			4. PROJECT TITLE HARPOON MISSILE MAGAZINES	
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 421.72	7. PROJECT NUMBER P-427	8. PROJECT COST (\$000) 1.080	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
HARPOON MISSILE MAGAZINES.	SF	46,500	122.00	5,670
SUPPORTING FACILITIES.	-	-	-	5,830
UTILITIES.	LS	-	-	(1,900)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(2,230)
RAILROAD.	LS	-	-	(1,700)
SUBTOTAL.	-	-	-	11,500
CONTINGENCY (5.0%).	-	-	-	580
TOTAL CONTRACT COST.	-	-	-	12,080
SUPERVISION, INSPECTION & OVERHEAD (6.0%).	-	-	-	720
SUBTOTAL.	-	-	-	12,800
LESS: NATO SHARE.	-	-	-	- 11,720
TOTAL REQUEST.	-	-	-	1,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Five earth-covered, single-story reinforced concrete type "F" standard magazines, concrete loading dock, access ramp, steel access doors, provisions for security system, fire protection system, railroad spur, flexible paving, storm drain, and utilities.				
11. REQUIREMENT: <u>46,500 SF</u> ADEQUATE: <u>0 SF</u> SUBSTANDARD: <u>0 SF</u> <u>PROJECT:</u> Provides five storage magazines for HARPOON missile system. (New mission.) <u>REQUIREMENT:</u> Adequate magazine space for the secure, safe and efficient storage of HARPOON missiles in an all-up-round configuration. Yorktown is designated as the East Coast depot maintenance and storage activity. Magazine requirement is based on established workload, increased production of HARPOON missiles, and related storage for service to the Fleet and NATO. <u>CURRENT SITUATION:</u> No magazine is available to satisfy this new requirement. This station is designated as the East Coast Intermediate Level Maintenance (ILM) and Storage Activity for the HARPOON missile. Existing missile magazine assets are inadequate to meet storage requirements and, therefore, new construction is necessary. This project satisfies only the increased storage requirement for the HARPOON system and will not reduce the existing overall magazine deficiency for the station. <u>IMPACT IF NOT PROVIDED:</u> Production schedule for HARPOON weapons will be delayed. Yorktown will not be able to maintain, store and issue full combatant loadouts to meet Fleet and NATO commitments. <u>ADDITIONAL:</u> This project will be conjunctively funded with NATO. NATO funding is included in SLICE 42 (CY 94) program. (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE										
3. INSTALLATION AND LOCATION/UIC: NO0109 NAVAL WEAPONS STATION, YORKTOWN, VIRGINIA												
4. PROJECT TITLE HARPOON MISSILE MAGAZINES	5. PROJECT NUMBER P-427											
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")												
(1) STATUS: <table style="width: 100%; margin-left: 40px;"> <tr> <td>(A) DATE DESIGN STARTED</td> <td style="text-align: right;">02-90</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">06-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">07-92</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992</td> <td style="text-align: right;">100</td> </tr> </table>			(A) DATE DESIGN STARTED	02-90	(B) PERCENT COMPLETE AS OF JANUARY 1993	100	(C) DATE DESIGN 35% COMPLETE	06-92	(D) DATE DESIGN COMPLETE	07-92	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992	100
(A) DATE DESIGN STARTED	02-90											
(B) PERCENT COMPLETE AS OF JANUARY 1993	100											
(C) DATE DESIGN 35% COMPLETE	06-92											
(D) DATE DESIGN COMPLETE	07-92											
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992	100											
(2) BASIS: <table style="width: 100%; margin-left: 40px;"> <tr> <td>(A) STANDARD OR DEFINITIVE DESIGN:</td> <td style="text-align: right;">YES ☒ NO ☐</td> </tr> <tr> <td>(B) WHERE DESIGN WAS MOST RECENTLY USED:</td> <td style="text-align: right;"><u>STANDARD TYPE F</u></td> </tr> </table>			(A) STANDARD OR DEFINITIVE DESIGN:	YES ☒ NO ☐	(B) WHERE DESIGN WAS MOST RECENTLY USED:	<u>STANDARD TYPE F</u>						
(A) STANDARD OR DEFINITIVE DESIGN:	YES ☒ NO ☐											
(B) WHERE DESIGN WAS MOST RECENTLY USED:	<u>STANDARD TYPE F</u>											
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%; margin-left: 40px;"> <tr> <td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right;">(6)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(1)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right;">7</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(6)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(1)</td> </tr> </table>			(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(6)	(B) ALL OTHER DESIGN COSTS	(1)	(C) TOTAL	7	(D) CONTRACT	(6)	(E) IN-HOUSE	(1)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(6)											
(B) ALL OTHER DESIGN COSTS	(1)											
(C) TOTAL	7											
(D) CONTRACT	(6)											
(E) IN-HOUSE	(1)											
(4) CONSTRUCTION START 11-93 (MONTH AND YEAR)												
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE												

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NC1002 VARIOUS LOCATIONS			4. PROJECT TITLE EQUIPMENT STORAGE AND MAINTENANCE BUILDING	
5. PROGRAM ELEMENT 0204996N	6. CATEGORY CODE 441.10	7. PROJECT NUMBER P-601	8. PROJECT COST (\$000) 1,350	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
EQUIPMENT STORAGE AND MAINTENANCE BUILDING . .	SF	6,000	54.00	320
SUPPORTING FACILITIES.	-	-	-	890
UTILITIES.	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(370)
DEMOLITION AND ASBESTOS REMOVAL.	LS	-	-	(170)
SUBTOTAL	-	-	-	1,210
CONTINGENCY (5.0%).	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,270
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story building with concrete foundation walls, load bearing masonry walls, and concrete floors; roof with wood truss framing, plywood sheathing, shingles; masonry exterior walls; administrative areas, environmentally controlled storage, air conditioning, sprinkler and fire protection systems, utilities, parking areas, rock excavation, environmentally controlled site, demolition of three buildings and asbestos removal.				
11. REQUIREMENT: <u>6,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Constructs an equipment storage and maintenance facility. (Current mission.) <u>REQUIREMENT:</u> Adequate storage and maintenance capabilities for multi-faceted requirements, including grounds maintenance and snow removal equipment, facilities maintenance stocks, and general supplies. <u>CURRENT SITUATION:</u> Adequate facilities do not exist in which grounds support equipment and facility maintenance material can be properly stored. Existing deteriorated facilities are on leased property which has a 60-day termination clause. Because these facilities meet only about one-third of the storage requirement, much of the existing material is stored outside, exposed to the weather, which causes damage and questionable mission response condition. <u>IMPACT IF NOT PROVIDED:</u> Continued inhibited mission response, waste of resources and inefficient operation which detract significantly from the primary function of this activity.				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																										
3. INSTALLATION AND LOCATION/UIC: NC1002 VARIOUS LOCATIONS																												
4. PROJECT TITLE EQUIPMENT STORAGE AND MAINTENANCE BUILDING	5. PROJECT NUMBER P-601																											
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="margin-left: 20px; border: none;"> <tr><td>(A) DATE DESIGN STARTED.</td><td style="text-align: right;">06-92</td></tr> <tr><td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td><td style="text-align: right;">60</td></tr> <tr><td>(C) DATE DESIGN 35% COMPLETE</td><td style="text-align: right;">11-92</td></tr> <tr><td>(D) DATE DESIGN COMPLETE</td><td style="text-align: right;">05-93</td></tr> <tr><td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td><td style="text-align: right;">20</td></tr> </table> (2) BASIS: <table style="margin-left: 20px; border: none;"> <tr><td>(A) STANDARD OR DEFINITIVE DESIGN:</td><td style="text-align: right;">YES NO <u>X</u></td></tr> <tr><td>(B) WHERE DESIGN WAS MOST RECENTLY USED:</td><td style="text-align: right;">_____</td></tr> </table> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="margin-left: 20px; border: none;"> <tr><td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td><td style="text-align: right;">(100)</td></tr> <tr><td>(B) ALL OTHER DESIGN COSTS</td><td style="text-align: right;">(0)</td></tr> <tr><td>(C) TOTAL</td><td style="text-align: right;">100</td></tr> <tr><td>(D) CONTRACT</td><td style="text-align: right;">(100)</td></tr> <tr><td>(E) IN-HOUSE</td><td style="text-align: right;">(0)</td></tr> </table> (4) CONSTRUCTION START. <table style="margin-left: 20px; border: none;"> <tr><td style="text-align: right;">11-93</td></tr> <tr><td style="text-align: right;">(MONTH AND YEAR)</td></tr> </table>			(A) DATE DESIGN STARTED.	06-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	60	(C) DATE DESIGN 35% COMPLETE	11-92	(D) DATE DESIGN COMPLETE	05-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	20	(A) STANDARD OR DEFINITIVE DESIGN:	YES NO <u>X</u>	(B) WHERE DESIGN WAS MOST RECENTLY USED:	_____	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(100)	(B) ALL OTHER DESIGN COSTS	(0)	(C) TOTAL	100	(D) CONTRACT	(100)	(E) IN-HOUSE	(0)	11-93	(MONTH AND YEAR)
(A) DATE DESIGN STARTED.	06-92																											
(B) PERCENT COMPLETE AS OF JANUARY 1993.	60																											
(C) DATE DESIGN 35% COMPLETE	11-92																											
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(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	20																											
(A) STANDARD OR DEFINITIVE DESIGN:	YES NO <u>X</u>																											
(B) WHERE DESIGN WAS MOST RECENTLY USED:	_____																											
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(100)																											
(B) ALL OTHER DESIGN COSTS	(0)																											
(C) TOTAL	100																											
(D) CONTRACT	(100)																											
(E) IN-HOUSE	(0)																											
11-93																												
(MONTH AND YEAR)																												
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE																												

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N61119 NAVAL SUPPLY DEPOT, GUAM			4. PROJECT TITLE INTEGRATED STORAGE AND HANDLING FACILITY	
5. PROGRAM ELEMENT O2O4996N	6. CATEGORY CODE 441.10	7. PROJECT NUMBER P-152P	8. PROJECT COST (\$000) 22,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
INTEGRATED STORAGE AND HANDLING FACILITY . . .	SF	120,000	-	16,470
GENERAL WAREHOUSE	SF	70,000	134.00	(9,380)
DEHUMIDIFIED STORAGE	SF	9,000	195.00	(1,760)
MATERIAL HANDLING FACILITY	SF	41,000	130.00	(5,330)
SUPPORTING FACILITIES	-	-	-	3,560
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(3,010)
UTILITIES	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT	LS	-	-	(340)
SUBTOTAL	-	-	-	20,030
CONTINGENCY (5.0%)	-	-	-	1,000
TOTAL CONTRACT COST	-	-	-	21,030
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	1,370
TOTAL REQUEST	-	-	-	22,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
One-story concrete building, pile foundation, concrete floor and roof slabs, wall frames and footings; administrative office, breakroom, lockers, shower and toilet, and battery charging services; loading docks, central air conditioning, humidity control system, material storage and retrieval system, fire protection and alarm system, and utilities.				
11. REQUIREMENT: <u>120,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Constructs a general warehouse and material handling facility. <u>REQUIREMENT:</u> Essential facilities required to support the relocation of Navy operational and support functions from the Philippines to Naval Complex, Guam and Andersen AFB. There is a requirement to withdraw all remaining Navy assets from the Subic Bay/Cubic Point Naval Complex by December 1992. Two events have prevented extending the Base Rights Agreements: (1) the eruption of Mt. Pinatubo rendering Clark Air Force Base and the Crow Valley Training Range unusable; and (2) the inability to square Philippine political needs with U. S. operational requirements for Subic Bay and Cubi Point. U. S. national interests still require a credible forward presence in the region. However, there is no plan to replicate Philippine facilities at any single location, allowing a significant reduction of the U. S. presence in the western Pacific while retaining influence in the region. Less than one-quarter (1,232) of the more than 6,000 military and civilian billets will be relocated to Guam. Most of the remaining billets will be eliminated (over 4,000), with the remainder (less than 500) going to other locations. Military construction support in Guam is essential to the relocation plan. Facility requirements in Guam are especially acute, since operational and quality of life facilities there are already stretched to capacity, even before the arrival of more than 2,000 new military personnel and family members. The Commander-in-Chief, Pacific endorses the relocation of units to Guam and has advocated, before Congress, the need for investing in military				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N61119 NAVAL SUPPLY DEPOT, GUAM		
4. PROJECT TITLE INTEGRATED STORAGE AND HANDLING FACILITY		5. PROJECT NUMBER P-152P
11. REQUIREMENT: (CONTINUED) <u>REQUIREMENT: (CONTINUED)</u> construction to provide essential facilities for the welfare of U. S. military personnel assigned to Guam and for the advancement of U. S. national interests in the region. <u>CURRENT SITUATION:</u> Existing facilities at this activity are barely adequate to support the current requirement. There are no facilities that can be made available to support the relocation from the Philippines. <u>IMPACT IF NOT PROVIDED:</u> Without this project, relocated supplies and materials will be stored in the open, unprotected and exposed to the environment and vandalism. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Existing NSD Guam storage/handling facilities are fully utilized and cannot accommodate present taskings. The relocation of logistics support from Subic Bay to Guam will create additional storage requirements that cannot be met with existing facilities. There will be no place to store and protect critical military supplies and equipment. b. Renovation/Modernization: With current utilization at a maximum, there are no facilities available that could be modified or converted to satisfy the need for this project. c. Lease: There are no available commercial storage operations or facilities in existence on the Island of Guam. d. New Construction: This is the only alternative that can satisfy the requirement. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 05-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 0 (C) DATE DESIGN 35% COMPLETE 07-93 (D) DATE DESIGN COMPLETE 10-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 0 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (1,080) (B) ALL OTHER DESIGN COSTS (864) (C) TOTAL. 1,944 (D) CONTRACT (1,296) (E) IN-HOUSE (648) (4) CONSTRUCTION START. 06-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO244CA NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA			4. PROJECT TITLE FIRE PROTECTION SYSTEM	
5. PROGRAM ELEMENT 0702896N	6. CATEGORY CODE 441.10	7. PROJECT NUMBER P-003	8. PROJECT COST (\$000) 2,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE PROTECTION SYSTEM	LS	-	-	1,660
SUPPORTING FACILITIES	-	-	-	400
UTILITIES	LS	-	-	(400)
SUBTOTAL	-	-	-	2,060
CONTINGENCY (5.0%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,160
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	140
TOTAL REQUEST	-	-	-	2,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Automatic fire protection sprinkler system and alarm systems.				
11. REQUIREMENT: AS REQUIRED <u>PROJECT:</u> Provides fire protection systems in six warehouses to meet National Fire Protection Association (NFPA) standards. (Current mission.) <u>REQUIREMENT:</u> Modern, efficient fire protection systems for warehouses located at the National City Annex to conform with NFPA standards for indoor storage of general and combustible materials. These systems are required to protect the health and safety of military and civilian personnel, the buildings, as well as essential supplies and equipment for afloat and ashore units. <u>CURRENT SITUATION:</u> A fire protection engineering survey verified these warehouses have deficient fire protection systems that are not in compliance with current NFPA standards. An automatic fire sprinkler system does not exist, and the fire alarm system is deteriorated, unreliable, and inadequate. <u>IMPACT IF NOT PROVIDED:</u> Failure to provide the necessary fire protection systems will risk loss of worker's lives, the buildings, and commodities stored therein. In the event of a fire, the destruction of buildings and stored commodities would seriously hamper operations of the Fleet, shore activities, and the Center. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Since this project corrects fire and safety deficiencies, this alternative is not an option. b. Renovation/Modernization: This project corrects NFPA code violations and is in effect a facility modernization. The only alternative to the proposed type of work is to continue to violate code which is unacceptable. c. Lease: Leasing of commercial warehouse space does not correct the				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO244CA NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE FIRE PROTECTION SYSTEM	5. PROJECT NUMBER P-003	
11. REQUIREMENT: (CONTINUED) ADDITIONAL: (CONTINUED) fire protection deficiency and is therefore not a viable solution. d. New Construction: Estimated new construction costs for these six warehouses exceeds \$36.25M; therefore, new construction is not a viable alternative. e. Analysis Results: Net present value calculations were not performed, since modernization is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 07-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 50 (C) DATE DESIGN 35% COMPLETE 09-92 (D) DATE DESIGN COMPLETE 03-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (50) (B) ALL OTHER DESIGN COSTS (150) (C) TOTAL 200 (D) CONTRACT (150) (E) IN-HOUSE (50) (4) CONSTRUCTION START. 12-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M00243 MARINE CORPS RECRUIT DEPOT, SAN DIEGO, CALIFORNIA			4. PROJECT TITLE WAREHOUSE	
5. PROGRAM ELEMENT O805796M	6. CATEGORY CODE 441.11	7. PROJECT NUMBER P-276	8. PROJECT COST (\$000) 1,230	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
WAREHOUSE	SF	14,000	-	880
BUILDING	SF	11,250	60.00	(680)
ADMINISTRATIVE SPACE	SF	1,250	128.00	(160)
ATTACHED CANOPY	SF	1,500	26.00	(40)
SUPPORTING FACILITIES	-	-	-	220
UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT	LS	-	-	(150)
SUBTOTAL	-	-	-	1,100
CONTINGENCY (5.0%)	-	-	-	60
TOTAL CONTRACT COST	-	-	-	1,160
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	70
TOTAL REQUEST	-	-	-	1,230
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story reinforced concrete and masonry building with concrete spread footings, concrete block walls, built-up roof, utilities, security fencing and lighting, access roadway, paving, site improvements, attached canopy.				
11. REQUIREMENT: 14,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF				
PROJECT: Provide adequate warehouse facilities to support the Weapon and Field Training Battalion (WFTB) at the Edson Range Area of Camp Pendleton. (Current mission.) REQUIREMENT: As a part of the recruit training program, all recruits must complete ten days of field training exercises conducted by the WFTB. Because of the cyclical nature of the training, the facility will be used 49 weeks a year. Each recruit is issued individual field equipment (782 gear). Adequate warehouse facilities are required for storage, issuance, receipt, inspection, repair, accounting, and safeguarding of these items. CURRENT SITUATION: Three semipermanent Marine Corps Equipment Storage Shelters (MCESS) have functioned as warehouses since the WFTB relocated in May 1989. The asphalt paving that serves as the building floor surface for the MCESS does not provide adequate structural support, which results in shelving and other heavy equipment settling into the paving. The long, narrow floor plan of the buildings create problems with storage in relation to the maneuvering requirements of the material handling equipment. As the MCESS are not water-tight and lack proper ventilation, \$80,000 is spent annually replacing water-damaged equipment. The buildings do not meet electrical codes, and electrical fires have occurred in the buildings. The buildings show signs of stress during wind storms. The MCESS are attached to the ground with spikes, and the total weight of the building may not be enough to counteract a strong wind load.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																										
3. INSTALLATION AND LOCATION/UIC: MOO243 MARINE CORPS RECRUIT DEPOT, SAN DIEGO, CALIFORNIA																												
4. PROJECT TITLE WAREHOUSE	5. PROJECT NUMBER P-276																											
11. REQUIREMENT: (CONTINUED) <u>IMPACT IF NOT PROVIDED:</u> The existing facilities will remain in use, resulting in continued \$80,000 annual equipment losses due to inadequate storage conditions. Maintenance and repair costs will increase in order to keep the facilities in operation.																												
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="margin-left: 20px; border: none;"> <tr><td>(A) DATE DESIGN STARTED</td><td style="text-align: right;">05-92</td></tr> <tr><td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td><td style="text-align: right;">40</td></tr> <tr><td>(C) DATE DESIGN 35% COMPLETE</td><td style="text-align: right;">07-92</td></tr> <tr><td>(D) DATE DESIGN COMPLETE</td><td style="text-align: right;">06-93</td></tr> <tr><td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td><td style="text-align: right;">35</td></tr> </table> (2) BASIS: <table style="margin-left: 20px; border: none;"> <tr><td>(A) STANDARD OR DEFINITIVE DESIGN:</td><td style="text-align: right;">YES ___ NO <u>X</u></td></tr> <tr><td>(B) WHERE DESIGN WAS MOST RECENTLY USED:</td><td style="text-align: right;">_____</td></tr> </table> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="margin-left: 20px; border: none;"> <tr><td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td><td style="text-align: right;">(60)</td></tr> <tr><td>(B) ALL OTHER DESIGN COSTS</td><td style="text-align: right;">(135)</td></tr> <tr><td>(C) TOTAL</td><td style="text-align: right;">195</td></tr> <tr><td>(D) CONTRACT</td><td style="text-align: right;">(175)</td></tr> <tr><td>(E) IN-HOUSE</td><td style="text-align: right;">(20)</td></tr> </table> (4) CONSTRUCTION START. <table style="margin-left: 20px; border: none;"> <tr><td style="text-align: right;">10-93</td></tr> <tr><td style="text-align: right;">(MONTH AND YEAR)</td></tr> </table>			(A) DATE DESIGN STARTED	05-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	40	(C) DATE DESIGN 35% COMPLETE	07-92	(D) DATE DESIGN COMPLETE	06-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	35	(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO <u>X</u>	(B) WHERE DESIGN WAS MOST RECENTLY USED:	_____	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(60)	(B) ALL OTHER DESIGN COSTS	(135)	(C) TOTAL	195	(D) CONTRACT	(175)	(E) IN-HOUSE	(20)	10-93	(MONTH AND YEAR)
(A) DATE DESIGN STARTED	05-92																											
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10-93																												
(MONTH AND YEAR)																												
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE																												

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N61119 NAVAL SUPPLY DEPOT, GUAM			4. PROJECT TITLE GAS BOTTLE STORAGE FACILITY	
5. PROGRAM ELEMENT 0204996N	6. CATEGORY CODE 441.35	7. PROJECT NUMBER P-151P	8. PROJECT COST (\$000) 1,250	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
GAS BOTTLE STORAGE FACILITY.	SF	10,000	75.00	750
SUPPORTING FACILITIES.	-	-	-	360
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(280)
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(80)
SUBTOTAL	-	-	-	1,110
CONTINGENCY (5.0%).	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,170
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	80
TOTAL REQUEST.	-	-	-	1,250
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story concrete-roof structure, floor slab and chain link walls and partitions; pile foundation; relocation of existing water and underground primary telephone lines; and utilities.				
11. REQUIREMENT: <u>10,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Provides a facility for gas bottle storage. (New mission.) <u>REQUIREMENT:</u> Adequate storage facilities to support the relocation of units, functions, and personnel from the Philippines to Guam. <u>CURRENT SITUATION:</u> There are no facilities from any other Naval activities or military service that can be made available for the relocated materials and supplies through host-tenant agreement, inter-service agreement, or by mutual agreement to share common use. Existing facilities are barely enough to support the stated local requirements and cannot accommodate the additional load. <u>IMPACT IF NOT PROVIDED:</u> Materials and supplies being relocated to Guam from the Philippines will be delayed or relocated to other places, with resulting economic and political implications.				
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. <u>08-92</u> (B) PERCENT COMPLETE AS OF JANUARY 1993. <u>35</u> (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS			4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 304		
5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE 400.00	7. PROJECT NUMBER VARIOUS	8. PROJECT COST (\$000) 700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PROJECTS \$1 MILLION AND UNDER - PBD 304		LS	-	-	700
TOTAL REQUEST.		-	-	-	700
10. DESCRIPTION OF PROPOSED CONSTRUCTION Specified construction projects (except family housing) having a funded cost of \$1,000,000 or less (see individual project descriptions.)					
11. REQUIREMENT: <u>VARIES.</u> Projects are specifically identified on subsequent sheets.					
12. SUPPLEMENTAL DATA: PROJECT DESIGNS CONFORM TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE". THE ESTIMATED DESIGN STATUS FOR EACH PROJECT IS SHOWN DIRECTLY BELOW THE PROJECT'S DESCRIPTION AND PROVIDES THE FOLLOWING INFORMATION: A. IS THE DATE DESIGN STARTED. B. IS THE DATE DESIGN WILL BE 35% COMPLETE. C. IS THE ESTIMATED DATE DESIGN WILL BE COMPLETE. D. IS THE PERCENTAGE OF DESIGN COMPLETE AS OF SEPTEMBER 1992. E. IS THE PERCENTAGE OF DESIGN COMPLETE AS OF JANUARY 1993.					
(CONTINUED ON DD 1391C)					

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 304		5. PROJECT NUMBER VARIOUS
<u>CATEGORY CODE</u>	<u>PROJECT NUMBER</u>	<u>PROJECT TITLE/INSTALLATION/LOCATION</u>
<u>SUPPLY FACILITIES</u>		
441.10	P-067	FIRE PROTECTION SYSTEM SAN DIEGO CA NTC
		COST (\$000) 700
Project provides an adequate and properly configured fire protection system and safety features required to protect the personnel, equipment, contents and structures for five single-story clothing warehouses and bring the buildings into compliance with the special occupancy requirements of the current National Fire Protection Association (NFPA) Life Safety Code. Provides buildings with automatic wet sprinkler fire protection system with connection to the base fire alarm system in accordance with NFPA code standards and installs upgraded fire walls to prevent fire spread between areas. The warehouses currently only have wall attached fire extinguishers and a hand operated fire alarm pull box at the corner of one building. If this project is not provided, the warehouse structures, contents, personnel, and equipment will continue to be at a high risk of fire hazard. Loss of these warehouse facilities and stored supplies would impair the activity's ability to support the training mission. (Current mission.) <u>DESIGN INFORMATION:</u> A. 05-92. B. 07-92. C. 06-93. D. 35. E. 45.		
TOTAL - SUPPLY FACILITIES PROJECTS \$1 MILLION AND UNDER - PBD 304		700

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 306

ADMINISTRATIVE FACILITIES

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
610.10	160P	MILITARY SEALIFT COMMAND, GUAM	MILITARY SEALIFT COMMAND OPERATIONS BUILDING	2,200	119
610.10	094	VARIOUS LOCATIONS	HOST NATION INFRASTRUCTURE SUPPORT	3,000	121
610.10	312	COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA	FIRE PROTECTION SYSTEM	1,500	123
TOTAL	-	ADMINISTRATIVE FACILITIES		6,700	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62524 MILITARY SEALIFT COMMAND, GUAM			4. PROJECT TITLE MILITARY SEALIFT COMMAND OPERATIONS BUILDING	
5. PROGRAM ELEMENT 0204311N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-160P	8. PROJECT COST (\$000) 2.200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MILITARY SEALIFT COMMAND OPERATIONS BUILDING .	SF	6,300	238.00	1,500
SUPPORTING FACILITIES.	-	-	-	470
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(210)
UTILITIES.	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(120)
SUBTOTAL	-	-	-	1,970
CONTINGENCY (5.0%).	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,070
SUPERVISION, INSPECTION & OVERHEAD (6.5%).	-	-	-	130
TOTAL REQUEST.	-	-	-	2,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)(	0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Single-story concrete frame building, pile foundation, concrete floor and roof slabs, air conditioning, fire alarm and protection systems, utilities, and parking.				
11. REQUIREMENT: <u>6,300</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
PROJECT: Provides a Fleet Logistic Support Office building. REQUIREMENT: Essential facilities required to support the relocation of Navy operational and support functions from the Philippines to the Naval Complex, Guam and Andersen AFB. There is a requirement to withdraw all remaining Navy assets from the Subic Bay/Cubi Point Naval Complex by December 1992. Two events have prevented extending the Base Rights Agreements: (1) the eruption of Mt. Pinatubo rendering Clark Air Force Base and the Crow Valley Training Range unusable; and (2) the inability to square Philippine political needs with U. S. operational requirements for Subic Bay and Cubi Point. U. S. national interests still require a credible forward presence in the region. However, there is no plan to replicate Philippine facilities at any single location, allowing a significant reduction of the U. S. presence in the western Pacific while retaining influence in the region. Less than one-quarter (1,232) of the more than 6,000 military and civilian billets will be relocated to Guam. Most of the remaining billets will be eliminated (over 4,000), with the remainder (less than 500) going to other locations. Military construction support in Guam is essential to the relocation plan. Facility requirements in Guam are especially acute, since operational and quality of life facilities there are already stretched to capacity, even before the arrival of more than 2,000 new military personnel and family members. The Commander-in-Chief, Pacific endorses the relocation of units to Guam and has advocated, before Congress, the need for investing in military construction to provide essential facilities for the welfare of U. S. military personnel assigned to Guam and for the advancement of				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																				
3. INSTALLATION AND LOCATION/UIC: N62524 MILITARY SEALIFT COMMAND, GUAM																						
4. PROJECT TITLE MILITARY SEALIFT COMMAND OPERATIONS BUILDING		5. PROJECT NUMBER P-160P																				
11. REQUIREMENT: (CONTINUED) <u>REQUIREMENT: (CONTINUED)</u> U. S. national interests in the region. <u>CURRENT SITUATION:</u> Existing administrative facilities at Guam are insufficient to accommodate current stated space requirements. This space deficiency is heightened by the need to support the personnel being relocated from Subic Bay. <u>IMPACT IF NOT PROVIDED:</u> Relocated personnel will continue to be housed in an inadequate, temporary structure which is vulnerable to typhoon destruction, impacting the life safety of the personnel. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not a viable alternative since this project is a result of a forced relocation, and existing living conditions in temporary leased trailers is unacceptable. b. Renovation/Modernization: There are no available facilities that can be modified to support MSC operations. c. Lease: Trailers currently being used are leased; however, this option is unacceptable and expensive. There are no permanent facilities in the private sector that meet MSC operational and functional requirements. d. New Construction: Construction of a new permanent facility is the only viable alternative to provide adequate facilities for the relocated personnel. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.																						
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%;"> <tr> <td>(A) DATE DESIGN STARTED</td> <td style="text-align: right;">05-92</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993</td> <td style="text-align: right;">0</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">05-93</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">08-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992</td> <td style="text-align: right;">0</td> </tr> </table> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ☐ NO ☒ X (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%;"> <tr> <td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right;">(110)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(110)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right;">220</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(198)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(22)</td> </tr> </table> (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE			(A) DATE DESIGN STARTED	05-92	(B) PERCENT COMPLETE AS OF JANUARY 1993	0	(C) DATE DESIGN 35% COMPLETE	05-93	(D) DATE DESIGN COMPLETE	08-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992	0	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(110)	(B) ALL OTHER DESIGN COSTS	(110)	(C) TOTAL	220	(D) CONTRACT	(198)	(E) IN-HOUSE	(22)
(A) DATE DESIGN STARTED	05-92																					
(B) PERCENT COMPLETE AS OF JANUARY 1993	0																					
(C) DATE DESIGN 35% COMPLETE	05-93																					
(D) DATE DESIGN COMPLETE	08-93																					
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992	0																					
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(110)																					
(B) ALL OTHER DESIGN COSTS	(110)																					
(C) TOTAL	220																					
(D) CONTRACT	(198)																					
(E) IN-HOUSE	(22)																					

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: N65160 VARIOUS LOCATIONS			4. PROJECT TITLE HOST NATION INFRASTRUCTURE SUPPORT		
5. PROGRAM ELEMENT 0901212N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-094	8. PROJECT COST (\$000) 3,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
HOST NATION INFRASTRUCTURE SUPPORT		LS	-	-	2,690
SUBTOTAL		-	-	-	2,690
CONTINGENCY (5.0%)		-	-	-	140
TOTAL CONTRACT COST		-	-	-	2,830
SUPERVISION, INSPECTION & OVERHEAD (6.0%)		-	-	-	170
TOTAL REQUEST		-	-	-	3,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	0
10. DESCRIPTION OF PROPOSED CONSTRUCTION The host nation support required varies for each individual NATO project. These funds will be used to cover non-NATO eligible expenses such as host nation costs, life safety, functional utility/livability, energy, administrative expenses, design support, joint formal acceptance inspection and audit, currency fluctuation losses, and restoration floor.					
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Execute role as host nation and construction agent for NATO Infrastructure projects in CONUS, Iceland and Bermuda, in accordance with DOD Directive. <u>REQUIREMENT:</u> The Host Nation Infrastructure Support (HNIS) program provides a source of U. S. funds for each NATO-funded project to pay host nation costs. This authority is not used to increase the scope of a facility for U. S. functions, such work is included through conjunctive funding in separate MILCON projects. <u>CURRENT SITUATION:</u> Navy is construction agent for NATO Infrastructure projects at locations where the United States is host nation. HNIS responsibilities involve funding certain program costs, such as, land acquisition, source utilities, roads and parking, administrative expenses, design support, joint formal acceptance inspections (JFAI) and audits, currency fluctuation losses, and restoration floor. NATO eligibility criteria stipulates only Minimum Military Requirement (MMR) for wartime occupancy and does not include peacetime related features such as fire protection or energy conservation. The average annual HNIS program requirement (FY 1983 through 1990, inclusive) has been \$2,340,000. This request is based on approved NATO Infrastructure projects. <u>IMPACT IF NOT PROVIDED:</u> Timely U. S. funding for the work will not be possible. Delays in executing these projects for lack of HNIS funding will deprive operating					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO171 COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA			4. PROJECT TITLE FIRE PROTECTION SYSTEM	
5. PROGRAM ELEMENT 0901296N	6. CATEGORY CODE 610.10	7. PROJECT NUMBER P-312	8. PROJECT COST (\$000) 1,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE PROTECTION SYSTEM	LS	-	-	1,340
SUBTOTAL	-	-	-	1,340
CONTINGENCY (5.0%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,410
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Automatic fire sprinkler system, water booster pump, new fire alarm system, upgrade underground water distribution piping system; and replace open exterior stairs.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Upgrades the fire protection system in an administrative office building. (Current mission.) <u>REQUIREMENT:</u> A modern and efficient fire protection system conforming to National Fire Protection Association (NFPA) standards to protect the health and safety of personnel as well as avoid the destruction of critical defense communications equipment. <u>CURRENT SITUATION:</u> Originally designed as a warehouse, this 45-year old building has been converted to administrative office space and is being used by the Defense Communication Agency. Because it is on the Navy's plant account, the Navy is responsible for improvements and maintenance. Since the building is now being used for office space, the safety standards are much stricter than when the building was used for warehouse functions. The building does not meet NFPA life safety code standards as there is no automatic fire sprinkler system, and the fire alarms must be consolidated so that the entire building is alerted to fire. The exterior egress stairs are structurally unsafe and do not meet the NFPA life safety codes. <u>IMPACT IF NOT PROVIDED:</u> A continued risk of loss of lives, loss of the building, and the destruction of vital defense communications equipment, which would seriously impede this activity's mission. (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO171 COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE FIRE PROTECTION SYSTEM	5. PROJECT NUMBER P-312	
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. <u>06-92</u> (B) PERCENT COMPLETE AS OF JANUARY 1993. <u>35</u> (C) DATE DESIGN 35% COMPLETE <u>01-93</u> (D) DATE DESIGN COMPLETE <u>08-93</u> (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. <u>5</u> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (<u>70</u>) (B) ALL OTHER DESIGN COSTS (<u>20</u>) (C) TOTAL <u>90</u> (D) CONTRACT (<u>70</u>) (E) IN-HOUSE (<u>20</u>) (4) CONSTRUCTION START. <u>12-93</u> (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 307

BACHELOR HOUSING FACILITIES

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
721.11	207P	NAVAL AIR STATION, AGANA, GUAM	BACHELOR ENLISTED QUARTERS RENOVATION	3,600	127
721.11	704	NAVAL HOSPITAL, CAMP LEJEUNE, NORTH CAROLINA	BACHELOR ENLISTED QUARTERS	2,350	129
721.11	250	NAVAL AIR STATION, CORPUS CHRISTI, TEXAS	BACHELOR ENLISTED QUARTERS IMPROVEMENTS	1,700	131
721.11	070	NAVAL COM & TELECOMS AREA MASTSTA EASTPAC, HONOLULU, HAWAII	BACHELOR ENLISTED QUARTERS MODERNIZATION	4,800	133
721.11	160	NAVAL COM & TELECOMS AREA MASTSTA EASTPAC, HONOLULU, HAWAII	BACHELOR ENLISTED QUARTERS MODERNIZATION	4,450	135
721.11	467	NAVAL AIR STATION, JACKSONVILLE, FLORIDA	BACHELOR ENLISTED QUARTERS	14,000	137
721.11	185	NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	BACHELOR ENLISTED QUARTERS MODERNIZATION	14,330	139
721.11	352	NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND	BACHELOR ENLISTED QUARTERS	7,600	141
721.11	721	NAVAL AIR STATION, NORFOLK, VIRGINIA	BACHELOR ENLISTED QUARTERS	12,440	143
721.11	141	NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII	BACHELOR ENLISTED QUARTERS COMPLEX	29,900	145
721.11	354	NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VIRGINIA	BACHELOR ENLISTED QUARTERS	15,350	147
721.12	368	MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	BACHELOR ENLISTED QUARTERS	8,500	149
722.10	062	NAVAL SUBMARINE BASE, BANGOR, WASHINGTON	MESS HALL ADDITION	1,950	151
722.10	136	NAVAL SUPPORT ACTIVITY, NAPLES, ITALY	QUALITY OF LIFE FACILITIES (INCREMENT 1)	11,900	153
722.10	126	NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII	ENLISTED MESS HALL MODERNIZATION	2,670	155
724.11	209P	NAVAL AIR STATION, AGANA, GUAM	BACHELOR OFFICER QUARTERS MODERNIZATION	3,800	157
TOTAL - BACHELOR HOUSING FACILITIES				139,340	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N61577 NAVAL AIR STATION, AGANA, GUAM			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS RENOVATION	
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-207P	8. PROJECT COST (\$000) 3,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS RENOVATION.	LS	-	-	1,900
SUPPORTING FACILITIES.	-	-	-	1,320
UTILITIES.	LS	-	-	(100)
STRUCTURAL WINDBREAK.	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(110)
REMOVAL.	LS	-	-	(710)
SUBTOTAL.	-	-	-	3,220
CONTINGENCY (5.0%).	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,380
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	220
TOTAL REQUEST.	-	-	-	3,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Modernize an existing bachelor enlisted quarters, including alteration of bathrooms, living areas, common areas, centralized storage, and mechanical rooms; replace cooling system; provide kitchens; asbestos removal.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Alter and upgrade dormitory. (New mission.) <u>REQUIREMENT:</u> Adequate housing for senior enlisted VRC-50 squadron personnel relocating from the Philippines. <u>CURRENT SITUATION:</u> The existing facility was built in 1948, it completely lacks privacy, has inadequate lighting, poor insulation and sound attenuation, obsolete mechanical and electrical systems and structural problems. Rain enters the rooms through the walls and doors, creating problems of mold and mildew. The divider partitions contain asbestos, making repairs of the problems associated with rain and termites extremely difficult. The facility is energy inefficient. There is no other Navy bachelor housing available, and off-base quarters are expensive, small, and in short supply. <u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity and retention. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: The status quo is not an option because of an expanded mission for which no existing facilities will satisfy the requirement. Fleet Logistics Support Squadron Five Zero (VRC-50) is relocating from Cubi Point, Philippines to Andersen Air Force Base, Guam, and there are no existing facilities which can satisfy the requirement.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N68093 NAVAL HOSPITAL, CAMP LEJEUNE, NORTH CAROLINA			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT 0807796N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-704	8. PROJECT COST (\$000) 2,350	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS	SF	19,680	78.00	1,540
SUPPORTING FACILITIES	-	-	-	570
ELECTRICAL UTILITIES	LS	-	-	(120)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT	LS	-	-	(310)
SUBTOTAL	-	-	-	2,110
CONTINGENCY (5.0%)	-	-	-	110
TOTAL CONTRACT COST	-	-	-	2,220
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	130
TOTAL REQUEST	-	-	-	2,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story, concrete and masonry building, concrete foundation and floors, built-up roof, heating, ventilation and air conditioning, fire protection system, utilities; 24 two-bedroom modules with private bathrooms, lounges, laundry, storage and vending equipment, balcony. Grade Mix: 92 E1-E4, 1 E7-E9. Total: 93.				
11. REQUIREMENT: <u>197</u> PN ADEQUATE: <u>104</u> PN SUBSTANDARD: <u>0</u> PN <u>PROJECT:</u> Provides adequate billeting for 93 enlisted personnel. (Current mission.) <u>REQUIREMENT:</u> Adequate housing for 197 bachelor enlisted staff personnel assigned to the hospital. <u>CURRENT SITUATION:</u> Existing berthing capacity of 197 spaces, includes 104 adequate spaces and 93 spaces in the local community. The total number of adequate spaces is insufficient, resulting in overcrowding. A new construction deficiency of 93 adequate billeting spaces exists. After construction of the spaces requested, the total deficiency will be satisfied. <u>IMPACT IF NOT PROVIDED:</u> Bachelor personnel will not be able to live on-base, resulting in delayed response to mass casualty situations, extra transportation hardships, and a loss of unit integrity and morale. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not a viable alternative. Unaccompanied personnel are being housed on the local economy. The existing BEQ does not provide enough space to billet all unaccompanied enlisted personnel. This is resulting in transportation hardship and loss of morale. b. Renovation/Modernization: There are no existing facilities which can be adopted to satisfy the requirement. This is not a viable alternative. (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0216 NAVAL AIR STATION, CORPUS CHRISTI, TEXAS			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS IMPROVEMENTS	
5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-250	8. PROJECT COST (\$000) 1,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS IMPROVEMENTS. . . .	LS	-	-	1,520
SUBTOTAL	-	-	-	1,520
CONTINGENCY (5.0%).	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,600
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)(	0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Renovation of mechanical room, mechanical system, and electrical system including insulation of mechanical room; new chiller, piping, ducts, light fixtures, electric wall heaters, door hardware, new flashing, gutters and downspouts; new interiors, ventilated locker areas, weatherproof exterior of buildings, asbestos removal, technical operating manuals.				
11. REQUIREMENT: AS REQUIRED <u>PROJECT:</u> Modernizes air conditioning system and living spaces in bachelor enlisted quarters. (Current mission.) <u>REQUIREMENT:</u> Adequate housing and comfortable living spaces with the proper humidity to prevent mildew growth. <u>CURRENT SITUATION:</u> There is extensive damage to room interiors including walls, ceilings and floors from condensation produced by room fan coil units. Damage includes condensate pooling on floors, mildew deterioration of plaster and sheetrock walls and acoustic panel and plaster ceilings, and rusting of bar joists, ceiling pipe hangers, and plaster lath in the space between floors. Floor tiles have lifted and carpeting has mildewed. <u>IMPACT IF NOT PROVIDED:</u> Damage to rooms will continue. Living conditions will continue to be unsatisfactory, adversely impacting morale and retention.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0950 NAVAL COM & TELECOMS AREA MASTSTA EASTPAC, HONOLULU, HAWAII			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION	
5. PROGRAM ELEMENT 0303113N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-070	8. PROJECT COST (\$000) 4,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS MODERNIZATION . . .	LS	-	-	3,660
SUPPORTING FACILITIES.	-	-	-	630
UTILITIES.	LS	-	-	(290)
REMOVAL.	LS	-	-	(340)
SUBTOTAL	-	-	-	4,290
CONTINGENCY (5.0%).	-	-	-	220
TOTAL CONTRACT COST.	-	-	-	4,510
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	290
TOTAL REQUEST.	-	-	-	4,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Modernize two two-story buildings into two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment, fire protection system, utilities, air conditioning, and asbestos/lead paint removal.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Provides adequate billeting for 110 enlisted personnel. (Current mission.) <u>REQUIREMENT:</u> Adequate housing for 388 bachelor enlisted personnel assigned to the station. <u>CURRENT SITUATION:</u> Existing berthing capacity consists of 16 adequate spaces on base. There are 369 substandard spaces that are eligible for modernization. This project will modernize 110 spaces. <u>IMPACT IF NOT PROVIDED:</u> Enlisted personnel will continue to be housed in substandard facilities to the detriment of morale and career retention efforts. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This alternative was not considered because the existing facility does not meet Navy standards. Status quo is not a viable alternative. b. Renovation/Modernization: An economic analysis indicates that modernization has the lowest life-cycle cost. c. Lease: Leasing hotel rooms to house the 110 personnel produced a total discounted project cost of \$16,992,000. An economic analysis indicates that this is not a cost effective alternative. d. New Construction: Due to the limited land area available,				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0950 NAVAL COM & TELECOMS AREA MASTSTA EASTPAC, HONOLULU, HAWAII		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION	5. PROJECT NUMBER P-070	
11. REQUIREMENT: (CONTINUED) ADDITIONAL: (CONTINUED) demolishing Buildings 2 and 229 to construct a new Bachelor Enlisted Quarters building on the same site was considered. Navy cost guidance lists BEQ's at \$78.00 per square foot. However, a detailed cost analysis to reflect Hawaii's higher cost climate calculated new construction at \$209.00 per square foot which produced a total discounted project cost of \$10,756,000. An economic analysis indicates that this is not a cost-effective alternative. e. Analysis Results: Net present value calculations indicate that modernization has the lowest life-cycle cost among the viable alternatives and is lower than 75% of the cost for new construction.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 01-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 100 (C) DATE DESIGN 35% COMPLETE 07-91 (D) DATE DESIGN COMPLETE 03-92 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 100 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (177) (B) ALL OTHER DESIGN COSTS (118) (C) TOTAL. 295 (D) CONTRACT (0) (E) IN-HOUSE (295) (4) CONSTRUCTION START. 12-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N00950 NAVAL COM & TELECOMS AREA MASTSTA EASTPAC, HONOLULU, HAWAII			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION	
5. PROGRAM ELEMENT 0303196N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-160	8. PROJECT COST (\$000) 4,450	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS MODERNIZATION . . .	LS	-	-	3,700
BUILDING MODERNIZATION	LS	-	-	(3,590)
BUILT-IN EQUIPMENT	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	280
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
ELECTRICAL UTILITIES	LS	-	-	(90)
MECHANICAL UTILITIES	LS	-	-	(50)
REMOVAL	LS	-	-	(90)
SUBTOTAL	-	-	-	3,980
CONTINGENCY (5.0%)	-	-	-	200
TOTAL CONTRACT COST	-	-	-	4,180
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	270
TOTAL REQUEST	-	-	-	4,450
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Modernize three-story concrete building to include removal and disposal of asbestos and lead paint; seismic condition modifications, upgraded plumbing, fire protection system, utilities, and air conditioning; provide storage.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Modernizes living spaces in one bachelor enlisted quarters. (Current mission.) <u>REQUIREMENT:</u> Adequate living spaces in compliance with current housing standards for enlisted personnel. <u>CURRENT SITUATION:</u> Existing rooms are deteriorated and undersized, with gang showers and open-bay living areas. There is insufficient lighting and outlets, no air conditioning and no fire protection systems. <u>IMPACT IF NOT PROVIDED:</u> Continued occupancy of quarters which fail to meet living conditions considered necessary to recruit and retain Navy personnel. Continuation of the substandard communal-type living conditions will have an adverse effect on morale and retention. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This alternative was not considered because the existing facility does not meet Navy standards. Status quo is not a viable alternative. b. Renovation/Modernization: An economic analysis indicates that modernization has the lowest life-cycle cost. The modernization of Building 321 at \$126.00 per square foot produced a total discounted project cost of \$7,137,000. c. Lease: Leasing hotel rooms to house the 94 personnel produced a total discounted project cost of \$14,800,000. An economic analysis				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																														
3. INSTALLATION AND LOCATION/UIC: NO0950 NAVAL COM & TELECOMS AREA MASTSTA EASTPAC, HONOLULU, HAWAII																																
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION	5. PROJECT NUMBER P-160																															
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) Indicates that this is not a cost-effective alternative. d. New Construction: Due to the limited land area available, demolishing Building 321 to construct a new BEQ building on the same site was considered. Navy cost guidance lists BEQ's at \$78.00 per square foot. However, a detailed cost analysis to reflect Hawaii's higher cost climate calculated new construction at \$204.00 per square foot which produced a total discounted project cost of \$11,237,000. An economic analysis indicates that this is not a cost-effective alternative. e. Analysis results: Net present value calculations indicate that modernization has the lowest life-cycle cost among the viable alternatives and is lower than 75% of the cost for new construction.																																
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(A) DATE DESIGN STARTED.</td> <td style="text-align: right;">01-92</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right;">50</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">09-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">09-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right;">35</td> </tr> </table> (2) BASIS: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">(A) STANDARD OR DEFINITIVE DESIGN:</td> <td style="width: 40%; text-align: right;">YES ___ NO <u>X</u></td> </tr> <tr> <td>(B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u></td> <td></td> </tr> </table> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right;">(240)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(160)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right;">400</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(370)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(30)</td> </tr> <tr> <td>(4) CONSTRUCTION START.</td> <td style="text-align: right;">11-93</td> </tr> <tr> <td></td> <td style="text-align: right;">(MONTH AND YEAR)</td> </tr> </table>			(A) DATE DESIGN STARTED.	01-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	50	(C) DATE DESIGN 35% COMPLETE	09-92	(D) DATE DESIGN COMPLETE	09-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	35	(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO <u>X</u>	(B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u>			(\$000)	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(240)	(B) ALL OTHER DESIGN COSTS	(160)	(C) TOTAL	400	(D) CONTRACT	(370)	(E) IN-HOUSE	(30)	(4) CONSTRUCTION START.	11-93		(MONTH AND YEAR)
(A) DATE DESIGN STARTED.	01-92																															
(B) PERCENT COMPLETE AS OF JANUARY 1993.	50																															
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(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	35																															
(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO <u>X</u>																															
(B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u>																																
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(E) IN-HOUSE	(30)																															
(4) CONSTRUCTION START.	11-93																															
	(MONTH AND YEAR)																															

 B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
 NONE

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0207 NAVAL AIR STATION, JACKSONVILLE, FLORIDA			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT O2O466ON	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-467	8. PROJECT COST (\$000) 14,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS	SF	144,040	-	9,520
BUILDING	SF	140,590	61.00	(8,580)
ADMINISTRATIVE FACILITY.	SF	3,450	94.00	(320)
BUILT-IN EQUIPMENT	LS	-	-	(620)
SUPPORTING FACILITIES.	-	-	-	3,060
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(590)
ELECTRICAL UTILITIES	LS	-	-	(620)
MECHANICAL UTILITIES	LS	-	-	(1,240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(610)
SUBTOTAL	-	-	-	12,580
CONTINGENCY (5.0%).	-	-	-	630
TOTAL CONTRACT COST.	-	-	-	13,210
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	790
TOTAL REQUEST.	-	-	-	14,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Six-story masonry load-bearing wall building, spread footing foundation on vibro-flotation deep soil densification, stucco clad masonry walls, built-up roof, precast concrete floors, two elevators, fire pumps and mains, sprinkler system, emergency generator; 180 two-bedroom modules with private bathroom, lounges, laundry, storage, vending, mechanical equipment; provisions for intercom and master TV systems, air conditioning, sound attenuation, utilities; one-story central administrative building. Grade Mix: 720 E1-E4. Total: 720.				
11. REQUIREMENT: <u>2,654</u> PN ADEQUATE: <u>1,557</u> PN SUBSTANDARD: (<u>96</u>) PN PROJECT: Provides adequate billeting for 720 enlisted personnel. (Current mission.) REQUIREMENT: Adequate housing for 2,654 enlisted personnel assigned either to the station for support, the air anti-submarine warfare squadron, the rework facility, or the base air operations department, which includes the aircraft intermediate maintenance department. CURRENT SITUATION: Existing adequate berthing capacity of 1,557 spaces is insufficient, resulting in overcrowding. A new construction deficiency of 720 adequate billeting spaces exists. This construction will satisfy all currently identified requirements. IMPACT IF NOT PROVIDED: Adequate living quarters for bachelor enlisted personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts. ADDITIO AL: Economic Alternatives Considered: a. Status Quo: Fourteen existing barracks are inadequate due to configuration (central heads), age (45 years) and location (in the				

(CONTINUED ON DD 1391C)

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1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO129 NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION	
5. PROGRAM ELEMENT 0204896N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-185	8. PROJECT COST (\$000) 14,330	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS MODERNIZATION . . .	LS	-	-	12,580
SUPPORTING FACILITIES.	-	-	-	300
UTILITIES.	LS	-	-	(200)
REMOVAL.	LS	-	-	(100)
SUBTOTAL	-	-	-	12,880
CONTINGENCY (5.0%).	-	-	-	640
TOTAL CONTRACT COST.	-	-	-	13,520
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	810
TOTAL REQUEST.	-	-	-	14,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Modernize portions of ten buildings including upgrading shower and head facilities, doors, walls, floors, roofs, utilities, plumbing and electrical systems, fire protection systems, windows, air conditioning; lead paint and asbestos removal.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Modernizes housing to provide adequate billeting for 1,149 personnel assigned to the station. (Current mission.) <u>REQUIREMENT:</u> Adequate housing meeting current DoD standards. <u>CURRENT SITUATION:</u> Existing adequate berthing capacity is insufficient and results in overcrowding. Up to four or five persons are living in rooms authorized for two or three, with additional personnel living onboard submarines. After modernization of the spaces requested by this project, a new construction deficiency of 1,207 spaces will exist. This remaining projected space deficit will be satisfied by follow-on projects currently planned for the mid-1990's. <u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters for enlisted personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: The following unsafe conditions require renovation to keep the enlisted barracks operable: unsafe stairs, roofs, interior finishes, doors, remove asbestos, plumbing, air conditioning, ventilation, sprinklers, natural gas, fire alarm, power, lighting, heating, ventilation, and air conditioning controls, and new transformers. These unsafe conditions are not acceptable. Therefore, the status quo is not a viable alternative.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0129 NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS MODERNIZATION		5. PROJECT NUMBER P-185
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) b. Renovation/Modernization: This project proposes to renovate the existing spaces. This is the recommended alternative. c. Lease: A net present value analysis of Basic Allowance for Quarters and Variable Housing Allowance costs for barracks occupants indicates that leasing is an excessively expensive option and is not a viable alternative. d. New Construction: New construction is not a viable alternative because renovation is less than 20 percent of new construction cost. e. Analysis Results: Net present value calculations indicate that renovation is the most economical of the viable alternatives.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 01-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 40 (C) DATE DESIGN 35% COMPLETE 07-92 (D) DATE DESIGN COMPLETE 09-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (800) (B) ALL OTHER DESIGN COSTS (50) (C) TOTAL 850 (D) CONTRACT (800) (E) IN-HOUSE (50) (4) CONSTRUCTION START. 12-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62661 NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT 0905796N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-352	8. PROJECT COST (\$000) 7,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS	SF	57,420	-	5,130
BUILDING	SF	57,420	85.00	(4,880)
BUILT-IN EQUIPMENT	LS	-	-	(250)
SUPPORTING FACILITIES	-	-	-	1,700
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(300)
ELECTRICAL UTILITIES	LS	-	-	(420)
MECHANICAL UTILITIES	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT	LS	-	-	(610)
SUBTOTAL	-	-	-	6,830
CONTINGENCY (5.0%)	-	-	-	340
TOTAL CONTRACT COST	-	-	-	7,170
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	430
TOTAL REQUEST	-	-	-	7,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Four-story reinforced concrete and masonry building, concrete floors, standing seam metal roof, pile foundation, freight elevator, fire protection system, air conditioning, utilities; 68 two-bedroom modules with connecting bathrooms, lounges, laundry, storage, vending, kitchens, and mechanical equipment. Grade mix: 272 E1-E4.				
11. REQUIREMENT: <u>934 PN</u> ADEQUATE: <u>464 PN</u> SUBSTANDARD: <u>0 PN</u> <u>PROJECT:</u> Provides adequate housing for 272 enlisted personnel. (Current mission.) <u>REQUIREMENT:</u> Adequate housing for 934 enlisted personnel assigned to this center. <u>CURRENT SITUATION:</u> Existing adequate berthing capacity of 464 spaces is insufficient, resulting in overcrowding. A new construction deficiency of 470 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by follow-on projects. <u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters for all bachelor enlisted personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: A deficiency of 470 adequate billeting spaces exists. Commercial facilities in the Newport area are either non-existent or very expensive. Some enlisted personnel locate out of the area in order to secure less expensive facilities with resultant inconveniences. b. Renovation/Modernization: There are no bachelor enlisted quarters or other facilities available which can be renovated or modernized. c. Lease: Leasing facilities in the Newport area, outside of the Naval Complex, is very expensive. It also presents other problems such				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																												
3. INSTALLATION AND LOCATION/UIC: N62661 NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND																														
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-352																												
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) as providing shuttle service from the off-base facilities to the base for duty, meals, etc. In addition, control and/or discipline may be compromised with resultant adverse public relations. d. New Construction: This is the only alternative that will satisfy the requirement. e. Analysis Results: New present value calculations indicate that new construction has the lowest life-cycle cost among the viable alternatives.																														
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%; border: none;"> <tr> <td>(A) DATE DESIGN STARTED.</td> <td style="text-align: right;">08-91</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right;">40</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">11-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">10-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right;">20</td> </tr> </table> (2) BASIS: <table style="width: 100%; border: none;"> <tr> <td>(A) STANDARD OR DEFINITIVE DESIGN:</td> <td style="text-align: right;">YES___NO <u>X</u></td> </tr> <tr> <td colspan="2">(B) WHERE DESIGN WAS MOST RECENTLY USED: _____</td> </tr> </table> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%; border: none;"> <tr> <td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right;">(400)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(100)</td> </tr> <tr> <td>(C) TOTAL.</td> <td style="text-align: right;">500</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(400)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(100)</td> </tr> </table> (4) CONSTRUCTION START. <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;"></td> <td style="text-align: right;">02-94</td> </tr> <tr> <td></td> <td style="text-align: right;">(MONTH AND YEAR)</td> </tr> </table>			(A) DATE DESIGN STARTED.	08-91	(B) PERCENT COMPLETE AS OF JANUARY 1993.	40	(C) DATE DESIGN 35% COMPLETE	11-92	(D) DATE DESIGN COMPLETE	10-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	20	(A) STANDARD OR DEFINITIVE DESIGN:	YES___NO <u>X</u>	(B) WHERE DESIGN WAS MOST RECENTLY USED: _____		(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(400)	(B) ALL OTHER DESIGN COSTS	(100)	(C) TOTAL.	500	(D) CONTRACT	(400)	(E) IN-HOUSE	(100)		02-94		(MONTH AND YEAR)
(A) DATE DESIGN STARTED.	08-91																													
(B) PERCENT COMPLETE AS OF JANUARY 1993.	40																													
(C) DATE DESIGN 35% COMPLETE	11-92																													
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(A) STANDARD OR DEFINITIVE DESIGN:	YES___NO <u>X</u>																													
(B) WHERE DESIGN WAS MOST RECENTLY USED: _____																														
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(400)																													
(B) ALL OTHER DESIGN COSTS	(100)																													
(C) TOTAL.	500																													
(D) CONTRACT	(400)																													
(E) IN-HOUSE	(100)																													
	02-94																													
	(MONTH AND YEAR)																													
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE																														

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO188 NAVAL AIR STATION, NORFOLK, VIRGINIA			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT O204696N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-721	8. PROJECT COST (\$000) 12,440	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS	SF	147,640	-	9,420
BUILDING	SF	147,640	62.00	(9,150)
BUILT-IN-EQUIPMENT	LS	-	-	(270)
SUPPORTING FACILITIES	-	-	-	1,760
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(500)
ELECTRICAL UTILITIES	LS	-	-	(310)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(650)
SUBTOTAL	-	-	-	11,180
CONTINGENCY (5.0%)	-	-	-	560
TOTAL CONTRACT COST	-	-	-	11,740
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	700
TOTAL REQUEST	-	-	-	12,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Six-story reinforced concrete and masonry building with a one story connecting element, pile foundation, concrete roof deck, concrete floors, brick facing, 180 two-room modules with common bath, fire protection system, air conditioning, utilities and parking; connecting element contains administrative space, elevators, service area, public toilets, laundry, recreational and mechanical spaces. Grade mix: 720 E1-E4. Total: 720.				
11. REQUIREMENT: <u>1,962</u> PN ADEQUATE: <u>1,135</u> PN SUBSTANDARD: (<u>107</u>) PN <u>PROJECT:</u> Provides adequate billeting for 720 enlisted personnel. (Current mission). <u>REQUIREMENT:</u> Adequate housing for 1,962 unaccompanied enlisted personnel. <u>CURRENT SITUATION:</u> Existing adequate berthing capacity is insufficient to meet the requirement. <u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters for bachelor enlisted personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Existing berthing space is insufficient. b. Renovation/Modernization: No other facility exists which can be modified for the intended function. c. Lease: An economic analysis was prepared to consider new construction versus providing Basic Allowance for Quarters (BAQ) or Variable Housing Allowance (VHA) for 720 E1-E4 enlisted personnel to lease private quarters. The net present value for leasing is \$22,500.00, which is not a cost-effective alternative. d. New Construction: Based on the economic analysis, new (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO188 NAVAL AIR STATION, NORFOLK, VIRGINIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-721
11. REQUIREMENT: (CONTINUED) ADDITIONAL: (CONTINUED) construction is the lower cost alternative that will satisfy the requirement. Net present value for new construction is \$20,796,000. e. Analysis results: Net present value calculations indicate that new construction has the lower life-cycle cost of the alternatives.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 02-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 06-92 (D) DATE DESIGN COMPLETE 11-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (0) (B) ALL OTHER DESIGN COSTS (400) (C) TOTAL. 400 (D) CONTRACT (0) (E) IN-HOUSE (400) (4) CONSTRUCTION START. 03-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE		
3. INSTALLATION AND LOCATION/UIC: NOO314 NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII		4. PROJECT TITLE BACHELOR ENLISTED QUARTERS COMPLEX		
5. PROGRAM ELEMENT O2O4896N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-141		
8. PROJECT COST (\$000) 29,900				
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS COMPLEX	SF	130,100	-	14,090
BACHELOR ENLISTED QUARTERS	SF	101,500	96.00	(9,740)
EXCHANGE ADMINISTRATIVE BUILDING	SF	17,500	118.00	(2,070)
LOCATION EXCHANGE	SF	6,900	87.00	(600)
PARKING GARAGE	SF	4,200	100.00	(420)
BUILT-IN EQUIPMENT	LS	-	-	(1,260)
SUPPORTING FACILITIES	-	-	-	12,640
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(4,900)
UTILITIES	LS	-	-	(3,090)
PAVING, SITE IMPROVEMENT, & DEMOLITION	LS	-	-	(4,650)
SUBTOTAL	-	-	-	26,730
CONTINGENCY (5.0%)	-	-	-	1,340
TOTAL CONTRACT COST	-	-	-	28,070
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	1,830
TOTAL REQUEST	-	-	-	29,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
13-story reinforced concrete and masonry bachelor enlisted quarters complex; 132 two-room modules with connecting bathrooms, lounges, laundry, kitchens, storage, vending, and mechanical equipment; pile foundation; elevators, solar water heating system, emergency generators, transformer and substation, fire protection system, parking garage; two-story reinforced concrete and masonry exchange administration building; one-story reinforced concrete and masonry location exchange; mechanical and electrical utilities, demolition of one building, contaminated soil removal. Grade mix: 128 E1/E4; 200 E5/E6; Total: 328				
11. REQUIREMENT: <u>2,590</u> PN ADEQUATE: <u>1,624</u> PN SUBSTANDARD: (<u>686</u>) PN				
PROJECT: Provides adequate billeting for 328 bachelor enlisted personnel. (Current mission.) REQUIREMENT: Sufficient and adequate housing for bachelor enlisted personnel assigned to this base. Adequate facility for the Naval Exchange administrative offices to relocate their functions near the central naval exchange retail stores and out of the Pearl Harbor core area where developable land is scarce. CURRENT SITUATION: The lack of new construction to meet new living criteria and the lack of reasonably priced rental units within the civilian community has created a housing shortfall at this activity. Because of this, personnel are forced to accept whatever housing is available on base. As a result, rooms have become overcrowded, exceeding established minimum allowable living area per person. The Naval Exchange administrative offices are currently being housed in a deteriorated wooden building constructed in 1943.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N00314 NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS COMPLEX		5. PROJECT NUMBER P-141
11. REQUIREMENT: (CONTINUED) IMPACT IF NOT PROVIDED: Personnel will continue to endure overcrowded and substandard living conditions, adversely affecting morale and retention. ADDITIONAL: Economic Alternatives Considered: a. Status Quo: Personnel are sent to hotels at a cost of \$85 per day. An economic analysis indicates that this is not a cost-effective alternative. b. Renovation/Modernization: There are no available facilities which can be modified to provide satisfactory support for more adequate quarters. c. Lease: Personnel are currently sent to hotels at a cost of \$85 per day. Economic analysis shows this alternative is not cost effective. d. New Construction: New construction is the lowest cost alternative based on economic analysis as compared with leasing or the status quo. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life-cycle cost among the viable alternatives.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")		
(1) STATUS:		
(A) DATE DESIGN STARTED.		04-92
(B) PERCENT COMPLETE AS OF JANUARY 1993.		50
(C) DATE DESIGN 35% COMPLETE		06-92
(D) DATE DESIGN COMPLETE		11-93
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.		35
(2) BASIS:		
(A) STANDARD OR DEFINITIVE DESIGN:		YES ___ NO <u>X</u>
(B) WHERE DESIGN WAS MOST RECENTLY USED:		_____
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000)		
(A) PRODUCTION OF PLANS AND SPECIFICATIONS		(1,688)
(B) ALL OTHER DESIGN COSTS		(212)
(C) TOTAL		1,900
(D) CONTRACT		(212)
(E) IN-HOUSE		(1,688)
(4) CONSTRUCTION START.		02-94
(MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NOO181 NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VIRGINIA			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT 0702228N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-354	8. PROJECT COST (\$000) 15,350	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS	SF	113,350	-	8,990
QUARTERS	SF	104,000	65.00	(6,760)
MESSHALL	SF	9,350	149.00	(1,390)
BUILT-IN EQUIPMENT	LS	-	-	(840)
SUPPORTING FACILITIES	-	-	-	4,800
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(400)
UTILITIES	LS	-	-	(1,470)
PAVING AND SITE IMPROVEMENT	LS	-	-	(2,100)
DEMOLITION	LS	-	-	(830)
SUBTOTAL	-	-	-	13,790
CONTINGENCY (5.0%)	-	-	-	690
TOTAL CONTRACT COST	-	-	-	14,480
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	870
TOTAL REQUEST	-	-	-	15,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Five-story building, concrete pile foundation and slab on grade, concrete flat slab supported floor, pitched concrete roof with insulation, built-up roofing, masonry exterior walls, central heating, air conditioning, elevators, fire alarm system, sprinklers with fire pump, utilities, concrete sidewalks, flexible pavement; 123 two-room modules with connecting bathrooms, lounges, laundry, storage, kitchens, vending, and mechanical equipment; demolition of existing buildings and running track; technical operating manuals. Grade mix: 256 E1-E4, 118 E5-E6. Total 374				
11. REQUIREMENT: <u>3,276</u> PN ADEQUATE: <u>851</u> PN SUBSTANDARD: <u>0</u> PN <u>PROJECT:</u> Provides adequate billeting for 374 enlisted personnel at the Naval Shipyard. (Current mission). <u>REQUIREMENT:</u> Adequate housing and dining facilities for 374 enlisted military personnel, crews of vessels undergoing overhaul. An attached enlisted dining facility is required due to the size of the existing facility and the location of the proposed housing. The new dining facility will serve 269 people and will be located on the first floor of the new bachelor enlisted quarters. <u>CURRENT SITUATION:</u> The shipyard currently has a deficiency of quarters for enlisted military personnel. Crews of vessels undergoing overhaul are forced to live in poor conditions on ship, experiencing frequent interruption of heat, air conditioning, steam, water, and electrical services, as well as a generally noisy, dirty environment. The other option for enlisted personnel is to live in expensive rooms outside the shipyard. The proposed BEQ is approximately .6 mile from the existing dining facility. The existing facility can serve approximately 850 people. The substantial increase in the number of enlisted personnel necessitates additional dining facilities.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N00181 NORFOLK NAVAL SHIPYARD, PORTSMOUTH, VIRGINIA		
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		5. PROJECT NUMBER P-354
11. REQUIREMENT: (CONTINUED) <u>IMPACT IF NOT PROVIDED:</u> Continued inadequate or expensive living conditions for crews whose ships are undergoing overhaul, resulting in degradation of morale and career retention efforts. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Maintaining status quo would force military personnel to live in poor conditions on ship. The deteriorated living conditions faced by crews remaining on board vessels during overhauls are demoralizing and disruptive of shipboard routine. Frequent interruption of heat, air conditioning, steam, water, and electrical services combined with the generally noisy, dirty environment render many shipboard areas uninhabitable. The existing dining facility has the capacity to serve approximately 850 people. The substantial increase in the number of enlisted personnel necessitates more dining facilities. The existing dining facility is located 0.6 miles from the proposed BEQ. b. Renovation/Modernization: There are no available facilities which can be modified to provide additional adequate quarters for military personnel. c. Lease: The overhaul schedule at the shipyard fluctuates constantly, and in many instances, the long lead time required for leasing motels and apartments for almost 400 individuals is not possible. The lease option is not a viable alternative. d. New Construction: New construction is the only feasible alternative. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 02-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 07-92 (D) DATE DESIGN COMPLETE 06-94 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (400) (B) ALL OTHER DESIGN COSTS (600) (C) TOTAL 1,000 (D) CONTRACT (900) (E) IN-HOUSE (100) (4) CONSTRUCTION START. 09-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M60169 MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	
5. PROGRAM ELEMENT O206496M	6. CATEGORY CODE 721.12	7. PROJECT NUMBER P-368	8. PROJECT COST (\$000) 8,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS	SF	74,800	85.00	6,360
SUPPORTING FACILITIES.	-	-	-	1,270
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(450)
UTILITIES.	LS	-	-	(290)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(280)
DEMOLITION	LS	-	-	(250)
SUBTOTAL	-	-	-	7,630
CONTINGENCY (5.0%).	-	-	-	380
TOTAL CONTRACT COST.	-	-	-	8,010
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	490
TOTAL REQUEST.	-	-	-	8,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Three-story concrete building, reinforced masonry bearing walls, reinforced concrete floor slabs, reinforced concrete pilings, diaphragm roof, air conditioning, fire protection system, utilities; demolition of four buildings. Grade Mix: 264 E1-E4, 48 E5-E6, 3 E7-E9. Total: 315.				
11. REQUIREMENT: <u>1,529</u> PN ADEQUATE: <u>590</u> PN SUBSTANDARD: <u>(1,342)</u> PN PROJECT: Provides adequate billeting for 315 bachelor enlisted personnel. REQUIREMENT: Adequate living quarters for enlisted personnel in grades E1-E9 assigned to this air station as permanent support. CURRENT SITUATION: There is a deficiency of 973 adequate billeting spaces for bachelor enlisted personnel at MCAS Beaufort. Single enlisted Marines at Beaufort are billeted in substandard quarters that do not meet DoD habitability requirements. IMPACT IF NOT PROVIDED: Adequate billeting will not be available for all enlisted personnel. Marines will continue to occupy inadequate housing and endure a low standard of habitability. This adversely impacts on recruitment and retention of Marines in an all-volunteer environment. The health and morale of Marines occupying substandard quarters is further accentuated when they work with other Marines who occupy quarters that meet standards of adequacy. ADDITIONAL: Economic Alternatives Considered: a. Status Quo: The status quo is not an acceptable alternative because a severe shortage of adequate enlisted bachelor housing will continue to exist. The current bachelor enlisted housing does not meet Department of Defense standards of adequacy and has a detrimental impact on troop morale, welfare and quality of life.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N68436 NAVAL SUBMARINE BASE, BANGOR, WASHINGTON			4. PROJECT TITLE MESS HALL ADDITION	
5. PROGRAM ELEMENT O101896N	6. CATEGORY CODE 722.10	7. PROJECT NUMBER P-062	8. PROJECT COST (\$000) 1,950	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MESS HALL ADDITION	SF	7,970	160.00	1,280
SUPPORTING FACILITIES	-	-	-	470
UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	1,750
CONTINGENCY (5.0%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story precast concrete building addition; concrete foundation and slab on grade; wood truss roof; 750 KVA, 3 phase transformer; utilities; concrete and storm drain.				
11. REQUIREMENT: <u>30,780</u> SF ADEQUATE: <u>22,810</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Constructs an addition to the existing mess hall. (Current mission.) <u>REQUIREMENT:</u> Adequate and properly-configured facilities to accommodate enlisted personnel for a complement of eight Trident submarines. <u>CURRENT SITUATION:</u> The seating area in the existing galley is presently too small to satisfy current patron demand and cafeteria style operations, and cannot accommodate the complement of eight Trident submarines. In addition, the dry food and cold storage rooms currently in use are too small to handle more than one day's food requirements. Each room must be stocked daily. The cold storage warehouse located on the first floor of the mess hall is used to stock the frozen foods for the submarines. It is also used daily, thereby negatively impacting food storage and preparation operations for the submarines. <u>IMPACT IF NOT PROVIDED:</u> Food preparation and storage requirements cannot be met. Patrons will have to be turned away or eating hours will have to be extended, impacting on food preparation for subsequent meals. Food storage areas will have to be stocked three times daily, which will increase manpower requirements and impact food preparation. Lack of adequate amounts of cold storage warehouse space will impair food storage and packing out operations for Trident submarines. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: The existing dining facility does not conform to Navy and Department of Defense criteria. Presently, personnel are offered an				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																				
3. INSTALLATION AND LOCATION/UIC: N68436 NAVAL SUBMARINE BASE, BANGOR, WASHINGTON																						
4. PROJECT TITLE MESS HALL ADDITION		5. PROJECT NUMBER P-062																				
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL: (CONTINUED)</u> alternative to eating at this over-crowded galley by being granted an allowance. Personnel are often requested to hurry up and finish their meals so other patrons can be seated. b. Renovation/Modernization: Providing an addition to the existing facility was found acceptable to provide for the needs of the installation. c. Lease: There is no land near the installation which is zoned for this type of occupancy. If a developer were contracted to provide an off-base dining facility, the land would have to be acquired, zoning ordinances changed, additional utilities provided, all at substantial cost which would be reflected in the lease payment. Transporting personnel by bus to and from duty stations is not reasonable, and security would be difficult. d. New Construction: Land suitable for new construction is scarce on the installation and the consolidation of activities into single facilities is preferred over construction of several satellite structures in close proximity to one another. Land suitable for construction is at a premium on the installation and if the requirement can be served by expansion or renovation of an existing facility, that is the preferred alternative. e. Analysis Results: Net present value calculations indicate that providing an addition to the existing structure has the lowest life-cycle cost among the alternatives.																						
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%;"> <tr> <td>(A) DATE DESIGN STARTED</td> <td style="text-align: right;">05-82</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right;">45</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">10-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">07-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right;">30</td> </tr> </table> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%;"> <tr> <td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right;">(45)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(90)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right;">135</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(120)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(15)</td> </tr> </table> (4) CONSTRUCTION START. 11-83 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE			(A) DATE DESIGN STARTED	05-82	(B) PERCENT COMPLETE AS OF JANUARY 1993.	45	(C) DATE DESIGN 35% COMPLETE	10-92	(D) DATE DESIGN COMPLETE	07-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	30	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(45)	(B) ALL OTHER DESIGN COSTS	(90)	(C) TOTAL	135	(D) CONTRACT	(120)	(E) IN-HOUSE	(15)
(A) DATE DESIGN STARTED	05-82																					
(B) PERCENT COMPLETE AS OF JANUARY 1993.	45																					
(C) DATE DESIGN 35% COMPLETE	10-92																					
(D) DATE DESIGN COMPLETE	07-93																					
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	30																					
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(45)																					
(B) ALL OTHER DESIGN COSTS	(90)																					
(C) TOTAL	135																					
(D) CONTRACT	(120)																					
(E) IN-HOUSE	(15)																					

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62588 NAVAL SUPPORT ACTIVITY, NAPLES, ITALY			4. PROJECT TITLE QUALITY OF LIFE FACILITIES (INCREMENT I)	
5. PROGRAM ELEMENT O2O4796N	6. CATEGORY CODE 722.10	7. PROJECT NUMBER P-136	8. PROJECT COST (\$000) 11,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
QUALITY OF LIFE FACILITIES	SF	45,670	-	9,460
MESS HALL.	SF	24,850	209.00	(5,190)
QUALITY OF LIFE BUILDING	SF	20,820	205.00	(4,270)
SUPPORTING FACILITIES.	-	-	-	1,180
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(130)
UTILITIES.	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(630)
DEMOLITION	LS	-	-	(230)
SUBTOTAL	-	-	-	10,640
CONTINGENCY (5.0%).	-	-	-	530
TOTAL CONTRACT COST.	-	-	-	11,170
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	730
TOTAL REQUEST.	-	-	-	11,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One single-story and one two-story concrete frame building with concrete spread footings and pile foundations, concrete floor slabs, masonry walls, single ply membrane over concrete deck, seismic design, air conditioning, fire protection system, emergency lighting, technical operating manuals, dual fired gas/oil boilers, utilities, demolition of existing buildings.				
11. REQUIREMENT: <u>45,670</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Provides a mess hall with restaurant and quality of life facilities to include a consolidated club, an amusement center, a credit union, a bank, a bookstore, and a special service (ITT) office. (Current mission.) <u>REQUIREMENT:</u> Adequate facilities for dining and recreational activities for military personnel living at Capodichino. These facilities are programmed in support of the expanded mission at Capodichino and do not represent facilities relocated from Agnano. This is the first of three projects providing quality of life facilities at Capodichino. <u>CURRENT SITUATION:</u> The facilities at Capodichino are old, undersized and in poor condition. In addition, the facilities are not sufficient to feed the expanding base population, and there is a complete lack of recreational facilities. The existing facilities will be demolished to provide space for the on-going Naples relocation projects. <u>IMPACT IF NOT PROVIDED:</u> Continued use of inadequate dining and quality of life facilities and an absence of recreational facilities at Capodichino, resulting in degradation of morale and impacting career retention efforts. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: 1. Messhall: The existing facility is old and undersized. The				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																				
3. INSTALLATION AND LOCATION/UIC: N62588 NAVAL SUPPORT ACTIVITY, NAPLES, ITALY																						
4. PROJECT TITLE QUALITY OF LIFE FACILITIES (INCREMENT I)		5. PROJECT NUMBER P-136																				
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL: (CONTINUED)</u> structure and mechanical systems are in very poor condition, which creates major safety hazards and excess maintenance costs. Because of the expanded mission at Capodichino and the subsequent increase in personnel living at the site, larger facilities will be needed. 2. Quality of Life Facilities: There are no existing facilities which provide quality of life functions. b. Renovation/Modernization: 1. Messhall: The existing facility was constructed before seismic building codes existed in Italy. Upgrading the existing is prohibitively disruptive and costly. Under the Naples Improvement Initiative, the working population at Capodichino will increase ten-fold. To maintain the quality of life, the messhall must operate uninterrupted. 2. Quality of Life Facilities: No existing facilities are available for renovation/modernization. c. Lease: Lease costs for the Naples complex have been increasing at a dramatic rate. Many facilities considered for leasing in the Naples area are not adaptable for the functions to be located in them. Most of the structures in the Naples area were built prior to the establishment of national seismic construction standards and are not resistant to damage. d. New Construction: New construction is the lowest cost alternative based on an economic analysis of the Naples area. A new facility will be designed with maximum efficiency and will meet seismic safety requirements. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life-cycle cost among the viable alternatives.																						
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%;"> <tr> <td>(A) DATE DESIGN STARTED</td> <td style="text-align: right;">05-92</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right;">65</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right;">10-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right;">07-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right;">30</td> </tr> </table> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%;"> <tr> <td>(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right;">(650)</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right;">(200)</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right;">850</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right;">(650)</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right;">(200)</td> </tr> </table> (4) CONSTRUCTION START. 11-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE			(A) DATE DESIGN STARTED	05-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	65	(C) DATE DESIGN 35% COMPLETE	10-92	(D) DATE DESIGN COMPLETE	07-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	30	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(650)	(B) ALL OTHER DESIGN COSTS	(200)	(C) TOTAL	850	(D) CONTRACT	(650)	(E) IN-HOUSE	(200)
(A) DATE DESIGN STARTED	05-92																					
(B) PERCENT COMPLETE AS OF JANUARY 1993.	65																					
(C) DATE DESIGN 35% COMPLETE	10-92																					
(D) DATE DESIGN COMPLETE	07-93																					
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	30																					
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(650)																					
(B) ALL OTHER DESIGN COSTS	(200)																					
(C) TOTAL	850																					
(D) CONTRACT	(650)																					
(E) IN-HOUSE	(200)																					

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: N00314 NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII				4. PROJECT TITLE ENLISTED MESS HALL MODERNIZATION		
5. PROGRAM ELEMENT 0204896N		6. CATEGORY CODE 722.10	7. PROJECT NUMBER P-126		8. PROJECT COST (\$000) 2,670	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
ENLISTED MESS HALL MODERNIZATION			LS	-	-	2,390
BUILDING MODERNIZATION			LS	-	-	(2,150)
BUILT-IN EQUIPMENT			LS	-	-	(240)
SUBTOTAL			-	-	-	2,390
CONTINGENCY (5.0%)			-	-	-	120
TOTAL CONTRACT COST			-	-	-	2,510
SUPERVISION, INSPECTION & OVERHEAD (6.5%)			-	-	-	160
TOTAL REQUEST			-	-	-	2,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS			-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Renovation of existing spaces for a speedline and self-serve area; cashier's stands; expansion of the vegetable preparation area; women's and men's restrooms; conversion of storage space to office space; renovation of worker's locker room and restrooms; demolition and reconstruction of the smoke pit and pot scullery; fire safety improvements; replacement of plumbing, water heater tank, exhaust hoods, steam lines, electrical wiring, interior light fixtures, floor tiles, wainscots, chill boxes, and rotary ovens.						
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Modernizes an enlisted mess hall. (Current mission.) <u>REQUIREMENT:</u> A modern, efficient, and reliable mess hall for preparing and serving meals to ensure the sustainability, readiness, and reliability of the submarine forces in the performance of their mission. <u>CURRENT SITUATION:</u> The existing mess hall is located on the first floor of a bachelor enlisted quarters built in 1927 and has not been extensively renovated since it began operations. The plumbing, steam lines, and electrical system are old and deteriorated. The interior layout is not suited for an item pricing (pay for meals) type of operation since self-serve areas are located in the dining areas, and there is presently no cashier's stand at the exit of the serving area. Efficiency is hampered by the use of only one regular serving line. In addition, the architectural features are old, worn, and have an outdated appearance. <u>IMPACT IF NOT PROVIDED:</u> Continued use of a deteriorated, substandard, and inefficient facility to the detriment of morale and base operations. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: The existing facility, built in 1927, is substandard						

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0314 NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII		
4. PROJECT TITLE ENLISTED MESS HALL MODERNIZATION		5. PROJECT NUMBER P-126
11. REQUIREMENT: (CONTINUED) ADDITIONAL: (CONTINUED) and has not received an overall or extensive renovation or modernization. The mechanical and electrical systems are obsolete and deteriorated. The facility is suspected of containing hazardous materials such as asbestos, lead paint, and PCB ballasts in the existing fluorescent fixtures. Since it is the only enlisted dining facility at NSB Pearl Harbor, failure to modernize it will impact on operational commitments, morale, safety, health, and the environment. b. Renovation/Modernization: This is the selected alternative. No other viable options are available. c. Lease: There are no commercial facilities capable of providing the required services. d. New Construction: The cost of new construction is \$7,500,000. The cost of modernization is less than 70% of the cost of new construction. New construction is not a viable alternative. e. Analysis results: Net present value calculations were not performed since modernization is the only viable option.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 04-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 50 (C) DATE DESIGN 35% COMPLETE 07-92 (D) DATE DESIGN COMPLETE 11-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (110) (B) ALL OTHER DESIGN COSTS (70) (C) TOTAL. 180 (D) CONTRACT (150) (E) IN-HOUSE (30) (4) CONSTRUCTION START. 02-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N61577 NAVAL AIR STATION, AGANA, GUAM			4. PROJECT TITLE BACHELOR OFFICER QUARTERS MODERNIZATION	
5. PROGRAM ELEMENT O204696N	6. CATEGORY CODE 724.11	7. PROJECT NUMBER P-209P	8. PROJECT COST (\$000) 3,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR OFFICER QUARTERS MODERNIZATION.	LS	-	-	2,000
SUPPORTING FACILITIES.	-	-	-	1,410
UTILITIES.	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(500)
REMOVAL.	LS	-	-	(770)
SUBTOTAL.	-	-	-	3,410
CONTINGENCY (5.0%).	-	-	-	170
TOTAL CONTRACT COST.	-	-	-	3,580
SUPERVISION, INSPECTION & OVERHEAD (6.5%).	-	-	-	220
TOTAL REQUEST.	-	-	-	3,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Modernize an existing bachelor officers quarters, including alteration of bathrooms, living areas, common areas, centralized storage, and mechanical rooms; replace cooling system; asbestos removal.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Modernize an existing bachelor officers quarters. (New mission). <u>REQUIREMENT:</u> Adequate housing for VRC-50 squadron officers relocating from Subic Bay, Philippines to Andersen Air Force Base, Guam. <u>CURRENT SITUATION:</u> An existing facility at Andersen Air Force Base is available to house Naval personnel relocating from the Philippines, but the substandard facility requires alterations to make the facility adequate. <u>IMPACT IF NOT PROVIDED:</u> Navy personnel will be housed in a facility that is substandard, which will negatively impact morale and retention. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not an option because the project supports the forced relocation of Fleet Logistics Support Squadron Five Zero (VRC-50) from Cubi Point, Philippines to Andersen Air Force Base, Guam, for which no existing facilities can satisfy the requirement. b. Renovation/Modernization: Building 27000 is an Air Force excess, substandard facility that was vacated when the Air Force B-52 Bomber Squadron was pulled out and has since been under caretaker status. Renovation of the facility to satisfy the requirements for a standard Navy living quarters is possible. A preliminary economic analysis indicated that it is the only viable alternative because of the high cost of providing utilities on a remote site if new construction is considered. c. Lease: Leasing is not an option because no sizable complex is				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N61577 NAVAL AIR STATION, AGANA, GUAM		
4. PROJECT TITLE BACHELOR OFFICER QUARTERS MODERNIZATION		5. PROJECT NUMBER P-209P
11. REQUIREMENT: (CONTINUED) ADDITIONAL: (CONTINUED) available to accommodate the requirement. d. New Construction: New construction is the other alternative considered, however, because of remote siting, preliminary economic analysis indicated the cost of providing basic utilities is more than the cost of the new structure, and therefore eliminated the alternative. e. Analysis Results: Net present value calculations were not performed since renovation/modernization is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 08-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 08-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 10 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (120) (B) ALL OTHER DESIGN COSTS (180) (C) TOTAL 300 (D) CONTRACT (240) (E) IN-HOUSE (60) (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 308

COMMUNITY FACILITIES

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
740.74	705	MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA	CHILD DEVELOPMENT CENTER	860	180
740.74	202	NAVAL AIR STATION, BARBERS POINT, HAWAII	CHILD DEVELOPMENT CENTER	2,700	161
740.74	101	NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND	CHILD DEVELOPMENT CENTER	3,130	163
740.74	389P	NAVAL STATION, GUAM	CHILD DEVELOPMENT CENTER ADDITION	2,050	165
740.74	004	NAVAL HOSPITAL, GUAM	CHILD DEVELOPMENT CENTER	2,500	167
740.74	246	MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	CHILD DEVELOPMENT CENTER	3,900	169
740.74	744	NAVAL STATION, ROTA, SPAIN	CHILD DEVELOPMENT CENTER	2,700	171
740.74	102	NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA	CHILD DEVELOPMENT CENTER	2,730	173
740.74	739	NAVAL AIR STATION, SIGONELLA, ITALY	CHILD DEVELOPMENT CENTER	3,500	175
740.74	313	COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA	CHILD DEVELOPMENT CENTER	1,500	177
TOTAL	-	COMMUNITY FACILITIES		25,570	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UID: NO0334FA NAVAL AIR STATION, BARBERS POINT, HAWAII			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 0204660N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-202	8. PROJECT COST (\$000) 2,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	8,650	159.00	1,380
SUPPORTING FACILITIES.	-	-	-	1,040
UTILITIES.	LS	-	-	(680)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(360)
SUBTOTAL	-	-	-	2,420
CONTINGENCY (5.0%).	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,540
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	160
TOTAL REQUEST.	-	-	-	2,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, fire protection system, air conditioning, utilities; covered and uncovered fenced outdoor play area, and parking.				
11. REQUIREMENT: <u>8,650</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Provides a child development center on the station with a capacity of 100 children. (Current mission.) <u>REQUIREMENT:</u> An adequate and centralized child care facility to serve the military personnel assigned to this station. A child development center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child development centers are a necessary element in today's environment as their availability alleviates many problems incurred by military parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and their dependents. <u>CURRENT SITUATION:</u> The existing child development center provides day care for 120 children and is operating at its maximum allowable capacity. Because of a lack of space, the center has been forced to turn away children or place them on a waiting list which currently has 135 children. A new center will reduce travel times for parents in need of child care and reduce the burden created on children because of insufficient child care facilities. <u>IMPACT IF NOT PROVIDED:</u> The lack of sufficient child development facilities is detrimental to the welfare and morale of personnel and adversely affects retention. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: The existing center is overcrowded and substandard.				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0334FA NAVAL AIR STATION, BARBERS POINT, HAWAII		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER		5. PROJECT NUMBER P-202
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL: (CONTINUED)</u> The waiting list of 135 children is expected to grow to over 200 with the expected addition of the sixth P-3 Squadron. b. Renovation/Modernization: Renovation or modernization of the existing facility is not feasible. These semi-permanent buildings cannot be made adequate for the required increased demand. c. Lease: Commercial leasing is not a viable option. There are no facilities in town which can provide the service economically with the required level of insurance. d. New Construction: This is the only viable option to provide the required levels of child care. e. Analysis Results: Net present value calculations were not performed, since new construction is the only feasible alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 08-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 100 (C) DATE DESIGN 35% COMPLETE 06-92 (D) DATE DESIGN COMPLETE 01-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 70 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (135) (B) ALL OTHER DESIGN COSTS (135) (C) TOTAL 270 (D) CONTRACT (180) (E) IN-HOUSE (80) (4) CONSTRUCTION START. 10-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO498A NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 0807796N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-101	8. PROJECT COST (\$000) 3,130	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	22,350	108.00	2,410
SUPPORTING FACILITIES	-	-	-	400
UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT	LS	-	-	(230)
SUBTOTAL	-	-	-	2,810
CONTINGENCY (5.0%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2,950
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	180
TOTAL REQUEST	-	-	-	3,130
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION <i>One-story concrete masonry building, concrete foundation and floors, masonry walls; air conditioning, fire protection system, utilities, fenced outdoor play area, and parking.</i>				
11. REQUIREMENT: <u>22,350</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Provides a child development center for 300 children from infants through five years of age. (Current mission.) <u>REQUIREMENT:</u> Adequate facilities to support a child development center. A child development center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child development centers are a necessary element in today's environment as their availability alleviates many problems incurred by military parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and their dependents. <u>CURRENT SITUATION:</u> The existing child development center can only accommodate 36 children. A trailer was obtained to provide additional space, but only accommodates 82 children. Both the existing facility and the trailer do not provide the configuration and space allowance, indoor and outdoor, needed for the number of children supported and fail to satisfy the station's requirement for child care. With the increasing number of children placed on the waiting list, this activity does not have the facilities with proper space allowance, fire and safety standards to meet the 300 children demand. <u>IMPACT IF NOT PROVIDED:</u> The lack of adequate child care facilities is a detriment to welfare and morale of personnel and adversely affects retention.				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NO498A NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER P-101	

11. REQUIREMENT: (CONTINUED)
ADDITIONAL:
Economic Alternatives Considered:
a. Status Quo: This project supports an expanding mission, and there are no existing facilities which will satisfy the requirement.
b. Renovation/Modernization: There are no available facilities which can be modified to provide satisfactory support for this new mission.
c. Lease:
Leases service: This option is eliminated because of the high rate structure in the local area. The current rate structure for off-base child care services (not child development services) range from \$90 per week for preschooler to \$125 per week for infants, independent of the family income. Current military rates under the Military Child Care Act are \$41 to \$84 per week based on the family income, independent of the age of the child. Additionally, the local centers currently do not indicate any excessive capacity which could be leased to the government.
Leased facility: This option is eliminated because of a lack of interest by public/private ventures. These organizations cannot provide the required services for a Military Child Care Center in OPNAVINST 1700.9C and be competitive with the rate structure under the Military.
d. New Construction: This option is the only viable alternative.
e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.

12. SUPPLEMENTAL DATA:
A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")

(1) STATUS:	
(A) DATE DESIGN STARTED	07-91
(B) PERCENT COMPLETE AS OF JANUARY 1993.	100
(C) DATE DESIGN 35% COMPLETE	11-91
(D) DATE DESIGN COMPLETE	06-92
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	100
(2) BASIS:	
(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO <u>X</u>
(B) WHERE DESIGN WAS MOST RECENTLY USED:	_____
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000)	
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(200)
(B) ALL OTHER DESIGN COSTS	(50)
(C) TOTAL	250
(D) CONTRACT	(200)
(E) IN-HOUSE	(50)
(4) CONSTRUCTION START	12-93
	(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:
NONE

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N61755 NAVAL STATION, GUAM			4. PROJECT TITLE CHILD DEVELOPMENT CENTER ADDITION	
5. PROGRAM ELEMENT O2O4796N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-389P	8. PROJECT COST (\$000) 2,050	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER ADDITION.	SF	7,500	239.00	1,790
SUPPORTING FACILITIES.	-	-	-	50
UTILITIES, PAVING, AND SITE IMPROVEMENT.	LS	-	-	(50)
SUBTOTAL	-	-	-	1,840
CONTINGENCY (5.0%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,930
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	120
TOTAL REQUEST.	-	-	-	2,050
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)(	0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Single-story reinforced concrete building addition, roof insulation, air conditioning, fire protection system, utilities, fenced outdoor play area, and parking.				
11. REQUIREMENT: <u>7,500</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Provides an additional child development center for the remaining requirement associated with the Philippines realignment and to reduce the existing waiting list. The facility will have a capacity of 100 children. (New mission.) <u>REQUIREMENT:</u> Adequate facilities to support a child development center. A child development center provides supervised care for infants, pre-toddler, toddler, pre-school and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is unable to care for them. Child development centers are a necessary element in today's environment as their availability alleviates many problems incurred by military parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and their dependents. <u>CURRENT SITUATION:</u> Existing facilities are not large enough to accommodate all pre-school dependent children of active duty military personnel desiring child development services. There is a backlog of 183 children. <u>IMPACT IF NOT PROVIDED:</u> Existing facilities will continue to operate in overcrowded conditions which cannot meet current demands for child care. The lack of adequate child care facilities is a detriment to the welfare and morale of personnel and adversely affects retention. Relocation of the Subic Bay Naval Base activities to Guam increases the existing deficiencies in child care facilities.				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N61755 NAVAL STATION, GUAM		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER ADDITION		5. PROJECT NUMBER P-389P
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Existing facilities are not large enough to meet the demand. No existing facilities will satisfy the requirement. Child care requirements have increased due to the relocation of activities from the Philippines. b. Renovation/Modernization: There are no available facilities that can be modified. c. Lease: Private sector child care is nearly non-existent on Guam as most families requiring child care rely on the extended family. Service members stationed on Guam do not have this advantage. d. New Construction: New construction is the only viable alternative to satisfy this requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 08-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 08-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 10 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (125) (B) ALL OTHER DESIGN COSTS (175) (C) TOTAL 300 (D) CONTRACT (250) (E) IN-HOUSE (50) (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N68096 NAVAL HOSPITAL, GUAM			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT O807711N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-004	8. PROJECT COST (\$000) 2,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	8,830	230.00	2,030
SUPPORTING FACILITIES	-	-	-	220
UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
SUBTOTAL	-	-	-	2,250
CONTINGENCY (5.0%)	-	-	-	110
TOTAL CONTRACT COST	-	-	-	2,360
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	140
TOTAL REQUEST	-	-	-	2,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story, concrete building, air conditioning, fire protection system, utilities, fenced outdoor play area, and parking.				
11. REQUIREMENT: <u>8,830</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
PROJECT: Provides a facility for the care and development of approximately 115 children. (Current mission). REQUIREMENT: Adequate facilities to support a child development center. A Child development center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child development centers are a necessary element in today's environment as their availability alleviates many problems incurred by military parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and their dependents. CURRENT SITUATION: The existing child development center is located in a hospital building as a temporary measure. The location is partially below ground, in violation of Navy instructions, with many life safety deficiencies. The existing center is undersized and in violation of life safety codes due to very limited avenues of movement and escape from the underground location. IMPACT IF NOT PROVIDED: The existing facility will continue to operate in inadequate conditions which cannot meet current demands for child care. The lack of adequate child care facilities is a detriment to the welfare and morale of personnel and adversely affects retention. ADDITIONAL: Economic Alternatives Considered: a. Status Quo: The present Child Development Center (CDC) is crowded				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N68096 NAVAL HOSPITAL, GUAM		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER		5. PROJECT NUMBER P-004
11. REQUIREMENT: (CONTINUED) ADDITIONAL: (CONTINUED) and located within the main naval hospital building as a "temporary" measure until a new CDC structure can be built. The present CDC location has serious life safety deficiencies and is located underground which is in direct violation of OPNAVISNT 1700.9C and NFC 101. This present CDC (448 SF) serves 54 children. Fifty children are currently on the CDC waiting list. This facility has a total of two egresses vice one egress per room. Guam is experiencing a large influx of military personnel and families from the Philippines. This relocation of military families was rather unexpected and has increased the demand for child development/child care services on Guam. b. Renovation/Modernization: Renovation is not a viable option because the CDC is located underground in an aging facility with very limited avenues of movement and escape. The size of the current CDC is too small to accommodate the genuine need for child development/child care services at the naval hospital. No additional space is available for relocation of the CDC. Even with "modernization efforts" the CDC would be undersized in violation of life safety codes. c. Lease: All CDC services aboard the naval station are filled to capacity. There are no other facilities within the local civilian community which could serve as CDC centers. d. New Construction: New construction is the only viable option for providing a safe, secure and suitable environment for child development. e. Analysis Results: Net present value calculations were not performed, since New Construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 06-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 40 (C) DATE DESIGN 35% COMPLETE 09-92 (D) DATE DESIGN COMPLETE 09-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 35 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (125) (B) ALL OTHER DESIGN COSTS (175) (C) TOTAL. 300 (D) CONTRACT (250) (E) IN-HOUSE (50) (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 0808719M	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-246	8. PROJECT COST (\$000) 3,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	21,310	96.00	2,050
SUPPORTING FACILITIES.	-	-	-	1,450
UTILITIES.	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,150)
SUBTOTAL	-	-	-	3,500
CONTINGENCY (5.0%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,680
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	220
TOTAL REQUEST.	-	-	-	3,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story building with load bearing masonry walls, roof trusses and standing seam metal roofing on sloped surfaces and single-ply roofing on flat surfaces; spread footing foundation with slab on grade; fire protection system, utilities, air conditioning, fenced outdoor play area, and parking.				
11. REQUIREMENT: <u>21,310</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Provide a child development center for 298 children between the ages of six weeks to twelve years. (Current mission.) <u>REQUIREMENT:</u> An adequate and centralized child care facility to serve the military personnel assigned to this activity. A child development center provides supervised care for infants, preschool, and school-age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is unable to care for them. Child care centers are a necessary element in today's environment as their availability alleviates many problems incurred by military parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and assist the Marine Corps with its fundamental responsibility of maintaining force readiness by retaining trained and effective personnel. <u>CURRENT SITUATION:</u> The existing facility was originally designed as a bowling alley and never intended for child care use. Its configuration requires overstaffing to meet ratios, group size, and development program requirements. This facility houses 74 of the 119 children enrolled for child care, with the other 45 cared for in three inadequate, temporary trailers. In addition, there is a waiting list of 235 children who cannot be accommodated. (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: MOO264 MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER		5. PROJECT NUMBER P-246
11. REQUIREMENT: (CONTINUED) <u>IMPACT IF NOT PROVIDED:</u> Child care services will continue to be provided in an inadequate and insufficient manner. The use of inadequate temporary facilities will continue. The lack of adequate child care facilities is detrimental to the welfare and morale of assigned personnel and adversely affects retention. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not a viable alternative. The average daily requirement for child care is 298. The existing center, using one permanent facility and three trailers, can only accommodate 115 children. b. Renovation/Modernization: There are no available facilities which can be practically modified to provide adequate space for this requirement. The existing site is approximately one acre. Minimum required space for any renovation or addition is 2.5 acres. c. Lease: Off-base facilities in the local area are at peak loading. In addition, it is estimated that if child care services were available through a contractor, the service member would pay an additional \$35 per week. d. New Construction: New construction is the only alternative which will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 05-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 50 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 07-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 25 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (250) (B) ALL OTHER DESIGN COSTS (50) (C) TOTAL 300 (D) CONTRACT (250) (E) IN-HOUSE (50) (4) CONSTRUCTION START. 11-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62863 NAVAL STATION, ROTA, SPAIN			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-744	8. PROJECT COST (\$000) 2,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	17,250	116.00	2,000
SUPPORTING FACILITIES	-	-	-	420
UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(210)
DEMOLITION	LS	-	-	(80)
SUBTOTAL	-	-	-	2,420
CONTINGENCY (5.0%)	-	-	-	120
TOTAL CONTRACT COST	-	-	-	2,540
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	160
TOTAL REQUEST	-	-	-	2,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Single-story reinforced concrete frame building, masonry walls, spread footings and grade beams, concrete slab floor, tile roofing, heating, ventilation, air conditioning, fire protection system, utilities, step down transformer, fenced outdoor play area, parking; demolition of four buildings.				
11. REQUIREMENT: 17,250 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF <u>PROJECT:</u> Provides a facility for the care and development of 230 children, including hot-meal service and laundry area. (Current mission). <u>REQUIREMENT:</u> Adequate facilities to support a child development center. A child development center provides supervised care for infants, pre-school, and school age children in a common facility on a regularly scheduled or drop-in basis when parents are employed or at times when the family is temporarily unable to care for them. Child development centers are a necessary element in today's environment as their availability alleviates many problems incurred by parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and their dependents. <u>CURRENT SITUATION:</u> Existing child development services occupy several inadequate facilities throughout the station. These facilities provide substandard full-day care for 56 children. An average of 96 children receive part-time care. The waiting list for full-time care includes 85 children. A total of 100 children receive home-care. No suitable programs are available in the surrounding Spanish community. <u>IMPACT IF NOT PROVIDED:</u> Some eligible children will be cared for under less than adequate conditions. The provision for safe care will be jeopardized. The lack of adequate child care facilities is a detriment to the welfare and morale of personnel and adversely affects retention.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N62863 NAVAL STATION, ROTA, SPAIN		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER		5. PROJECT NUMBER P-744
11. REQUIREMENT: (CONTINUED) ADDITIONAL: Economic Alternatives Considered: a. Status Quo: Limited Child Development Services (CDS) are dispersed in seven substandard and inadequate facilities throughout the Naval Station. There is an increasing need for CDS for military and OOD working parents. The need to provide a centrally located and suitable facility at Naval Station Rota has become a key quality of life requirement. Inadequate and inconvenient facilities impact morale of personnel and cause loss in work and mission productivity due to excessive preoccupation with dependent's welfare. Many parents currently utilize off-base, non-english speaking, and unqualified baby sitters which results in non-traditional early stage development of children with some children learning spanish as their primary language. b. Renovation/Modernization: Due to deficient support space for nearly all category codes at Naval Station, Rota, there is no identifiable space which could be rehabilitated to support this requirement. c. Lease: Net Present Value of \$3,431K was calculated for leasing of a prefabricated structure on base, assuming an extended economic life of 25 years. Off-base leasing of such a facility is not an option due to security considerations, unavailability of adequate facilities for the purpose, and increased inconvenience for parents having to commute off base. d. New Construction: Net present value for new construction cost is \$2,805K for an economic life of 25 years. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life-cycle cost among the viable alternatives.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 11-89 (B) PERCENT COMPLETE AS OF JANUARY 1993. 100 (C) DATE DESIGN 35% COMPLETE 04-90 (D) DATE DESIGN COMPLETE 04-91 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 100 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (40) (B) ALL OTHER DESIGN COSTS (20) (C) TOTAL. 60 (D) CONTRACT (40) (E) IN-HOUSE (20) (4) CONSTRUCTION START. 10-93 (MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0259 NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 0807796N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-102	8. PROJECT COST (\$000) 2,730	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	20,640	107.00	2,210
SUPPORTING FACILITIES	-	-	-	250
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(90)
UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
SUBTOTAL	-	-	-	2,460
CONTINGENCY (5.0%)	-	-	-	120
TOTAL CONTRACT COST	-	-	-	2,580
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,730
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story building, concrete piling and footings, concrete slab on compacted fill; open web steel joists, metal decking, rigid insulation and elastomeric roof; fire protection system, utilities, fenced outdoor play area, and parking.				
11. REQUIREMENT: <u>20,640</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF <u>PROJECT:</u> Provides a child development center for 246 infants, toddlers, and pre-school age dependent children of military personnel and patients on base. (Current mission.) <u>REQUIREMENT:</u> Adequate facilities to support a child development center. A child development center provides supervised care for infants, pre-school and school age children in a common facility when parents are at work or at times when the family is unable to care for them. Child development centers are a necessary element in today's environment as their availability alleviates many problems incurred by military parents who are single, who both work or who have other special needs. These centers make the quality of service life more appealing to military personnel and their dependents. <u>CURRENT SITUATION:</u> Existing facility is inadequate and provides care for only 73 children. A capacity of 246 children is needed at the Naval hospital. In addition, there is no playground space available. There are no kitchen facilities, and no meals are provided. There are not enough toilets and no ventilation. There is no direct access to the outside ground level. <u>IMPACT IF NOT PROVIDED:</u> The existing inadequate facility will continue to operate in overcrowded, inadequate conditions which cannot meet current demands for child care. The lack of adequate child care facilities is a detriment to the welfare and morale of personnel and adversely affects retention.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62995 NAVAL AIR STATION, SIGONELLA, ITALY			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-739	8. PROJECT COST (\$000) 3,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	18,200	150.00	2,730
SUPPORTING FACILITIES	-	-	-	400
UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
DEMOLITION AND REMOVAL	LS	-	-	(100)
SUBTOTAL	-	-	-	3,130
CONTINGENCY (5.0%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,290
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	210
TOTAL REQUEST	-	-	-	3,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Single-story, reinforced concrete and masonry structure, masonry interior partitions, concrete spread footings, concrete slab on grade, clay tile roof on steel roof joists, heating, ventilation, air conditioning, fire protection system, seismic design criteria, utilities, fenced outdoor play area, parking; demolition of three buildings and removal of asbestos.				
11. REQUIREMENT: <u>18,200</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF PROJECT: Provides a modern child development center with a capacity of 230 children. (Current mission.) REQUIREMENT: Adequate facilities to support a child development center. A child development center provides supervised care for infants, pre-school, and school age children in a common facility on a regularly scheduled or drop-in basis when parents are employed or at times when the family is temporarily unable to care for them. Child development centers are a necessary element in today's environment as their availability alleviates many problems incurred by parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and their dependents. CURRENT SITUATION: The existing child care center provides care for 93 children and is inadequate to support the present demand. The waiting list is limited to families where both parents work and includes 193 children, 100 of whom currently receive home-care. The waiting period averages 12 months. An additional 60 children of single-parents require pre-school care. IMPACT IF NOT PROVIDED: The existing facility will continue to operate in overcrowded conditions which cannot meet current demands for child care. The lack of adequate child care facilities is a detriment to the welfare and morale of personnel and adversely affects retention.				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO171 COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 0901296N	6. CATEGORY CODE 740.74	7. PROJECT NUMBER P-313	8. PROJECT COST (\$000) 1,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER	SF	8,000	120.00	960
SUPPORTING FACILITIES.	-	-	-	380
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(180)
UTILITIES.	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	1,340
CONTINGENCY (5.0%).	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,410
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	90
TOTAL REQUEST.	-	-	-	1,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
One-story building with special pile foundation, concrete slab on grade, load bearing masonry walls; steel joist roof structural system with rigid insulation and built-up roofing; interior steel columns, fire protection system; heating, ventilating, and air conditioning system; utilities, fenced outdoor play area, and parking.				
11. REQUIREMENT: <u>8,000</u> SF ADEQUATE: <u>0</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> Provides a child care center for 100 pre-school age children and infants of the military population within the Naval District Washington. (Current mission.) <u>REQUIREMENT:</u> An adequate and centralized child care facility to serve the military personnel of this activity. A child development center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis when parents are employed or at times when the family is temporarily unable to care for them. Child development centers are a necessary element in today's environment, as their availability alleviates many problems incurred by military parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and their dependents. <u>CURRENT SITUATION:</u> This activity has no adequate child care facilities. Children are presently cared for in unlicensed, informal private home arrangements where the child's safety and the quality of care being provided cannot be assured, or in expensive commercial facilities. Based on recent surveys, there is a need for child development centers to support 726 children in the National Capital Region. One center exists at Bellevue Housing, supporting 60 children. FY 1992 MCON P-306, Child Development Center at Anacostia, will provide space for an additional 300 children. This project will provide space for 100 children.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO171 COMMANDANT NAVAL DISTRICT, WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER		5. PROJECT NUMBER P-313
11. REQUIREMENT: (CONTINUED) <u>IMPACT IF NOT PROVIDED:</u> The lack of adequate child care facilities is a detriment to the welfare and morale of personnel and adversely affects retention.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")		
(1) STATUS: (A) DATE DESIGN STARTED. 06-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 60 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 05-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 20 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (100) (B) ALL OTHER DESIGN COSTS (30) (C) TOTAL. 130 (D) CONTRACT (100) (E) IN-HOUSE (30) (4) CONSTRUCTION START. 11-93 (MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS			4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 308		
5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE 730.00	7. PROJECT NUMBER VARIOUS	8. PROJECT COST (\$000) 860		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PROJECTS \$1 MILLION AND UNDER - PBD 308 . . .		LS	-	-	860
TOTAL REQUEST.		-	-	-	860
10. DESCRIPTION OF PROPOSED CONSTRUCTION Specified construction projects (except family housing) having a funded cost of \$1,000,000 or less (see individual project descriptions.)					
11. REQUIREMENT: <u>VARIES</u> . Projects are specifically identified on subsequent sheets.					
12. SUPPLEMENTAL DATA: PROJECT DESIGNS CONFORM TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE". THE ESTIMATED DESIGN STATUS FOR EACH PROJECT IS SHOWN DIRECTLY BELOW THE PROJECT'S DESCRIPTION AND PROVIDES THE FOLLOWING INFORMATION: A. IS THE DATE DESIGN STARTED. B. IS THE DATE DESIGN WILL BE 35% COMPLETE. C. IS THE ESTIMATED DATE DESIGN WILL BE COMPLETE. D. IS THE PERCENTAGE OF DESIGN COMPLETE AS OF SEPTEMBER 1992. E. IS THE PERCENTAGE OF DESIGN COMPLETE AS OF JANUARY 1993.					
(CONTINUED ON DD 1391C)					

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 308		5. PROJECT NUMBER VARIOUS
CATEGORY CODE	PROJECT NUMBER	COST (\$000)
<u>COMMUNITY FACILITIES</u>		
740.74	P-705	860
CHILD DEVELOPMENT CENTER ALBANY GA MCLB A child development center is required to provide care for 110 school and pre-school children of Marine Corps personnel at this base. A child development center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child development centers are a necessary element in today's environment as their availability alleviates many problems incurred by military parents who are single, who both work, or who have other special needs. These centers make the quality of life more appealing to military personnel and their dependents. The existing center is located adjacent to the brig and 250 feet from (within the safety arc) of an ammunition storehouse. This center can only accommodate forty-seven children, with an additional twenty-four children located in a temporary leased facility. Without this project, child care services will continue to be provided in an inadequate and insufficient manner while exposing the children to unnecessary safety hazards. (Current mission.) <u>DESIGN INFORMATION:</u> A. 03-92. B. 06-92. C. 06-93. D. 45. E. 60.		
TOTAL - COMMUNITY FACILITIES PROJECTS \$1 MILLION AND UNDER - PBD 308		860

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 309

UTILITIES AND GROUND IMPROVEMENTS, REAL ESTATE AND ACCESS ROADS

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
<u>UTILITIES AND GROUND IMPROVEMENTS</u>					
811.25	391	NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	STEAM TURBINE GENERATOR	6,600	183
812.30	421	NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	8,300	185
812.30	403	NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND	ELECTRICAL DISTRIBUTION SYSTEM UPGRADE (INCREMENT II)	3,850	187
812.30	259	NAVAL STATION, PEARL HARBOR, HAWAII	ELECTRICAL DISTRIBUTION LINES RELOCATION	600	210
813.30	051	NAVY AVIATION SUPPLY OFFICE, PHILADELPHIA, PENNSYLVANIA	ELECTRICAL DISTRIBUTION SYSTEM UPGRADE	1,900	189
821.50	003	NAVAL STATION, EVERETT, WASHINGTON	STEAM PLANT	12,000	191
831.10	239P	NAVY PUBLIC WORKS CENTER, GUAM	SEWERAGE TREATMENT PLANT	12,000	193
932.20	513	NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	UTILITIES AND SITE IMPROVEMENTS	7,280	195
832.30	237P	NAVY PUBLIC WORKS CENTER, GUAM	WATERFRONT UTILITIES	12,000	197
842.10	853	MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	WATER DISTRIBUTION SYSTEM IMPROVEMENTS	1,390	199
842.10	786	NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	FIRE PROTECTION PIPELINE	580	210
842.10	293	NAVAL AIR STATION, MEMPHIS, TENNESSEE	POTABLE WATER SYSTEM IMPROVEMENTS	350	210
843.20	125	NAVAL STATION, MAYPORT, FLORIDA	FIRE PROTECTION PUMPING STATION	1,950	201
880.10	263	NAVAL AIR STATION, MEMPHIS, TENNESSEE	FIRE ALARM SYSTEM IMPROVEMENTS	1,100	203
SUBTOTAL - UTILITIES AND GROUND IMPROVEMENTS				69,900	
<u>REAL ESTATE</u>					
911.10	094	VARIOUS LOCATIONS	LAND ACQUISITION	1,350	205
SUBTOTAL - REAL ESTATE				1,350	
<u>ACCESS ROADS</u>					
040.00	VAR	ACCESS ROADS	ACCESS ROADS	1,000	207
SUBTOTAL - ACCESS ROADS				1,000	
TOTAL - UTILITIES AND GROUND IMPROVEMENTS, REAL ESTATE AND ACCESS ROADS				72,250	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO129 NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT			4. PROJECT TITLE STEAM TURBINE GENERATOR	
5. PROGRAM ELEMENT 0204896N	6. CATEGORY CODE 811.25	7. PROJECT NUMBER P-391	8. PROJECT COST (\$000) 6,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
STEAM TURBINE GENERATOR	LS	-	-	5,570
GENERATOR	LS	-	-	(5,420)
TECHNICAL OPERATING MANUALS	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	360
UTILITIES	LS	-	-	(360)
SUBTOTAL	-	-	-	5,930
CONTINGENCY (5.0%)	-	-	-	300
TOTAL CONTRACT COST	-	-	-	6,230
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	370
TOTAL REQUEST	-	-	-	6,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Steam driven turbine electric power generator including condenser, piping, valves, controls and metering; structural and electrical system modifications; utilities.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Provides a 7,000-kilowatt (KW) steam turbine generator with ancillary equipment and necessary plant modifications. (Current mission.) <u>REQUIREMENT:</u> Adequate uninterrupted electrical service ashore, adequate facilities for peak shaving, and adequate facilities for emergency conditions in support of base operations and facilities that directly support the fleet. <u>CURRENT SITUATION:</u> The electric power generating capability is insufficient to support the base wide demand when purchased commercial power is down. Existing Navy generation capacity can support the afloat units, but not shore facilities. As the base continues its development, the capability of the power plant to support all activities during commercial power outages becomes less effective. Load shedding drills have established that no more than ten percent reduction in the ashore facilities can be achieved without significant impact on operations. Existing electrical generating capability is also insufficient for providing economical peak shaving. Peak demands have resulted in high penalty costs. To avoid this penalty, the base utilizes its own generating capability to shave off the peaks, thereby keeping purchased power within an acceptable range and realizing savings of nearly \$1.0 million per year. <u>IMPACT IF NOT PROVIDED:</u> Submarines and ashore facilities will be without essential power during commercial power outages. Savings resulting from peak shaving will not be realized.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: NOO129 NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT				4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS		
5. PROGRAM ELEMENT O204896N		6. CATEGORY CODE 812.30		7. PROJECT NUMBER P-421		8. PROJECT COST (\$000) 8,300
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS. .				LS	-	7,460
SUBTOTAL				-	-	7,460
CONTINGENCY (5.0%).				-	-	370
TOTAL CONTRACT COST.				-	-	7,830
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .				-	-	470
TOTAL REQUEST.				-	-	8,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .				-	-	(NON-ADD)(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Install transformer, circuit breakers, lightning arrestors; upgrade utility feeders; relocate control cable and electrical distribution feeders; enclose deaerator tanks; replace switchgear; resistance grounding; capacitors; pier cabling, switchgear, outlets and primary capacitors.						
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Upgrades base electric power distribution system. (Current mission.) <u>REQUIREMENT:</u> Reliable, flexible electrical distribution system to support existing and projected electrical demands for base operations and Fleet support. <u>CURRENT SITUATION:</u> The existing base utility system is utilized for peak-shaving purchased commercial utility power and for emergency power generation in the event of a commercial power outage. Various system components require improvements or upgrades. The existing system does not have the flexibility, capacity, or protective devices to adequately and safely support projected demand. <u>IMPACT IF NOT PROVIDED:</u> Existing system components will be unable to fulfill their intended design to carry the total demand. The system will be unreliable and not flexible enough to support mission requirements, resulting in negative impacts to base operations and Fleet support. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This alternative is not an option since a continuation of the current situation will result in the inability to adequately and safely support the base's existing and projected electrical demand. b. Renovation/Modernization: Alteration of the existing system is a viable alternative. The cost to implement this option is well below 75% of the new construction cost.						

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO129 NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT		
4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-421
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) c. Lease: This activity's power plant and electrical distribution system are presently in-place and functional for peak shaving and emergency generation in the vent of utility outage. Any attempt to satisfy this demand using private sector capability would be operationally and economically infeasible. d. New Construction: This is not a viable alternative, since the cost of renovation/modernization is far less than 75% of new construction. e. Analysis Results: Net present value calculations were not performed, since renovation/modernization is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 01-91 (B) PERCENT COMPLETE AS OF JANUARY 1993. 100 (C) DATE DESIGN 35% COMPLETE 07-91 (D) DATE DESIGN COMPLETE 03-92 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 100 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (490) (B) ALL OTHER DESIGN COSTS (100) (C) TOTAL. 590 (D) CONTRACT (490) (E) IN-HOUSE (100) (4) CONSTRUCTION START. 10-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62661 NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND			4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM UPGRADE (INCREMENT II)	
5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 812.30	7. PROJECT NUMBER P-403	8. PROJECT COST (\$000) 3,850	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRICAL DISTRIBUTION SYSTEM UPGRADE	LS	-	-	3,460
SUBTOTAL	-	-	-	3,460
CONTINGENCY (5.0%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,630
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	220
TOTAL REQUEST	-	-	-	3,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	0
10. DESCRIPTION OF PROPOSED CONSTRUCTION Replace underground cables and distribution transformers; replace overhead distribution facilities with underground facilities; and relocate and replace existing ductbanks.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Upgrades the electrical distribution system. (Current mission.) <u>REQUIREMENT:</u> Adequate base electrical distribution system to complete the replacement of deteriorated electrical facilities and to convert the existing 2,400-volt distribution feeders to 13,800 volts to improve reliability and operating efficiency. This increment completes the electrical system upgrading and improvements. <u>CURRENT SITUATION:</u> A majority of the station's high-voltage electrical system is fifty years old and has exceeded its normal life expectancy. The station is experiencing an increase in electrical failures and unanticipated maintenance. This condition will not improve until the system's upgrading and modernization is complete. This station is host to a number of tenant activities, and ships of the Atlantic Fleet and Naval Reserve Force are homeported here. Brown-outs and black-outs are extremely disruptive to the functioning of all of these activities and ships. <u>IMPACT IF NOT PROVIDED:</u> Excessive maintenance will continue to be required. Disruptions to activity and tenant organizations will continue. Catastrophic failure would severely and adversely affect many of the base schools and commands for an extended period of time. <u>ADDITIONAL:</u> Economics Alternatives Considered: a. Status Quo: The existing electrical systems are World War II vintage and have exceeded their life expectancy. Without this project.				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N62661 NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND		
4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM UPGRADE (INCREMENT II)		5. PROJECT NUMBER P-403
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) the electrical upgrades started under MILCON projects P-342 and P-365 will not be completed, leaving large portions of the system connected to the overaged and deteriorated 2,400-volt distribution facilities. The ability to add loads to the electrical system or adjust to changes in the Navy's shore establishment requirements would be severely constrained. b. Renovation/Modernization: The amount and type of work required is beyond renovation and modernization and is not a viable alternative. c. Lease: With the completion of the first two increments of this project, a majority of the distribution system will have been upgraded within government ownership, and leasing is not a viable option. d. New Construction: New construction is the only alternative that satisfy the requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 06-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 40 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 08-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 20 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (250) (B) ALL OTHER DESIGN COSTS (50) (C) TOTAL 300 (D) CONTRACT (250) (E) IN-HOUSE (50) (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO383 NAVY AVIATION SUPPLY OFFICE, PHILADELPHIA, PENNSYLVANIA			4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM UPGRADE	
5. PROGRAM ELEMENT 0702896N	6. CATEGORY CODE 813.30	7. PROJECT NUMBER P-051	8. PROJECT COST (\$000) 1,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRICAL DISTRIBUTION SYSTEM UPGRADE	LS	-	-	1,700
SUBSTATION ALTERATIONS	LS	-	-	(1,280)
HIGH VOLTAGE FEEDERS	LS	-	-	(420)
SUBTOTAL	-	-	-	1,700
CONTINGENCY (5.0%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,790
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION High voltage feeders, duct bank, manholes, high voltage breakers; alterations to existing high voltage substation to include installation of high voltage vacuum breakers and components.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Upgrades the electrical distribution system. (Current mission.) <u>REQUIREMENT:</u> Adequate, reliable, and redundant electrical distribution power service to meet the increased electrical requirements of the computer centers and other critical loads. Upgrades the electrical system in the main high voltage substation to increase the system capacity and support dual high voltage feeder service to critical computer loads. <u>CURRENT SITUATION:</u> The existing high voltage substation is overloaded and equipped with obsolete, overaged circuit breakers. Sufficient space is not available to accommodate additional electrical service required to serve the increased load growth. A recent failure of an obsolete feeder circuit breaker required over one year to repair by remanufacturing and locating used replacement parts. The existing distribution feeders are inadequate to carry the increased electrical loads reliably. <u>IMPACT IF NOT PROVIDED:</u> The existing obsolete high voltage equipment will continue to be unable to provide the required reliability and redundant power quality required for the computer center and other loads. The existing equipment cannot provide adequate service for the expanded electrical load growth. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: This is not a viable option under either present or projected mission requirements. The computer rooms have increased in mission over the years to a point where the electrical service to the buildings no longer has the reliability and redundancy required. Also,				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0255EV NAVAL STATION, EVERETT, WASHINGTON			4. PROJECT TITLE STEAM PLANT	
5. PROGRAM ELEMENT 02O4796N	6. CATEGORY CODE 821.50	7. PROJECT NUMBER P-003	8. PROJECT COST (\$000) 12,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
STEAM PLANT	LS	-	-	9,330
UTILITY PLANT BUILDING	LS	-	-	(3,520)
STEAM SYSTEM	LS	-	-	(3,500)
COMPRESSED AIR SYSTEM	LS	-	-	(2,010)
TECHNICAL OPERATING MANUALS	LS	-	-	(300)
SUPPORTING FACILITIES	-	-	-	1,450
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(900)
ELECTRICAL UTILITIES	LS	-	-	(100)
MECHANICAL UTILITIES	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT	LS	-	-	(80)
SUBTOTAL	-	-	-	10,780
CONTINGENCY (5.0%)	-	-	-	540
TOTAL CONTRACT COST	-	-	-	11,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	680
TOTAL REQUEST	-	-	-	12,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Pile-supported steel framed utilities plant with water tube steam boilers, water purification system, deaerators with feed pumps, economizers, pulsation tanks, cooling tower, air dryers, paving, parking, and electrical and mechanical distribution lines.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Project provides a steam and compressed air plant for ships to be berthed at the Naval Station. (Current mission) <u>REQUIREMENT:</u> Adequate facilities to support the homeporting of a carrier battlegroup consisting of a Nimitz-class aircraft carrier and associated combatant ships. The utilities provided by this project will allow homeported ships to go cold iron while berthed. This is a necessary requirement when providing hotel services for the homeported ships. <u>CURRENT SITUATION:</u> There are no facilities at this new homeport to provide shore utilities to berthed ships. <u>IMPACT IF NOT PROVIDED:</u> The homeported ships will not be able to shut down their boilers and air compressor systems when in port, this is a critical ship requirement. Additionally, operation of ships' boilers, while in port, would require the use of more fuel and manpower. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: No facilities are currently available to satisfy this important operational requirement. b. Renovation/Modernization: No existing facilities are suitable for the intended functions. c. Lease: The only potential industrial steam supplier was solicited for a service contract. He was not able to guarantee demand for long periods of time and declined to participate. A Public/Private Venture				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62395 NAVY PUBLIC WORKS CENTER, GUAM			4. PROJECT TITLE SEWERAGE TREATMENT PLANT	
5. PROGRAM ELEMENT 0702056N	6. CATEGORY CODE 831.10	7. PROJECT NUMBER P-239P	8. PROJECT COST (\$000) 12,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SEWERAGE TREATMENT PLANT	LS	-	-	10,500
SUPPORTING FACILITIES	-	-	-	230
UTILITIES, PAVING, AND SITE IMPROVEMENT	LS	-	-	(230)
SUBTOTAL	-	-	-	10,730
CONTINGENCY (5.0%)	-	-	-	540
TOTAL CONTRACT COST	-	-	-	11,270
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	730
TOTAL REQUEST	-	-	-	12,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Secondary clarifier, primary clarifier, biotower, waste sludge thickener, solids contactor, and drying beds; modify existing headworks, influent and effluent pump stations and contact tank; expand existing aeration and grit chamber facilities and secondary facilities building; and upgrade existing chlorination and dechlorination equipment.				
11. REQUIREMENT: AS REQUIRED <u>PROJECT:</u> Expands the existing sewerage treatment plant to accommodate and ensure proper treatment and disposal of the wastewater generated by the growth in the naval complex. (New mission.) <u>REQUIREMENT:</u> Adequate facilities to treat increased influent of wastewater from ships because of the relocation of military from the Philippines to Guam. Guam will be the recipient of relocated functions, ships and personnel from the withdrawal from the Philippines. The Apra Harbor Naval Complex, in particular, will be the site of a major build-up of shore support facilities, and an increase in homeported ships and tempo of Fleet operations that could significantly overload the existing sewage collection, treatment, and disposal system. <u>CURRENT SITUATION:</u> The Apra Harbor plant is already being operated at capacity to meet current wastewater flow. Additional ships being relocated from the Philippines will increase the demand beyond current capabilities. <u>IMPACT IF NOT PROVIDED:</u> Attempting to increase the plant's throughput without this expansion project will seriously degrade the system's reliability resulting in breakdowns. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: For the existing Apra Harbor Sewage Treatment Plant to meet current wastewater loading requires it to be operated at full				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N62395 NAVY PUBLIC WORKS CENTER, GUAM		
4. PROJECT TITLE SEWERAGE TREATMENT PLANT		5. PROJECT NUMBER P-239P
11. REQUIREMENT: (CONTINUED) <u>ADDITIONAL:</u> (CONTINUED) capacity. Three hundred units of family housing are being constructed. Failure of sewage treatment plant equipment will result in degradation of wastewater treatment and discharge services for ships, causing delays in deployment and negatively impacting on fleet readiness. b. Renovation/Modernization: There are no facilities which can be modified or converted to provide wastewater treatment and discharge services for Navy ships that berth in Apra Harbor. c. Lease: There are no firms in the area with proper equipment and facilities which can satisfy requirements of this project. d. New Construction: New construction to expand the capacities of existing Apra Harbor Sewage Treatment Plant is the only alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 08-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 08-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 10 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (600) (B) ALL OTHER DESIGN COSTS (480) (C) TOTAL 1,080 (D) CONTRACT (650) (E) IN-HOUSE (430) (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY		FY 19⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION /UIC:N42237 NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA				4. PROJECT TITLE UTILITIES AND SITE IMPROVEMENTS		
5. PROGRAM ELEMENT 0101228N		6. CATEGORY CODE 932.20		7. PROJECT NUMBER P-513		8. PROJECT COST (\$000) 7,280
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
UTILITIES AND SITE IMPROVEMENTS.				LS	-	-
SUBTOTAL				-	-	6,540
CONTINGENCY (5.0%).				-	-	330
TOTAL CONTRACT COST.				-	-	6,870
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .				-	-	410
TOTAL REQUEST.				-	-	7,280
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .				-	-	(NON-ADD) (0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Improvements to the sanitary sewer system, potable water system, roads, pedestrian/bicycle paths, wetlands mitigation, drainage facilities, abandoned railroad trackage demolition, salvage and site restoration.						
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Provides utilities and site improvements. (Current mission.) <u>REQUIREMENT:</u> Improvements to the sewage treatment plant to accommodate steady state base personnel loadings projected to increase from 27,000 to 29,000 in the year 2000, to satisfy current Georgia Department of Natural Resources (DNR) effluent discharge concentration regulations, to comply with requirements of the "Final Supplement to the Environmental Impact Statement for Preferred Alternative Location for a Fleet Ballistic Missile Submarine Support Base, Kings Bay, Georgia" (EIS) and to meet the intents of the Base Master Plan, Base Bicycle Path Plan, Base Energy Conservation Plan and Executive Order 11990 (Wetlands Protection). <u>CURRENT SITUATION:</u> Existing Georgia DNR permitting requirements have reduced the sewage treatment plant capacity to well below its intended design to serve steady state population. During periods of prolonged rainfall, the golf course and adjacent woodland effluent disposal areas are incapable						

(CONTINUED ON DD 1391C)

COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		
INSTALLATION AND LOCATION		
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
PROJECT TITLE	5. PROJECT NUMBER	
UTILITIES AND SITE IMPROVEMENTS	P-513	

I. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

of properly treating discharge. Required automatic alarm monitoring, remote data acquisition and control functions of the sanitary sewer system are not provided by the Supervisory Control and Data Acquisition (SCADA) System. Existing system components installed within the water and wastewater treatment plants are incompatible with the existing SCADA system. Several locations on the base are served by septic systems which pose a contamination threat to ground water and adjacent surface water. The future master planned family housing and the golf course, clubhouse, and maintenance areas are not served by the potable water, requiring small inefficient and costly water treatment facilities to provide potable water in these areas. The access road to the weapons qualifications and skeet ranges is too narrow to permit safe vehicular flow. Final freshwater wetlands mitigation has not been completed as required in the approved EIS. The base's three erosion control drainage basins are experiencing severe siltation and erosion. The pedestrian and bicycle path system is only partially complete. Serious traffic safety and congestion exists at the intersection of Henry Clay and USS Daniel Webster Avenues.

IMPACT IF NOT PROVIDED:

Operational readiness of the Base will be impaired. Requirements of DNR, EIS, Base Master Plan and Executive Orders 11990 (Wetlands Protection) and 11998 (Flood Plain Management) will not be met.

ADDITIONAL:

Economic Alternatives Considered:

- Status Quo: Since the existing plant has environmental, health, and utility deficiencies, the status quo is an unacceptable alternative.
- Renovation/Modernization: There are no available facilities which can be modified to provide satisfactory support for a new mission.
- Lease: This is not an alternative.
- New Construction: This is the only alternative that will satisfy the requirement.
- Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative.

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 19<u>94</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		
4. PROJECT TITLE UTILITIES AND SITE IMPROVEMENTS	5. PROJECT NUMBER P-513	
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. <u>04-92</u> (B) PERCENT COMPLETE AS OF JANUARY1993 <u>60</u> (C) DATE DESIGN 35% COMPLETE <u>06-92</u> (D) DATE DESIGN COMPLETE <u>06-93</u> (E) PERCENT COMPLETE AS OF SEPTEMBER992 <u>35</u> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___NO <u>X</u>___ (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (<u>435</u>) (B) ALL OTHER DESIGN COSTS (<u>340</u>) (C) TOTAL. <u>775</u> (D) CONTRACT (<u>725</u>) (E) IN-HOUSE (<u>50</u>) (4) CONSTRUCTION START. <u>12-93</u> (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N62395 NAVY PUBLIC WORKS CENTER, GUAM			4. PROJECT TITLE WATERFRONT UTILITIES	
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 832.30	7. PROJECT NUMBER P-237P	8. PROJECT COST (\$000) 12,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
WATERFRONT UTILITIES	LS	-	-	9,930
SEWAGE PUMP STATIONS	LS	-	-	(4,240)
ELECTRICAL POWER SUBSTATIONS	LS	-	-	(2,990)
STEAM PLANT	LS	-	-	(860)
SANITARY SEWER LINE	LS	-	-	(750)
COMPRESSED AIR PLANT	LS	-	-	(700)
ELECTRICAL DISTRIBUTION LINES & POWER MOUNDS	LS	-	-	(390)
SUPPORTING FACILITIES	-	-	-	800
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(800)
SUBTOTAL	-	-	-	10,730
CONTINGENCY (5.0%)	-	-	-	540
TOTAL CONTRACT COST	-	-	-	11,270
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	730
TOTAL REQUEST	-	-	-	12,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Upgrade existing sewage pumping and collection systems; install power substations, primary and secondary cables, power mounds, air compressor units and distribution piping, and construction boiler plant; extend compressed air line.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Upgrades waterfront sewage collection, electrical power and compressed air systems and provides new substation. (New mission.) <u>REQUIREMENT:</u> Adequate utilities to support hotel services for berthed ships. The military relocation from the Philippines to Guam will increase the number of homeported ships and the tempo of fleet operations on Guam. This project will ensure the mission-capability of the Fleet ships by allowing them to shut down their boilers and on-board generating equipment for necessary overhaul and repair. <u>CURRENT SITUATION:</u> Existing waterfront utility systems are old and only marginally meet current demand. Additional utility demand caused by relocating fleet units will exceed current capabilities causing the ships to continuously operate their boilers and on-board generating equipment. This situation not only is bad personnel policy, requiring more hours of watchstanding, but also precludes necessary overhaul and repairs to on-board equipment. <u>IMPACT IF NOT PROVIDED:</u> The inability to support ships hotel utility requirements will seriously affect fleet readiness as well as adversely impact the affected sailors' morale. <u>ADDITIONAL:</u> Economic Alternatives Considered: a. Status Quo: Marginal capabilities of existing systems to meet current demands for electrical services, steam and compressed air means no extra capacity to accommodate additional requirements during				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N62395 NAVY PUBLIC WORKS CENTER, GUAM		
4. PROJECT TITLE WATERFRONT UTILITIES		5. PROJECT NUMBER P-237P
11. REQUIREMENT: (CONTINUED) ADDITIONAL: (CONTINUED) emergencies. Equipment failure in one of these facilities will reduce capability to provide sufficient support services to ships. Insufficient electric power, steam and compressed air support to ships will hamper their operational activities and delay their deployment, with negative impact on the Fleet's performance. b. Renovation/Modernization: There are no facilities which can be modified or converted to provide the requirements that this project is expected to fulfill. c. Lease: There are no firms in the area with proper equipment and facilities which can satisfy requirements of this project. d. New Construction: New construction to expand the capacities of existing systems is the only alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. 08-92 (B) PERCENT COMPLETE AS OF JANUARY 1993. 35 (C) DATE DESIGN 35% COMPLETE 11-92 (D) DATE DESIGN COMPLETE 08-93 (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. 10 (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: <u>N/A</u> (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (600) (B) ALL OTHER DESIGN COSTS (480) (C) TOTAL 1,080 (D) CONTRACT (750) (E) IN-HOUSE (330) (4) CONSTRUCTION START. 01-94 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: MO0681 MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA			4. PROJECT TITLE WATER DISTRIBUTION SYSTEM IMPROVEMENTS	
5. PROGRAM ELEMENT O206496M	6. CATEGORY CODE 842.10	7. PROJECT NUMBER P-853	8. PROJECT COST (\$000) 1,390	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
WATER DISTRIBUTION SYSTEM IMPROVEMENTS	LS	-	-	830
SUPPORTING FACILITIES.	-	-	-	420
SITE IMPROVEMENT	LS	-	-	(420)
SUBTOTAL	-	-	-	1,250
CONTINGENCY (5.0%).	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,310
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	80
TOTAL REQUEST.	-	-	-	1,390
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Eighteen-inch underground water line with pressure reducing valve stations, flow meter fittings, excavation and backfill.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Improves the water distribution system to provide adequate water supply and pressure to the Del Mar area of Camp Pendleton for fire protection, operations, health, and safety requirements. (Current mission.) <u>REQUIREMENT:</u> Adequate water supply and pressure control measures to meet current needs. The housing and other areas of Del Mar do not have adequate water pressure during peak hours (0530 to 2200). Facilities are dependent on sufficient water supply and pressure required for operations, fire protection, health, and safety. <u>CURRENT SITUATION:</u> The existing water line that serves Del Mar also serves the South Mesa and Wire Mountain housing areas of Camp Pendleton. Currently, there are 1,990 housing units in Wire Mountain, 330 of which were recently completed. This has put an additional strain on the water line, causing reduced pressure to Del Mar, impacting fire protection and sanitary requirements. <u>IMPACT IF NOT PROVIDED:</u> Del Mar will continue to be a high risk area with reduced fire protection and potential unsanitary conditions. <u>ADDITIONAL:</u> In addition to the proposed construction, a connection to the Del Mar area from Oceanside was considered. However, an economic analysis was performed, and the connection to the existing Booster Station was found to be more cost-effective.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N60201 NAVAL STATION, MAYPORT, FLORIDA			4. PROJECT TITLE FIRE PROTECTION PUMPING STATION	
5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 843.20	7. PROJECT NUMBER P-125	8. PROJECT COST (\$000) 1,950	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE PROTECTION PUMPING STATION.	LS	-	-	1,570
PUMP HOUSE	LS	-	-	(460)
BUILT-IN EQUIPMENT	LS	-	-	(600)
SALTWATER DISTRIBUTION LINES	LS	-	-	(510)
SUPPORTING FACILITIES.	-	-	-	180
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(180)
SUBTOTAL	-	-	-	1,750
CONTINGENCY (5.0%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST.	-	-	-	1,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story concrete and masonry building, masonry walls, concrete foundation and floor, steel sheet piling around sump pit, built-up roof; one 3,500-, two 2,000-, one 1,000-, and one 250-gallon-per-minute pumps; 20-inch saltwater intake and distribution lines; utilities.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Provides a saltwater pumping station and distribution system at Wharves A and D for fire protection and for cooling and flushing for berthed ships. (Current mission.) <u>REQUIREMENT:</u> Adequate saltwater or non-potable water fire protection facilities for Wharves A and D to protect personnel and ships tied there and to eliminate the excessive expense of providing cooling and flushing water with shipboard saltwater pumps. <u>CURRENT SITUATION:</u> A destroyer, a minesweeper, and four frigates are tied-up to Wharves A and D, which has no saltwater or non-potable water fire protection facilities. Saltwater is currently provided by two pumping stations to all berthing wharves except A and D. Saltwater requirements for Wharves A and D are being provided with shipboard saltwater systems at considerably greater cost. <u>IMPACT IF NOT PROVIDED:</u> Essential fire protection for berthed ships will not be provided. Excessive cost from deterioration of ships saltwater systems will continue. (CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N60201 NAVAL STATION, MAYPORT, FLORIDA		
4. PROJECT TITLE FIRE PROTECTION PUMPING STATION		5. PROJECT NUMBER P-125
12. SUPPLEMENTAL DATA:		
A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")		
(1) STATUS:		
(A) DATE DESIGN STARTED		06-90
(B) PERCENT COMPLETE AS OF JANUARY 1993.		65
(C) DATE DESIGN 35% COMPLETE		11-90
(D) DATE DESIGN COMPLETE		06-93
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.		45
(2) BASIS:		
(A) STANDARD OR DEFINITIVE DESIGN:		YES ___ NO <u>X</u>
(B) WHERE DESIGN WAS MOST RECENTLY USED:		<u>N/A</u>
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):		
(A) PRODUCTION OF PLANS AND SPECIFICATIONS		(\$000) (<u>88</u>)
(B) ALL OTHER DESIGN COSTS		(<u>85</u>)
(C) TOTAL		173
(D) CONTRACT		(<u>118</u>)
(E) IN-HOUSE		(<u>55</u>)
(4) CONSTRUCTION START		12-93
(MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:		
NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NO0639 NAVAL AIR STATION, MEMPHIS, TENNESSEE			4. PROJECT TITLE FIRE ALARM SYSTEM IMPROVEMENTS	
5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 880.10	7. PROJECT NUMBER P-263	8. PROJECT COST (\$000) 1,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE ALARM SYSTEM IMPROVEMENTS	LS	-	-	990
SUBTOTAL	-	-	-	990
CONTINGENCY (5.0%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	60
TOTAL REQUEST	-	-	-	1,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Radio-type fire reporting system, modern receiving equipment with battery backup power supply, emergency generator; removal of existing cable and equipment.				
11. REQUIREMENT: <u>AS REQUIRED</u> PROJECT: Provides fire alarm system improvements. (Current mission.) REQUIREMENT: Improvements to the existing fire alarm and fire protection systems consisting of replacing the existing municipal fire reporting system with a new radio-type fire reporting system which will meet the National Fire Protection Association (NFPA) requirements. This system is required to provide the necessary improvements to the fire detection and reporting system by increasing the system reliability with new modern radio actuated equipment and by allowing trouble conditions that will exist in any system to be quickly localized and isolated such that related interference to the system will be minimized. CURRENT SITUATION: The present fire alarm system is deteriorated, unreliable and in need of improvement. Aerial and underground cables have frayed and cracked insulation and the lightning protection system has outdated components that frequently fail causing false or no alarms at all to be transmitted to the fire station. The system has been modified over the years by untrained unauthorized personnel and in many cases does not meet National Fire Protection Association (NFPA) minimum requirements. False alarms (192 per year) are answered by the Fire Department with 90% directly attributable to system component and cable failure. IMPACT IF NOT PROVIDED: The activity fire alarm system will continue to deteriorate, provide false or no alarms during fire emergencies and continue to in violation of NFPA codes. Potentially heavy losses and liabilities may be incurred by the Navy through property and personnel loss should this outdated				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE																				
3. INSTALLATION AND LOCATION/UIC: NO0639 NAVAL AIR STATION, MEMPHIS, TENNESSEE																						
4. PROJECT TITLE FIRE ALARM SYSTEM IMPROVEMENTS		5. PROJECT NUMBER P-263																				
11. REQUIREMENT: (CONTINUED) IMPACT IF NOT PROVIDED: (CONTINUED) deteriorated system malfunction when most needed.																						
12. SUPPLEMENTAL DATA:																						
A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(A) DATE DESIGN STARTED.</td> <td style="text-align: right; border-bottom: 1px solid black;">04-92</td> </tr> <tr> <td>(B) PERCENT COMPLETE AS OF JANUARY 1993.</td> <td style="text-align: right; border-bottom: 1px solid black;">75</td> </tr> <tr> <td>(C) DATE DESIGN 35% COMPLETE</td> <td style="text-align: right; border-bottom: 1px solid black;">05-92</td> </tr> <tr> <td>(D) DATE DESIGN COMPLETE</td> <td style="text-align: right; border-bottom: 1px solid black;">06-93</td> </tr> <tr> <td>(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.</td> <td style="text-align: right; border-bottom: 1px solid black;">55</td> </tr> </table> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(A) PRODUCTION OF PLANS AND SPECIFICATIONS</td> <td style="text-align: right; border-bottom: 1px solid black;">66</td> </tr> <tr> <td>(B) ALL OTHER DESIGN COSTS</td> <td style="text-align: right; border-bottom: 1px solid black;">101</td> </tr> <tr> <td>(C) TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">167</td> </tr> <tr> <td>(D) CONTRACT</td> <td style="text-align: right; border-bottom: 1px solid black;">132</td> </tr> <tr> <td>(E) IN-HOUSE</td> <td style="text-align: right; border-bottom: 1px solid black;">35</td> </tr> </table> (4) CONSTRUCTION START. 11-93 (MONTH AND YEAR) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE			(A) DATE DESIGN STARTED.	04-92	(B) PERCENT COMPLETE AS OF JANUARY 1993.	75	(C) DATE DESIGN 35% COMPLETE	05-92	(D) DATE DESIGN COMPLETE	06-93	(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	55	(A) PRODUCTION OF PLANS AND SPECIFICATIONS	66	(B) ALL OTHER DESIGN COSTS	101	(C) TOTAL	167	(D) CONTRACT	132	(E) IN-HOUSE	35
(A) DATE DESIGN STARTED.	04-92																					
(B) PERCENT COMPLETE AS OF JANUARY 1993.	75																					
(C) DATE DESIGN 35% COMPLETE	05-92																					
(D) DATE DESIGN COMPLETE	06-93																					
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992.	55																					
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	66																					
(B) ALL OTHER DESIGN COSTS	101																					
(C) TOTAL	167																					
(D) CONTRACT	132																					
(E) IN-HOUSE	35																					

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: N46827 VARIOUS LOCATIONS				4. PROJECT TITLE LAND ACQUISITION		
5. PROGRAM ELEMENT 0901211N		6. CATEGORY CODE 911.10		7. PROJECT NUMBER P-094		8. PROJECT COST (\$000) 1,350
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
LAND ACQUISITION				LS	-	1,210
SUBTOTAL				-	-	1,210
CONTINGENCY (5.0%)				-	-	60
TOTAL CONTRACT COST				-	-	1,270
SUPERVISION, INSPECTION & OVERHEAD (6.0%)				-	-	80
TOTAL REQUEST				-	-	1,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-	-	(NON-ADD)(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Acquisition of interests in land at these locations: Naval Station, Roosevelt Roads, Puerto Rico Norfolk Naval Shipyard, Portsmouth, Virginia						
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Acquires interests in land at two locations to support activity missions. Adequate control of real estate by restrictive-use easements, land exchange, or fee title is necessary to provide sites for facilities, meet or protect operational capabilities, prevent future encroachment, and control development adjacent to present boundaries of military activities. Lack of control by the Navy of real estate proposed for acquisition by this project will inhibit necessary military operations. Justifications for each of the parcels to be acquired follow: <u>REQUIREMENT:</u> Naval Station, Roosevelt Roads, Puerto Rico - The acquisition of land adjacent to Navy property at the Atlantic Fleet Weapons Training Facility (AFWTF) Radar Site, Crown Mt., Virgin Islands, will provide an adequate site, free of obstructions and radio frequency (RF) interference for the satisfactory operations of radars and other electronic systems. AFWTF operates, maintains, and develops weapons range facilities and services in direct support of the training of fleet forces and other activities and for the development, test and evaluation of weapons systems. The Range operations Center at Crown Mt., St. Thomas, is used in support of fleet training and test and evaluation operations conducted in the outer and inner ranges. This operational site is the most strategically located AFWTF remote control site. Acquisition of this land will also accommodate the forthcoming equipment and instrumentation expansion comprising Large Area Tracking Range (LATR) ground stations, additional radars, telemetry antennas and Range Electronic Warfare Simulators (REWS). The continuous escalating cost of land in the Caribbean, plus						

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: N46827 VARIOUS LOCATIONS		
4. PROJECT TITLE LAND ACQUISITION		5. PROJECT NUMBER P-094
11. REQUIREMENT: (CONTINUED) <u>REQUIREMENT: (CONTINUED)</u> imminent land development in this choice area require early approval of this project. Residential or commercial ownership of this property will invalidate the usefulness of the present site for both future planned and some current functions. The increased complexity of fleet exercises and increased number of participating ships and aircraft demand the installation of additional instrumentation. Because of its geographic location, the control site at Crown Mt. is the only site that could be utilized for the installation of additional instrumentation and a microwave link to St. George Hill Radar Site at St. Croix to support the planned increase of operations. The existing topographical configuration and real estate limitations preclude the accommodation of additional instrumentation systems. This limitation can only be overcome by acquiring the property adjacent to the southern boundary of the existing site. <u>CURRENT SITUATION:</u> Norfolk Naval Shipyard, Portsmouth, Virginia - Land acquisition is required to provide access for a second gate for emergencies as well as increased traffic flow due to expansion at the Scott Center Annex. A second entrance gate is required because the Norfolk and Portsmouth Beltline Railroad blocks the only existing gate at unspecified times throughout the day, creating a potentially hazardous condition should emergency or rescue vehicles be required to gain entrance. If this project is not provided, random blockage of the only entrance gate by passing trains will continue, potentially delaying emergency or rescue access to the shipyard.		
12. SUPPLEMENTAL DATA: A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.") (1) STATUS: (A) DATE DESIGN STARTED. _____ (B) PERCENT COMPLETE AS OF JANUARY 1993. <u>0</u> (C) DATE DESIGN 35% COMPLETE _____ (D) DATE DESIGN COMPLETE _____ (E) PERCENT COMPLETE AS OF SEPTEMBER 1992. <u>0</u> (2) BASIS: (A) STANDARD OR DEFINITIVE DESIGN: YES _____ NO <u>X</u> (B) WHERE DESIGN WAS MOST RECENTLY USED: _____ (3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000) (A) PRODUCTION OF PLANS AND SPECIFICATIONS (<u>0</u>) (B) ALL OTHER DESIGN COSTS (<u>0</u>) (C) TOTAL <u>0</u> (D) CONTRACT (<u>0</u>) (E) IN-HOUSE (<u>0</u>) (4) CONSTRUCTION START. _____ (MONTH AND YEAR)		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS			4. PROJECT TITLE ACCESS ROADS		
5. PROGRAM ELEMENT 0901211N	6. CATEGORY CODE 040.00	7. PROJECT NUMBER P-194	8. PROJECT COST (\$000) 1,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ACCESS ROADS		LS	-	-	1,000
TOTAL REQUEST		-	-	-	1,000
10. DESCRIPTION OF PROPOSED CONSTRUCTION Finance: (1) new off-station entrances to Naval or Marine Corps activities or new connections between Naval or Marine Corps activities; (2) urgently needed improvements of existing highways serving Naval or Marine Corps activities; (3) the Federal Government's share of cost of relocating highways severed by expansion or construction of new Naval or Marine Corps facilities; (4) alterations to roads near Naval or Marine Corps activities to accommodate special military vehicles; and (5) contractor damage to roads serving missile bases. Funds provided will be transferred to the Federal Highway Administration of the Department of Transportation which is responsible under Title 23, USC 210 for assuring proper design and construction of approved work.					
11. REQUIREMENT: <u>VARIES.</u> These funds are required to provide access roads. Access road items are required for construction, improvement, replacement or relocation of public highways necessitated by construction of new or expansion of existing Naval or Marine Corps activities which result in a sudden and significant impact on the adjacent highway system. Such items are also vital for relocation of highways to satisfy airway-highway or explosive-clearance criteria. Highways located within the boundaries of a military reservation are not eligible for financing from these funds. Projects in the regular Federal Aid Primary Systems are not normally considered eligible for financing with these funds (exceptions may occur for cases such as special vehicles, weapons safety, or other extraordinary impact generated by Navy requirements).					

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS			4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 309		
5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIOUS	7. PROJECT NUMBER VARIOUS	8. PROJECT COST (\$000) 2,530		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PROJECTS \$1 MILLION AND UNDER - PBD 309		LS	-	-	2,530
TOTAL REQUEST.		-	-	-	2,530
10. DESCRIPTION OF PROPOSED CONSTRUCTION Specified construction projects (except family housing) having a funded cost of \$1,000,000 or less (see individual project descriptions.)					
11. REQUIREMENT: -VARIES. Projects are specifically identified on subsequent sheets.					
12. SUPPLEMENTAL DATA: PROJECT DESIGNS CONFORM TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE". THE ESTIMATED DESIGN STATUS FOR EACH PROJECT IS SHOWN DIRECTLY BELOW THE PROJECT'S DESCRIPTION AND PROVIDES THE FOLLOWING INFORMATION: A. IS THE DATE DESIGN STARTED. B. IS THE DATE DESIGN WILL BE 35% COMPLETE. C. IS THE ESTIMATED DATE DESIGN WILL BE COMPLETE. D. IS THE PERCENTAGE OF DESIGN COMPLETE AS OF SEPTEMBER 1992. E. IS THE PERCENTAGE OF DESIGN COMPLETE AS OF JANUARY 1993.					
INDIVIDUAL PROJECT DESCRIPTIONS FOLLOW:					

(CONTINUED ON DD 1381C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS. VARIOUS LOCATIONS					
4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER - PBD 309				5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION			COST (\$000)
<u>UTILITIES AND GROUND IMPROVEMENTS</u>					
812.30	P-259	ELECTRICAL DISTRIBUTION LINES RELOCATION PEARL HARBOR HI NS			600
Overhead electrical lines traverse the parking area at the Richardson Center Marina. These lines do not provide adequate clearances for safe movement of tall masted boats being trailered to the marina. The location of these lines is in violation of Occupational Safety and Health Act (OSHA) regulations and creates a situation where death or serious harm could result. Although the area is secure and warning signs are posted, human error in judgment could result in a serious accident. This project will relocate overhead power lines underground to permit safe use of the parking areas. (Current mission.) <u>DESIGN INFORMATION:</u> A. 04-90. B. 08-90. C. 07-91. D. 100. E. 100.					
842.10	P-786	FIRE PROTECTION PIPELINE CHARLESTON SC NWS			580
This station requires additional water lines for fire protection on a pier which handles ammunition and explosives. Navy safety criteria requires that there be water flow of certain quantity and pressure available for fighting fires that may occur at a pier. The existing water distribution system is undersized and cannot provide the required flow for protection of life, weapons and ships alongside the pier. This project will provide increased water flow for the pier area and reduce the high potential for loss of life and costly weapons and equipment. (New mission.) <u>DESIGN INFORMATION:</u> A. 03-92. B. 05-92. C. 09-93. D. 55. E. 65.					
842.10	P-293	POTABLE WATER SYSTEM IMPROVEMENTS MEMPHIS TN NAS			350
The State of Tennessee has expressed urgent concern that some very serious cross connections between this station's potable water system and potentially polluted sources have not been corrected. Portions of the water distribution system and building plumbing systems were installed in the 1940's, prior to the adoption of stringent plumbing regulations. This project will provide backflow prevention devices in the potable water system to enable this station to comply with applicable Federal and State of Tennessee drinking water regulations. Without this project, the cross connections will not be eliminated, the risk of drinking contaminated water will continue, with the associated threat to the health and safety of those dependent on the water system. This station will continue to be in violation of Federal and state regulations. (Current mission.) <u>DESIGN INFORMATION:</u> A. 04-92. B. 05-92. C. 07-93. D. 55. E. 70.					
TOTAL - UTILITIES AND GROUND IMPROVEMENTS PROJECTS \$1 MILLION AND UNDER - PBD 309					2,530

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 310

POLLUTION ABATEMENT FACILITIES

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
124.30	381	MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	JET FUEL DELIVERY SYSTEM IMPROVEMENT	2,550	216
179.45	253	NAVAL AIR STATION, BARBERS POINT, HAWAII	FIRE FIGHTING TRAINING FACILITY	1,350	216
179.45	129	NAVAL AIR STATION, LEMOORE, CALIFORNIA	FIRE FIGHTING TRAINING FACILITY	1,950	217
831.10	610	VARIOUS LOCATIONS	WASTEWATER COLLECTION AND TREATMENT SYSTEM	3,300	217
831.10	820	MARINE CORPS LOGISTICS BASE, BARSTOW, CALIFORNIA	INDUSTRIAL WASTEWATER TREATMENT PLANT	8,800	218
831.10	947	MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	WASTEWATER TREATMENT PLANT UPGRADE (PHASE I)	28,940	218
831.10	831	NAVAL AIR STATION, CECIL FIELD, FLORIDA	SANITARY WASTEWATER SYSTEM UPGRADE	1,700	219
831.15	888	NAVAL SUPPLY CENTER ANNEX, CRANEY ISLAND, VIRGINIA	WASTEWATER TREATMENT PLANT MODIFICATIONS	11,900	219
831.15	438	NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	INDUSTRIAL WASTE TREATMENT FACILITY	5,710	220
831.15	468	NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII	INDUSTRIAL WASTE TREATMENT COMPLEX	18,800	221
831.16	157	NAVAL SUBMARINE BASE, BANGOR, WASHINGTON	OILY WASTE TREATMENT FACILITY	1,400	222
831.20	529	MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	SEWERAGE FACILITY	8,030	222
831.41	982	NAVAL WEAPONS STATION, EARLE, NEW JERSEY	HAZARDOUS WASTE STORAGE FACILITY	880	223
831.41	370	NAVAL UNDERSEA WARFARE CENTER DIVISION, KEYPORT, WASHINGTON	HAZARDOUS WASTE STORAGE FACILITY	8,400	224
831.41	250	PORTSMOUTH NAVAL SHIPYARD, KITTEY, MAINE	HAZARDOUS WASTE STORAGE FACILITY	4,850	224
831.41	441	NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	HAZARDOUS WASTE TRANSFER FACILITY	1,470	225
832.10	486	NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII	WASTEWATER COLLECTION SYSTEM IMPROVEMENTS	9,100	225
833.09	838	NAVAL STATION, MAYPORT, FLORIDA	AIR EMISSIONS CONTROL	3,300	226
833.15	948	MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	LANDFILL	7,800	227
833.20	830	NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA	TRASH RECYCLING FACILITY ADDITION	5,400	227
TOTAL	-	POLLUTION ABATEMENT FACILITIES		135,630	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS			4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310		
5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIOUS	8. PROJECT COST (\$000) 135,630		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
POLLUTION ABATEMENT FACILITIES - PBD 310 . . .		LS	-	-	135,630
TOTAL REQUEST		-	-	-	135,630
10. DESCRIPTION OF PROPOSED CONSTRUCTION These pollution abatement facilities will bring Naval and Marine Corps installations into compliance with federal, state, and local environmental laws. Facilities include upgrading existing structures, building new structures, solid waste disposal, and separation of water and sewer pipelines. Environmental engineering evaluations were performed to determine the most advantageous method for achieving compliance with environmental laws and regulations. (See individual project descriptions of work.)					
11. REQUIREMENT: <u>VARIES.</u> Facilities at Naval and Marine Corps installations were often constructed with inadequate controls to meet present day environmental quality standards. Industrial wastewaters and sewage are discharged untreated or inadequately treated into adjacent waterways. These projects will continue the Navy's program for correcting, controlling, and preventing pollution at Naval and Marine Corps installations, and to comply with federal, state, and local air and water quality standards. The pollution abatement program includes projects from some of the following categories: Sanitary Wastewater System - Some installations have sewerage systems which do not meet present day minimum water quality standards. The Clean Water Act of 1972, PL 92-500, requires every "point source" discharger to obtain a permit which specifies the allowable amount and constituents that can be discharged to surface waters. The permit may contain a schedule specifying the dates by which the discharger will achieve compliance. Projects in this category provide improvements to sanitary sewage collection and treatment systems to satisfy the water quality criteria and permit requirements. Industrial Wastewater Treatment Facilities - Industrial operations create many unique waste disposal problems. These wastes are more difficult to					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310		5. PROJECT NUMBER VARIOUS
11. REQUIREMENT: (CONTINUED) treat than typical sanitary wastewater. Industrial wastewater effluents contain heavy metals and toxic and corrosive chemicals that are potential stream pollutants, and also have a deleterious effect on municipal sewage treatment systems. Therefore, the Navy must provide pretreatment plants so wastes are treated before being sent to municipal systems for further treatment. Industrial facilities may also discharge wastes, untreated or inadequately treated, into adjacent drainage courses that empty into harbor or navigable waters in violation of discharge permits. Projects in this category provide treatment facilities, and other modifications as required, to meet the discharge permit. Solid Waste Management Facilities - The Navy is fast approaching a crisis because of the lack of solid waste management facilities. These facilities are necessary to minimize the amount of trash, garbage, solid waste, and hazardous waste which must be handled; and to provide for the segregation and management of recyclable materials and their ultimate treatment and disposal in order to protect public health and the environment. Water and Sewer Pipelines Separation - Projects in this category insure compliance with environmental protection agency (EPA) and state regulations for the elimination of potable water contamination because of possible cross-connections of pipelines. Potable Water Treatment or Distribution Systems - Some installations which provide potable (drinking) water may not meet standards set by EPA or the states under the Safe Drinking Water Act (SDWA) of 1974, PL 93-523. Treatment systems must be modified or replaced to produce drinking water which meets the maximum contaminant levels (MCLs) specified by EPA for specific contaminants, including metals and organics. In some cases, distribution systems do not meet the requirements of the SDWA and must be modified or replaced. Oil Spill Prevention - Existing oil and fuel storage and transfer areas do not have the necessary oil spill control structures required to prevent accidental oil discharges from reaching navigable waters. To prevent the possible discharge of oil, in any form, into navigable waters or into the tributaries of such waters, Federal regulations require facilities storing or transferring oil to prepare an Oil Spill Prevention Control and Countermeasures Plan (SPCC Plan) and to fully implement this plan as soon as possible. Steel and concrete fuel storage tanks at the Navy's bulk fuel distribution facilities are now ecologically unsatisfactory because of navigable waters contamination. This was caused when Navy converted ships to the lighter middle distillate diesel fuel which seeps through numerous faults in the walls of tanks. In addition to tanks leaking, the fuel piping systems have deteriorated beyond environmentally safe limits and must be replaced. Hazardous Waste Storage Facilities - Owners and operators of hazardous waste transfer and storage facilities are required by the 1984 amendments to the Resource Conservation and Recovery Act (RCRA) to provide facilities meeting stringent standards. This requires that all hazardous waste be properly containerized, packaged, labelled and, if necessary, stored in approved facilities before final disposal. These facilities may not lawfully begin or continue transfer and storage activities until an effective RCRA permit is received. These projects provide facilities which comply with extensive technical and design standards as mandated by RCRA. Air Emissions Control - The Clean Air Act Amendments of 1990, PL 101-549, reiterated the Congressional mandate to eliminate or reduce air (CONTINUED ON DD 1391C)		

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS					
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310				5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION		COST (\$000)	
124.30	P-381	JET FUEL DELIVERY SYSTEM IMPROVEMENT BEAUFORT SC MCAS		2,550	
This project is required to clean up and prevent further environmental contamination at the site of fuel storage tanks caused by using trucks to fill the tanks. Potential fuel contamination is also caused by the use of flexible hoses to refuel large body aircraft at the east and west side fuel pits. The flexible hose refueling problem is underscored by the April 1991 fuel spill at the pits caused by a ruptured flexible hose during the refueling of a large body aircraft. To correct the problem, this project provides clean-up of fuel at tanks 401 and 402, constructs permanent buried fuel lines to the fuel pier (to allow fuel delivery by barge) and the west side of the flight line, and constructs an aircraft pantograph fueling system and fuel spill containment structure at both the east and west jet fuel pits. (Current mission.) Economic Alternatives Considered: a. Status Quo: The status quo is not a viable alternative because an environmental problem must be corrected. b. Renovation/Modernization: The construction of the fuel spill containment area and pantograph fueling system are required to prevent future fuel spills. The fuel storage tanks cannot be connected to the jet fuel distribution system without new construction. c. Lease: This alternative was not considered since the private sector has no facilities for off-station fuel storage which are connected to the jet fuel distribution system. Additionally, the requirement would still exist to clean-up the contaminated areas and to construct a refueling area which would contain future spills. d. New Construction: New construction is the only viable alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative. DESIGN INFORMATION: A. 04-92. B. 06-92. C. 04-93. D. 45. E. 80.					
179.45	P-253	FIRE FIGHTING TRAINING FACILITY BARBERS POINT HI NAS		1,350	
Provides a fire fighting training facility that complies with federal and state environmental regulations. An adequate, environmentally-safe facility with a fire fighting pit containing an aircraft mock-up, enclosed by a berm, and a vehicle maneuvering ramp is required to conduct training to maintain fire fighting proficiency. Aircraft rescue personnel at this station must periodically train using hands-on situations with conditions similar to those that might be encountered in an actual mishap, including hot drills simulating aircraft fire emergencies. The existing fire fighting training facility is not in compliance with Environmental Protection Agency (EPA) standards, which require an impermeable barrier preventing the flow or seepage of fuel or contaminated water to surface or subsurface drainage. Training at this facility has been curtailed and regulators could direct the station to cease operation at the facility. If this project is not provided, crashcrews will not be able to obtain the required training to maintain readiness in emergency situations. (Current mission.) DESIGN INFORMATION: A. 03-92. B. 10-92. C. 09-93. D. 35. E. 60.					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS				
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310				5. PROJECT NUMBER VARIOUS
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION		COST (\$000)
179.45	P-129	FIRE FIGHTING TRAINING FACILITY LEMOORE CA NAS		1,950
Provides an environmentally-conforming facility for conducting fire fighting training. An adequate facility with a fire fighting pit, containing an aircraft mock-up enclosed by a berm and a vehicle maneuvering ramp, is required to maintain fire fighting proficiency. Aircraft rescue personnel at this station must periodically train using hands-on situations with conditions similar to those that might be encountered in an actual mishap, including hot drills simulating aircraft fire emergencies on a bi-monthly basis. The existing fire fighting training facility is not in compliance with Environmental Protection Agency (EPA) standards which require an impermeable barrier preventing flow or seepage of fuel or contaminated water to surface or subsurface drainage. Regulators could direct the station to cease and desist from operating the facility under the California Toxic Pits Clean-up Act. If this project is not provided, crashcrews will not be able to obtain the required training to maintain readiness in emergency situations. <u>DESIGN INFORMATION:</u> A. 03-92. B. 11-92. C. 09-93. D. 35. E. 50.				
831.10	P-610	WASTEWATER COLLECTION AND TREATMENT SYSTEM Z/VARLOCS MILCON		3,300
Modifications to the wastewater collection system and construction of a new sewage treatment plant is required to replace the existing treatment facilities. The existing septic tanks, drain fields, and mounds system are either close to the end of their useful life or have become saturated and ineffective as a means of wastewater treatment. This results in a potential source of surface and ground water contamination in violation of National Pollution Discharge Elimination System (NPDES) permit requirements and state environmental regulations and ground water quality standards. Some of these facilities were built in the early 1940's and, although later expanded, are failing and unsuitable for continued use because of age, the relatively impervious soils over bedrock, and increased activity loading. To partially alleviate this situation and prevent NPDES violations, the septic tanks require weekly pumping out and hauling away of the effluent. A new treatment plant is required because no more open land is available on the activity for new leaching-type systems. Without this project, use of the existing drain fields must be discontinued because of unsuitable ground conditions, over-loading, and contamination of groundwater. The activity's primary mission will be significantly impacted because of possible drinking water contamination and legal action against the Navy. Economic Alternatives Considered: a. Status Quo: The existing wastewater collection system is in poor physical condition because of age and failing because of soil saturation. Failure to replace this system will result in disruption of mission, severe impacts to the environment, and reduced quality of life for station personnel. This is not a viable alternative. b. Renovation/Modernization: The existing facilities are not of correct design or capacity to meet present requirements. Most of the system is beyond its economic life, with portions nearly 50 years old. No more land is available for new leaching-type systems. Renovation or modernization of this system would be futile. c. Lease: There are no facilities in the area to lease.				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
831.10	P-610	WASTEWATER COLLECTION AND TREATMENT SYSTEM d. New Construction: Modifications to the wastewater collection system and construction of a new treatment plant is the only alternative that will satisfy the continuing mission requirement. e. Analysis Results: Evaluation of the two most favorable new construction alternatives shows that the proposed project is the most cost-effective method of providing a long-term solution for the activity. <u>DESIGN INFORMATION:</u> A. B. C. D. O. E. O.	
831.10	P-820	INDUSTRIAL WASTEWATER TREATMENT PLANT BARSTOW CA MCLB A treatment plant in compliance with environmental requirements of all regulatory agencies, with adequate facilities for quality assurance and quality control activities, raw chemical storage, and sludge handling is required. The existing industrial wastewater treatment facility, constructed in 1959, was shut down in March of 1990 by the Regional Water Quality Control Board regulatory agency. The existing facility does not comply with current environmental laws and is the site of a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Remedial Investigation. Wastewater is being collected in above-ground storage tanks and trucked to off-site treatment, storage, or disposal facilities at a high-cost. Some Depot Maintenance Activity (DMA) repair and maintenance operations have had to stop work due to prohibitive off-site treatment costs. Without this project, the DMA rebuild and repair capability on combat equipment will continue to be limited. Additionally, for those rebuild and repair activities in operation, the high-cost and safety risk of transporting the wastewater and hazardous materials long distances over public roads will still exist. (Current mission.) Economic Alternatives Considered: a. Status Quo: The existing facility does not comply with current environmental laws and is the site of a CERCLA Remedial Investigation which prevents continued operation of the facility. Industrial wastewater generated at the Depot Maintenance Activity is being pumped into rented tanks and transported off-site for disposal. The status quo is not a viable option because the Logistics Base does not have any capability to treat industrial waste. b. Renovation/Modernization: This is not a viable alternative because of the CERCLA Remedial Investigation. c. Lease: The private sector is currently being used for the disposal of industrial waste. The economic analysis indicates that this is not a cost-effective alternative. d. New Construction: New construction is the only viable alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life-cycle cost among the viable alternatives. <u>DESIGN INFORMATION:</u> A. 05-92. B. 07-92. C. 09-93. D. 35. E. 40.	8,800
831.10	P-947	WASTEWATER TREATMENT PLANT UPGRADE (PHASE I) CAMP LEJEUNE NC MCB North Carolina is attempting to reverse the degradation of New River water quality by tightening discharge limits. This is the first of three stand-alone projects proposed to satisfy sewage effluent deficiencies	28,940

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS					
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310				5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION			COST (\$000)
831.10	P-947	WASTEWATER TREATMENT PLANT UPGRADE (PHASE I) identified by State regulations and a mandate from the North Carolina State Environmental Management Commission stating that, effective 31 January 1992, effluent outfalls will not be allowed into shellfish harvesting (SA) waters. Camp Lejeune is unable to comply with the final effluent limitations of the National Pollution Discharge Elimination System (NPDES) permits without construction of updated wastewater treatment facilities. To maintain its NPDES permits, Camp Lejeune and North Carolina have negotiated a Special Order by Consent to continue sewage treatment on the base until construction of the three projects are completed. This project will construct a sanitary sewer distribution system (force mains) that will deliver treated and untreated effluent to a centralized treatment plant. Three plants will be demolished and surface water discharges removed at the remaining three plants. The existing chlorination/dechlorination structure at the seventh plant will be used for the discharge of all treated waste at Camp Lejeune. (Current mission.) Economic Alternatives Considered: a. Status Quo: This is not a viable alternative because of the need to correct environmental problems and to come under compliance with state mandates. b. Renovation/Modernization: This project is a modernization of the existing sewage treatment plant and has the lowest life-cycle cost of the viable alternatives based on an economic analysis. c. Lease: There are no private sewage treatment plants near Camp Lejeune which can handle the sewage demands of the base. A joint venture project with the City of Jacksonville was considered as an alternative, but it did not have the lowest life-cycle cost. d. New Construction: The new construction alternative considered the use of land application for disposal of the treated effluent. Based on the economic analysis, this alternative had the highest life-cycle cost. e. Analysis Results: Net present value calculations indicate that renovation/modernization has the lowest life-cycle cost among the viable alternatives. DESIGN INFORMATION: A. 05-92. B. 06-92. C. 04-94. D. 35. E. 35.			
831.10	P-831	SANITARY WASTEWATER SYSTEM UPGRADE CECIL FIELD FL NAS			1,700
Upgrades to the sanitary wastewater system are necessary to comply with Environmental Protection Agency (EPA) and the Florida Department of Environmental Regulation requirements that state that treated water discharged from a sewage treatment plant can no longer be discharged into surface waters. Secondary effluent is presently discharged downstream into the receiving waters and flows to the St. John's River. This project will construct appropriate tertiary treatment facilities for sewage treatment plant effluent to pass through before final station discharge, and insure Navy's compliance with Federal and state water quality standards. (Current mission.) DESIGN INFORMATION: A. 06-89. B. 11-89. C. 06-90. D. 100. E. 100.					
831.15	P-888	WASTEWATER TREATMENT PLANT MODIFICATIONS CRANEY IS VA NSC ANNEX			11,800
The Naval Supply Center, Norfolk provides reclamation and treatment services for the Naval Base in accordance with Water Quality Act of 1987.					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS					
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310				5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION			COST (\$000)
831.15	P-888	WASTEWATER TREATMENT PLANT MODIFICATIONS			
The facilities at Craney Island collect used oils and fuels, wastewater associated with these oils and fuels, and truck load shipments from any DOD agencies utilizing diesel and JP-5 fuels. Modifications to the existing plant are required to provide treatment processes capable of treating biochemical oxygen demand and total organic carbon to levels as required under new effluent limits. A recently negotiated Compliance Agreement between Navy and the Commonwealth of Virginia requires correction of Class I environmental violation by August 1996. Oily water/waste oil for NSC operations and bilge water from ships need to be removed from wastewater before discharge to be in compliance with the permit. The existing oily wastewater treatment plant is not equipped with treatment processes capable of treating biochemical oxygen demand and total organic carbon to the levels required under the new permit effluent limits. This project provides Class I environmental compliance modifications to the oily wastewater plant for an activated Sludge Biological Wastewater Treatment System. Without this project, this facility cannot maintain oil reclamation operations within existing environment parameters. Continued operations will not be in compliance with Commonwealth of Virginia Permit and Environmental Regulations. (Current mission.) Economic Alternatives Considered: a. Status Quo: The existing plant is not designed to treat Biological Oxygen Demand (BOD) and Total Organic Carbon (TOC) to levels required by the State of Virginia. If this project is not provided, this activity cannot maintain oil reclamation operations within existing environmental parameters and will be out of compliance with state and Environmental Protection Agency regulations. b. Renovation/Modernization: The existing plant provides chemical treatment to process oily wastewater. In order to obtain required BOD and TOC levels, both chemical treatment and extended aeration biological treatment is required. Renovation is not a viable alternative since the existing plant cannot physically provide both treatment processes. c. Lease: There are no private treatment facilities in the area capable of handling the treatment of BOD and TOC. d. New Construction: This is the only alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative. <u>DESIGN INFORMATION:</u> A. 10-91. B. 06-92. C. 06-94. D. 35. E. 35.					
831.15	P-438	INDUSTRIAL WASTE TREATMENT FACILITY NEW LONDON CT NSB			5,710
Adequate facilities are required to enhance environmental protection, minimize transportation costs, and eliminate the potential for long-term liability because of improper oil disposal. Facility will also allow waste oil products to be burned in the base's on-site power plant. Approximately six million gallons of submarine bilge water, tank strippings, tank ballast and petroleum-based waste oils are collected and treated at the base. Two million gallons are treated in an existing oil water separator and four million gallons are processed in waste oil rafts. After separation, the waste water (approximately 5.7 million gallons or 95%) is either pumped into the local municipal sanitary sewer or the Thames River, which is an environmentally unsound practice.					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS. VARIOUS LOCATIONS		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
831.15	P-438	INDUSTRIAL WASTE TREATMENT FACILITY The oil accumulated from this process, approximately 300,000 gallons per year, is shipped to a remote site to be burned for fuel at a cost of \$.28 a gallon. This project will construct an industrial waste treatment facility. Without this project, waste water will continue to be disposed of in the Thames River or the municipal sewer, risking an expensive long-term liability judgment for improper oil disposal. (Current mission.) Economic Alternatives Considered: a. Status Quo: There is no exiting facility which will satisfy the requirement to correct this environmental problem. b. Renovation/Modernization: There are no available facilities which can be modified for this project. c. Lease: There are no facilities of this type available for lease. d. New Construction: This is the only alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative. DESIGN INFORMATION: A. 10-92. B. 01-93. C. 08-93. D. 10. E. 35.	
831.15	P-468	INDUSTRIAL WASTE TREATMENT COMPLEX PEARL HARBOR HI PWC	18,800

A fully compliant and permitted industrial waste treatment complex is required to serve all Navy and Marine Corps activities on the Island of Oahu. The complex will receive, test, recycle, and process for shipping or disposal the full spectrum of industrial wastes including providing any mitigating measures to minimize hazards and any occupational safety and health measures. There are no other facilities on Oahu capable of handling the Navy's hazardous waste. The rudimentary equipment in use now was constructed as a small acid neutralization facility in 1972. The facility does not meet Resource Conservation and Recovery Act (RCRA) requirements, is greatly undersized for serving the volume and complexity of wastes generated, and faces imminent shutdown. Similarly, the environmental/industrial laboratory facility has experienced an exponential growth in analysis requirements due to new regulations which exceed the capacity of the 1945 building. The State of Hawaii Department of Health issued Notices of Violation for the facilities in March 1990 and August 1991. Continued operation could result in fines and criminal penalties. Closure of the facility will result in long-term stockpiling of wastes on Oahu or else shipment of the wastes to the mainland at an estimated cost of \$8,000,000 annually. (Current mission.)

Economic Alternatives Considered:

- a. Status Quo: The existing industrial waste treatment operations do not meet current state and Federal regulations for active hazardous waste facilities. EPA has classified the plant as a Resource Conservation and Recovery Act (RCRA) regulated facility. Notices of violation were issued in March of 1990 and August of 1991, and the facility faces potential shutdown in the near future.
- b. Renovation/Modernization: The existing crude plant was not designed to meet RCRA requirements and is not sized to accommodate current and increasing processing requirements. Upgrading of these facilities is not technically feasible and there are no available

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
831.15	P-468	INDUSTRIAL WASTE TREATMENT COMPLEX facilities which can be modified or converted to satisfy this requirement. c. Lease: There are no government or private firms on Oahu with the capability to perform the required function. d. New Construction: This is the only feasible alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed, since new construction is the only reasonable alternative. <u>DESIGN INFORMATION:</u> A. 07-92. B. 11-92. C. 10-93. D. 10. E. 35.	
831.16	P-157	OILY WASTE TREATMENT FACILITY BANGOR WA NAVSUBASE Adequate facilities are required to improve local water quality by reducing the oil contamination of sanitary sewage pumped from Trident submarines to below the limits required by county law. This project will also insure that Trident refit schedules are accomplished in a timely manner by reducing the number of shutdowns which occur in the pier to shore waste transfer systems. The oil content of this base's sanitary sewage averages in excess of 100 parts per million with instantaneous concentrations far exceeding this amount. Delta Pier wastes are a major contributor to this contamination problem. Excessive oil contamination causes treatment breakdowns at the Kitsap County Wastewater Treatment Plant. The existing waste transfer system is susceptible to shutdowns caused by oil/water separator failure and cross contamination of the chemical holding tank and ship overboard discharge systems. Approximately six times a year failures require system shutdown and time consuming cleanups which interrupt refit operations. A third problem with the existing system is its inability to handle oil/water emulsions. These emulsions overcome the existing oil/water separator and flow into the sanitary sewer where they must be cleaned out and disposed of as hazardous waste during a system shutdown. Failures in the existing system hold the potential for delaying Trident refit schedules. This project will construct facilities to treat chemical holding tank and ship overboard discharge wastes pumped into the county sewer system from Trident submarines berthed at the Delta Pier. Without this project, contamination of the base's sanitary sewage will continue to exceed legal levels, resulting in problems at the treatment plant and increased pollution of Puget Sound. The system will continue to experience failures which require shutdown and disruption of Trident refit operations. (Current mission.) <u>DESIGN INFORMATION:</u> A. 05-92. B. 10-92. C. 07-93. D. 30. E. 40.	1,400
831.20	P-529	SEWERAGE FACILITY CAMP PENDLETON CA MCB The existing sewage treatment plants provide secondary treatment of domestic sewage. The effluent is discharged to a stream and percolated to the groundwater basin upstream of the drinking water supply wells. The concentrations of total dissolved solids (TDS), nitrogen, and phosphorous violate the requirements of the National Pollution Discharge Elimination System (NPDES) permit. By moving the existing discharges to an area close to the ocean with controlled percolation, modification to the Basin Plan can be obtained, and a new NPDES permit issued which will be in compliance. It will also remove a possible source of contaminants	8,030

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS				
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310			5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION		COST (\$000)
831.20	P-529	SEWERAGE FACILITY		
which could cause violations of the Safe Drinking Water Act Amendments of 1986. Compliance cannot be achieved by modification of existing operations and facilities. Violation of the Cease and Desist Order gives the Executive Officer of the Regional Water Quality Control Board the authority to bring the matter directly to the State Attorney General for enforcement. Also the discharge will continue to increase the TDS concentrations in the groundwater upstream of the drinking water supply wells in the Margarita, San Onofre and Las Pulgas Basins. This project provides percolation of sewage treatment plant effluent in areas that ensure compliance with Cease and Desist Orders issued by San Diego Regional Water Quality Control Board for violations of the Las Pulgas and San Mateo Plants of Waste Discharge Requirement Orders No. 87-11 and 87-14, NPDES Permits No. CA 010 8251 and 010 8286, Waste Discharge Requirements prescribed by the San Diego Regional Water Quality Control Board, 23 January 1989. (Current mission.) Economic Alternatives Considered: a. Status Quo: This is not a viable alternative because an environmental problem must be corrected. b. Renovation/Modernization: Altering the location of the percolation beds downstream and away from the potable water wells is the lowest cost alternative based on the economic analysis. c. Lease: Local municipal sewage treatment plants are operating at maximum capacity and are unable to take additional wastewater from Camp Pendleton. There are no other commercial wastewater treatment plants available. d. New Construction: This is the most expensive alternative based on the economic analysis. New construction would replace two existing wastewater treatment plants. e. Analysis Results: Net present value calculations indicate that alteration of the existing sewage treatment plant percolation system has the lowest life-cycle cost. DESIGN INFORMATION: A. 03-92. B. 05-92. C. 08-93. D. 35. E. 40.				
831.41	P-982	HAZARDOUS WASTE STORAGE FACILITY EARLE NJ NWS		880
This project provides a fully compliant hazardous waste storage and transfer facility meeting all Federal and state laws for storage of up to one year. Hazardous materials are generated daily on the station, but the majority of the wastes come from homeported ships returning from deployment. Most of the generated wastes are ignitibles, such as paints, fuels and solvents. The station has only one enclosed facility, a quonset hut; an outdoor storage yard inside an explosive safety area; and a waste oil tank to store all the materials it receives. These facilities are very inadequate in size and in meeting stringent Environmental Protection Agency regulations. Additionally, the situation is becoming more critical due to the increasing quantities of hazardous wastes generated by more homeported ships and the length of storage time necessary. It is becoming more difficult for waste haulers to find landfills or proper disposal locations. The many safety and environmental violations within the existing building include cracks in the foundation, leaking and caved in roof, no fire protection, improper ventilation, overcrowding of materials, no separation berms, no eye wash fountains, no alarms and no alternate exit. The station is open to being				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
831.41	P-982	HAZARDOUS WASTE STORAGE FACILITY cited for violations and possible fines. (New mission.) <u>DESIGN INFORMATION:</u> A. 06-92. B. 11-92. C. 06-93. D. 25. E. 35.	
831.41	P-370	HAZARDOUS WASTE STORAGE FACILITY KEYPORT WA NUWC DIV	8,400
A fully compliant hazardous waste transfer, storage, and disposal facility is required that meets all codes and requirements of the Environmental Protection Agency (EPA) and the State of Washington. The existing storage facility is sited over a debris landfill and directly adjacent to wetlands. The unstable character of the fill material and the facility's proximity to the wetlands places it in violation of Washington State Dangerous Waste and EPA Regulations. In addition, the facility is located on a designated "Superfund Site" and is part of an Installation Remediation Program. The existing facility lacks automatic fire suppression and alarm systems, personnel safety provisions, and segregation and spill containment features. The EPA has mandated closure of the facility. This project is vital for continued industrial operations at Keyport because it handles hazardous wastes generated by the MK 48 and MK 50 torpedo programs. (Current mission.) Economic Alternatives Considered: a. Status Quo: This is not a viable alternative, because the Environmental Protection Agency has mandated closure of the existing facility. b. Renovation/Modernization: There are no available facilities which can be modified to provide compliant hazardous waste management. c. Lease: Federal and state codes require proper handling and storage of hazardous waste prior to leaving the generating base. Transportation of hazardous waste to a leased facility off-base would violate these codes. d. New Construction: This is the only viable alternative that will satisfy the requirement. e. Analysis Results: Net present value calculations were not performed since new construction is the only viable alternative. <u>DESIGN INFORMATION:</u> A. 03-92. B. 09-92. C. 07-93. D. 35. E. 40.			
831.41	P-250	HAZARDOUS WASTE STORAGE FACILITY KITTERY ME PORTSMOUTH NSY	4,850
A fully compliant hazardous waste transfer, storage, and disposal facility that meets all codes and requirements of the Environmental Protection Agency (EPA) and the State of Maine is required. This project is vital for the continued industrial operations of the shipyard which generates over two million pounds of solid and hazardous wastes each year. These wastes include oil containing PCB's, mercury, used sand blast materials, contaminated oil, paints, etc. Adequate facilities are required for sampling, testing, and consolidating solid and hazardous waste until it can be disposed of by contract haulers. Presently, this critical work is done from a leased trailer, five container type buildings, a small temporary building and an open storage area. These structures are scattered over the yard and are totally inadequate in size and function for complying with Resource Conservation and Recovery Act (RCRA) regulations. The facilities lack weather protection for			

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS			
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310			5. PROJECT NUMBER VARIOUS
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
831.41	P-250	HAZARDOUS WASTE STORAGE FACILITY stored materials, spill containment, fire protection, emergency lighting, and personnel safety features and amenities. The existing facilities are marginally licensed under a temporary, "grandfather" type license from the Maine Department of Environmental Protection. Anticipated more restrictive requirements for treatment, storage and disposal facilities make the withdrawal of this license imminent. This would place the shipyard in an untenable position. (Current mission.) Economic Alternatives Considered: a. Status Quo: This alternative is infeasible because of the conditions the people are currently working under and the potential liability for injuries and spills. b. Renovation/Modernization: Existing facilities are totally inadequate, and there are no other available facilities which can be modified to provide this requirement. The outside storage yard and small building can continue in service for some storage functions to hold down the cost of new construction. c. Lease: Subcontracting for pickup, consolidation, and storage of hazardous waste at an off-base location would be a violation of Federal regulations. d. New Construction: The shipyard has approximately 65 different waste items coming from hundreds of sites around the base. To ensure regulated conformance quality in identification and labeling of the material, a new testing and storage facility must be constructed. e. Analysis Results: Net present value calculations were not performed, since new construction is the only viable alternative. <u>DESIGN INFORMATION:</u> A. 07-92. B. 11-92. C. 04-93. D. 30. E. 40.	
831.41	P-441	HAZARDOUS WASTE TRANSFER FACILITY NEW LONDON CT NSB	1,470
A complete hazardous waste transfer facility is required to support hazardous waste storage and disposal operations. Defense Environmental Quality Program Memoranda of 13 May and 20 October 1980 and the Resource Conservation Recovery Act prescribe responsibilities for the disposal of hazardous property. To comply with these regulatory requirements, facilities of unique design are required to ensure safe and environmentally sound storage and disposal of hazardous materials. Currently, the transfer of hazardous waste is conducted in separated areas of generating activities. These sites lack capacity, spill containment, and/or fire and health provisions for safe, efficient operations. If this project is not provided, storage at multiple locations will continue, in violation of regulatory requirements. Effective and efficient disposal operations will remain unattainable, adversely impacting support to the Fleet, and the Base and generating activities will be subject to fines for noncompliance. (Current mission.) <u>DESIGN INFORMATION:</u> A. 04-92. B. 11-92. C. 06-93. D. 20. E. 40.			
832.10	P-486	WASTEWATER COLLECTION SYSTEM IMPROVEMENTS PEARL HARBOR HI PWC	9,100
This center operates one main trickling filter plant and four package wastewater treatment plants serving the Naval Computer and Telecommunications Area Master Station, Eastern Pacific (NCTAMSEASTPAC) in central Oahu. Treatment of sewage generated from the activity must			

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310		5. PROJECT NUMBER VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
832.10	P-486	WASTEWATER COLLECTION SYSTEM IMPROVEMENTS comply with National Pollution Discharge Elimination System (NPDES) and State of Hawaii water quality standard requirements. The five small treatment units continuously violate effluent limitations imposed by new NPDES permits issued in September of 1990 and formal Notice of Violations (NOV's) from the state are imminent. The five units cannot meet the new permit limitations without significant and costly expansions to tertiary treatment levels. To continue operating as-is will result in substantial fines, civil liability and public outcry from concerned citizens. A number of municipal and private sewage treatment facilities on Oahu have recently been cited and fined for regulatory violations. This project proposes to construct a collection system to divert all sewage generated at NCTAMSEASTPAC to the City and County of Honolulu sewerage system. (Current mission.) Economic Alternatives Considered: a. Status Quo: The existing sewage treatment system does not comply with the NPDES permit and State of Hawaii water quality standards. Formal Notice of Violation from the state is imminent. If the status quo is maintained, the Navy will be in constant violation of the NPDES permit which may result in heavy fines, civil liability and public outcry. b. Renovation/Modernization: Five alternatives for modifying the existing five small treatment units were considered in a study done by a private firm. A major disadvantage found with each of these alternatives was the need to continue to operate and maintain the modified collection and treatment system. The existing facilities have historically been difficult to operate because of low volume flows and intermittent flow patterns. Additionally, some of the units are 15 years old and will require replacement in about 10 years. The economic analysis indicated that none of the five alternatives were cost-effective compared to the proposed alternative. c. Lease: No commercial sewage treatment operators exist in the region which could be leased. d. New Construction: This is the lowest cost alternative based on the economic analysis. Additional benefits include: eliminates the requirement for NPDES permit, improves inland water quality, eliminates associated administrative burden and potential negative publicity, improves reliability, and eliminates the need to operate and maintain any wastewater treatment plant. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life-cycle cost among the viable alternatives. <u>DESIGN INFORMATION:</u> A. 02-92. B. 11-92. C. 09-93. D. 20. E. 35.	
833.09	P-838	AIR EMISSIONS CONTROL MAYPORT FL NS	3.300
Provides upgraded Carbonaceous fueled boiler facility (CFB) and new air pollution control system to meet current and future local, state, and federal regulations. The CFB burns waste from the Naval Station and ships in port, which cannot be recycled. Current and proposed emissions regulations require removal of particulates and objectionable compounds from the flue gas. The CFB is presently operating in violation of local particulate emission regulations. Proposed federal regulations will require additional flue gas cleaning which the present equipment will not accomplish. If this project is not provided, the installation will be in			

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS		
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310		5. PROJECT NUMBER VARIOUS
CATEGORY CODE	PROJECT NUMBER	COST (\$000)
833.09 P-838 AIR EMISSIONS CONTROL violation of emission regulations, which could shut down operations. This would necessitate uneconomical landfilling of refuse and disposing of waste oil off site. (Current mission.) Economic Alternatives Considered: a. Status Quo: The Station is required to install this system under a compliance agreement with the City of Jacksonville. b. Renovation/Modernization: There are no available facilities which can be modified to provide meet this requirement. c. Lease: Economical lease alternatives are not available in the area. Utilization of the local landfill was considered but life cycle analysis indicates this will be more costly. d. New Construction: Installation of new pollution control equipment is the only economical way to meet this requirement. DESIGN INFORMATION: A. 04-92. B. 08-92. C. 03-93. D. 35. E. 80.		
833.15 P-948 LANDFILL 7,800 CAMP LEJEUNE NC MCB An adequate sanitary landfill to dispose of wastes is required for Camp Lejeune to conform to Federal criteria for solid waste disposal facilities. The existing landfill permit has expired. As an interim measure, Camp Lejeune applied for a permit from the State of North Carolina for vertical expansion in July of 1992. Vertical expansion will extend the life of the current landfill to approximately December of 1994. When the current landfill becomes unusable, waste will need to be disposed of off-base. Because other landfills in the coastal plain area have the same limitations as Camp Lejeune, disposing of Camp Lejeune's waste outside of the coastal plain area is estimated to cost \$8 million per year. This project will provide a lined sanitary landfill. Without this project, Camp Lejeune will not have a landfill in compliance with federal and state regulations. Wastes will have to be disposed of off-base outside the coastal plain area at a considerable cost. Economic Alternative Considered: a. Status Quo: The status quo is not a viable alternative because Camp Lejeune must have a working landfill to continue to operate in an economic manner. b. Renovation/Modernization: Vertical expansion of the current landfill will only extend its life to approximately December 1994. Lateral expansion is not possible because of new federal and state regulations. c. Lease: Transporting the wastes to another landfill was considered as an alternative. The economic analysis showed that this alternative had the highest net present value of the viable alternatives. d. New Construction: The economic analysis showed new construction to be the most economical of the viable alternatives. e. Analysis Results: Net present value calculations indicate that new construction has the lowest life-cycle cost. DESIGN INFORMATION: A. 04-92. B. 05-92. C. 12-93. D. 35. E. 35.		
833.20 P-830 TRASH RECYCLING FACILITY ADDITION 5,400 NORFOLK VA PWC Solid waste management is involved with environmental issues relating to both incineration and landfill disposal. The recovery of certain		

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS					
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310				5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION			COST (\$000)
833.20	P-830	TRASH RECYCLING FACILITY ADDITION			
materials and recycling is becoming a cost-effective practice, reducing the volume of solid waste and producing usable energy. Through sampling, it has been determined that the valuable material content of refuse collected by the Navy in the Norfolk area is higher than normal. Removal of these recyclables from the refuse is required to improve future incineration operations and reduce landfill disposal requirements. Trash is collected from industrial and warehouse areas, offices, housing, and ships in port and delivered to the salvage fuel plant. Between 1976 and 1986, all refuse generated was burned and the remaining ash disposed of at the regional municipal landfills. However, in August 1986, the ash tested positive in a toxicity test and, consequently, all refuse incineration at the plant ceased. To meet the base's steam demand, the boilers now burn oil. Loss of the ability to incinerate the refuse has resulted in a substantially large disposal cost. Solid waste disposal for the approximately 25,000 cubic yards collected is currently costing about \$420,000 per month. This waste contains aluminum, glass, paper, cardboard, plastics, and ferrous and non-ferrous metals. Recovering these materials would recycle about 40 percent of all the solid waste with a value of \$130,000 per month. The remaining waste, with a higher heat content, can then be incinerated or disposed of at a landfill. This project will construct an addition to the salvage fuel heating plant to house a transfer/recycling facility for extracting recyclable materials. Without this project, this center will not be able to reduce its operational costs for solid waste disposal by minimizing the volume delivered to the regional landfill and realizing income from selling recyclable materials. Additional benefits, including the interception of medical and hazardous wastes, improperly disposed of government property and other positive environmental impacts, will not be achieved. (Current mission.) Economic Alternatives Considered: a. Status Quo: All the municipal solid waste generated on the Naval Base is now delivered to the former salvage fuel plant, which acts only as a trash transfer facility. The partially separated trash is then trucked to the regional landfill. The Commonwealth of Virginia has adopted a goal of reducing solid waste disposal by 25 percent by 1995. Navy policy is to abide by and meet state goals for solid waste reduction. The current facility does not meet requirements under Department of Waste Management Regulations for a solid waste transfer station. Therefore, this is not a viable alternative. b. Renovation/Modernization: This project will construct an addition to the "tipping" floor at the salvage fuel plant which is not large enough for separating the refuse for recycling. This addition is the lowest cost alternative based on an economic analysis with a 27-month payback period. Economic returns to the government include: landfill cost avoidance, associated transportation costs, sale of recyclable commodities, interception of medical waste, hazardous waste clean-up cost avoidance, and the value of recovered government property. c. Lease: There is no current market survey available for a recycling facility; therefore, this is not a viable alternative. d. New Construction: The cost of this addition is less than 75 percent of the estimated new construction cost; therefore, this is not a viable alternative. e. Analysis Results: The net present value calculations indicate that an addition to the existing salvage fuel plant has the lowest life-cycle cost.					

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS					
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES - PBD 310				5. PROJECT NUMBER VARIOUS	
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT</u> <u>NUMBER</u>	<u>PROJECT TITLE/INSTALLATION/LOCATION</u>			<u>COST</u> <u>(\$000)</u>
833.20	P-830	TRASH RECYCLING FACILITY ADDITION			
<u>DESIGN INFORMATION:</u> A. 12-90. B. 05-91. C. 03-93. D. 50. E. 80.					
TOTAL - POLLUTION ABATEMENT FACILITIES - PBD 310					135,630

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 314

ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPRDP. REQUEST (\$000)	PAGE NO.
010.00	VAR	VARIOUS LOCATIONS	ARCHITECTURAL AND ENGINEERING SERVICES & CONSTRUCTION DESGN	70,182	233
TOTAL	-	ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN		70,182	

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS				4. PROJECT TITLE A & E SERVICES AND CONSTRUCTION DESIGN - PBD 314		
5. PROGRAM ELEMENT 0901211N		6. CATEGORY CODE 010.00	7. PROJECT NUMBER VARIOUS		8. PROJECT COST (\$000) 70,182	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
A & E SERVICES AND CONSTRUCTION DESIGN			LS	-	-	70,182
TOTAL REQUEST			-	-	-	70,182
10. DESCRIPTION OF PROPOSED CONSTRUCTION Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, unspecified minor construction, emergency construction, land appraisals, and special projects as directed. Engineering investigations, such as field surveys and foundations exploration, will be undertaken as necessary.						
11. REQUIREMENT: <u>VARIES.</u> All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services and construction design are not included in the construction project cost estimates.						

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 315

UNSPECIFIED MINOR CONSTRUCTION

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
020.00	VAR	VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION	5,000	237
020.00	VAR	VARIOUS LOCATIONS	MAJOR REPAIR CONSTRUCTION	580,526	238a
020.00	VAR	VARIOUS LOCATIONS	MINOR CONSTRUCTION	71,224	238c
TOTAL - MINOR CONSTRUCTION				656,750	

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE	
3. INSTALLATION AND LOCATION/UIC: NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS				4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION - PBD 315		
5. PROGRAM ELEMENT 0901211N		6. CATEGORY CODE 020.00	7. PROJECT NUMBER P-094		8. PROJECT COST (\$000) 5,000	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION				LS	-	-
TOTAL REQUEST				-	-	5,000
10. DESCRIPTION OF PROPOSED CONSTRUCTION Projects authorized by Title 10 USC 2805 not otherwise authorized by law (except family housing) having an approved cost of \$1,500,000 or less, including construction, alteration, or conversion of permanent or temporary facilities. Total request includes funds for supervision, inspection, and overhead.						
11. REQUIREMENT: <u>VARIES.</u> Title 10 USC 2805 provides authority to the Secretary of Defense and the Secretaries of the Military Departments to acquire, construct, extend, alter or install permanent facilities having an approved cost of \$1,500,000 or less not otherwise authorized by law. Included are those items required for which a need cannot reasonably be foreseen nor justified in time to be included in an annual military construction program, but are so urgently required that financing cannot be deferred until legislation in support of a new program is enacted.						

1. COMPONENT NAVY		FY 19⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION /UIC:N64483 NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS				4. PROJECT TITLE MAJOR REPAIR CONSTRUCTION		
5. PROGRAM ELEMENT 0901211N		6. CATEGORY CODE 020.00		7. PROJECT NUMBER P-094		8. PROJECT COST (\$000) 580,526
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
MAJOR REPAIR				LS	-	-
CONSTRUCTION				LS	-	-
BACHELOR QUARTERS.				LS	-	-
ENVIRONMENTAL.				LS	-	-
TOTAL				-	-	-
						580,526 (360,361) (113,964) (106,201) <u>580,526</u>
10. DESCRIPTION OF PROPOSED CONSTRUCTION Finances major repair (including environmental) projects costing a minimum of \$15,000 which extend the useful life of real property facilities, and major restoration or replacement projects to damaged, destroyed, deteriorated, or aged real property in order to restore the property to such condition that it may be effectively used for its designated mission purpose. Total request includes funds for supervision, inspection, and overhead.						
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Individual projects are of an investment nature and may include roof replacements; repavement of runways; and repair or replacement of major operating systems such as electrical, heating, or air conditioning systems. Finances work completed through either in-house or contractual efforts. Planning and design costs associated with major repair projects may be funded from this subactivity. <u>IMPACT IF NOT PROVIDED:</u> Historical data on the Navy's real property repair requirements supports this funding level. Any reduction in this request will result in an additional backlog of requirements affecting the Navy's ability to provide safe, adequate, and modern facilities to support missions.						

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION /UIC: N64484 NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS				4. PROJECT TITLE MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 0901211N		6. CATEGORY CODE 020.00		7. PROJECT NUMBER P-294		8. PROJECT COST (\$000) 71,224
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
MINOR CONSTRUCTION				LS	-	71,224
CONSTRUCTION				LS	-	(59,313)
BACHELOR QUARTERS.				LS	-	(10,411)
ENVIRONMENTAL.				LS	-	(1,500)
TOTAL				-	-	71,224
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Finances construction projects and the construction portion of repair projects where the total or proportionate construction cost is less than \$300,000. Total request includes funds for supervision, inspection, and overhead.						
11. REQUIREMENT: <u>AS REQUIRED</u>						
<u>PROJECT:</u> Projects may include erection, installation, or assembly of a new real property facility; additions, extensions, expansions, alterations, conversions, or replacement of an existing real property facility or a portion of a real property facility. Finances work completed through either in-house or contractual efforts. Such work supports new or expanded missions, force structure realignments, or other requirements which necessitate changes to real property facilities in support of the mission. Planning and design costs associated with minor construction projects may be funded from this subactivity.						
<u>IMPACT IF NOT PROVIDED:</u> Historical data on the Navy's minor construction requirements supports this funding level. Any reduction in this request will result in an additional backlog of requirements affecting the Navy's ability to provide safe, adequate, and modern facilities to support missions.						

PAGE NO. 238d

DEPARTMENT OF THE NAVY
FY 1994 MILITARY CONSTRUCTION PROGRAM

PROGRAM BUDGET DECISION 333

SPECIAL ACTIVITIES, AIR FORCE

CAT. CODE	PROJ. NO.	INSTALLATION/ LOCATION	PROJECT TITLE	APPROP. REQUEST (\$000)	PAGE NO.
143.80	181	CLASSIFIED LOCATION	CLASSIC WIZARD ADDITION	62,000	241
143.80	064	NAVAL SECURITY GROUP ACTIVITY, EDZELL, SCOTLAND	CLASSIC WIZARD FACILITIES UPGRADE	2,600	243
143.80	703	NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	SPECIAL PROJECTS BUILDING	7,500	245
TOTAL	-	SPECIAL ACTIVITIES, AIR FORCE		72,100	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NY0808 CLASSIFIED LOCATION			4. PROJECT TITLE CLASSIC WIZARD ADDITION	
5. PROGRAM ELEMENT O3O4114N	6. CATEGORY CODE 143.80	7. PROJECT NUMBER P-181	8. PROJECT COST (\$000) 62,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CLASSIC WIZARD ADDITION.	LS	-	-	55,700
SUBTOTAL	-	-	-	55,700
CONTINGENCY (5.0%).	-	-	-	2,780
TOTAL CONTRACT COST.	-	-	-	58,480
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	3,510
TOTAL REQUEST.	-	-	-	62,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Addition to existing classic wizard.				
11. REQUIREMENT: <u>AS REQUIRED</u> PROJECT: Provides an addition to an existing classic wizard. (Current mission.)				
12. SUPPLEMENTAL DATA:				
A. ESTIMATED DESIGN DATA: (PROJECT DESIGN CONFORMS TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE.")				
(1) STATUS:				
(A) DATE DESIGN STARTED. _____				
(B) PERCENT COMPLETE AS OF JANUARY 1993. _____ 0				
(C) DATE DESIGN 35% COMPLETE _____				
(D) DATE DESIGN COMPLETE _____				
(E) PERCENT COMPLETE AS OF SEPTEMBER 1992. _____ 0				
(2) BASIS:				
(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO <u>X</u>				
(B) WHERE DESIGN WAS MOST RECENTLY USED: _____				
(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): (\$000)				
(A) PRODUCTION OF PLANS AND SPECIFICATIONS (0)				
(B) ALL OTHER DESIGN COSTS (0)				
(C) TOTAL. 0				
(D) CONTRACT (0)				
(E) IN-HOUSE (0)				
(4) CONSTRUCTION START. _____				
(MONTH AND YEAR)				
(CONTINUED ON DD 1391C)				

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION/UIC: NY0808 CLASSIFIED LOCATION		
4. PROJECT TITLE CLASSIC WIZARD ADDITION		5. PROJECT NUMBER P-181
12. SUPPLEMENTAL DATA: (CONTINUED) B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS: NONE		

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: N63073 NAVAL SECURITY GROUP ACTIVITY, EDZELL, SCOTLAND			4. PROJECT TITLE CLASSIC WIZARD FACILITIES UPGRADE	
5. PROGRAM ELEMENT O3O4114N	6. CATEGORY CODE 143.80	7. PROJECT NUMBER P-064	8. PROJECT COST (\$000) 2,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CLASSIC WIZARD FACILITIES UPGRADE.	LS	-	-	2,320
SUBTOTAL	-	-	-	2,320
CONTINGENCY (5.0%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,440
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	160
TOTAL REQUEST.	-	-	-	2,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Upgrade heating, ventilation, air conditioning, and sprinkler systems; replace raised computer deck flooring; one-story masonry and concrete addition, reinforced concrete foundations, concrete floor, masonry walls, concrete built-up asphalt roof to match existing; diesel emergency generators and switching equipment, monorail, and utilities.				
11. REQUIREMENT: <u>AS REQUIRED</u> <u>PROJECT:</u> Upgrades the existing Classic Wizard building by providing a complete emergency power back-up system, replacing heating and air conditioning systems, replacing computer floor to support existing and new computer operational equipment, and provides for personnel parking. (Current mission.) <u>REQUIREMENT:</u> Full redundant emergency power and temperature conditioning equipment are required to ensure operations are uninterrupted because of power failure or mechanical equipment breakdown. Continuous operation is essential to meet the Classic Wizard mission. <u>CURRENT SITUATION:</u> The existing emergency generators do not meet the requirements for 100% redundant emergency power. Several overhauls of these generators have been accomplished, as a result of past shore power failures, rendering them uneconomical to overhaul again. A reliable air conditioning and heating system is required to maintain operation of the computers and related equipment. The air conditioning unit is subject to frequent breakdown and is near the end of its useful life. Existing furnaces are beyond their useful life. The raised computer flooring was not designed to handle the loading of the equipment currently required to meet mission functions. Parking is inadequate for current personnel. <u>IMPACT IF NOT PROVIDED:</u> The essential operations of this facility will be subject to frequent unscheduled interruptions. Personnel and equipment will continue to be				

(CONTINUED ON DD 1391C)

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE
3. INSTALLATION AND LOCATION/UIC: NOO173 NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA			4. PROJECT TITLE SPECIAL PROJECTS BUILDING	
5. PROGRAM ELEMENT 0605001N	6. CATEGORY CODE 143.80	7. PROJECT NUMBER P-703	8. PROJECT COST (\$000) 7,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SPECIAL PROJECTS BUILDING.	SF	28,000	-	6,020
BUILDING	SF	28,000	125.00	(3,500)
PARKING STRUCTURE.	LS	-	-	(1,290)
BUILT-IN EQUIPMENT	LS	-	-	(1,230)
SUPPORTING FACILITIES.	-	-	-	720
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(80)
ELECTRICAL UTILITIES	LS	-	-	(170)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(350)
SUBTOTAL	-	-	-	6,740
CONTINGENCY (5.0%)	-	-	-	340
TOTAL CONTRACT COST.	-	-	-	7,080
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	420
TOTAL REQUEST.	-	-	-	7,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story steel frame building connecting two existing buildings, concrete floors, built-up roof, masonry walls, pile foundation, windowless vault construction, radio frequency interference (RFI) shielded, strict temperature and humidity control, three-story parking structure, elevator, air conditioning, special electrical systems, fire protection system, emergency generator, and utilities.				
11. REQUIREMENT: <u>141,770</u> SF ADEQUATE: <u>113,770</u> SF SUBSTANDARD: <u>0</u> SF				
<u>PROJECT:</u> A secure facility to permit the Navy to conduct the necessary development, testing, and quality assurance of electronic and computer equipment essential to accomplish the DX Brickbat, FAD I mission. (New mission.) <u>REQUIREMENT:</u> Physically and electronically secured space for operating sophisticated electronic and computer equipment required in the development and control of an essential military system supporting tri-service requirements. Space is required to be environmentally controlled with reliable power to support electronic, computer, and communications equipment. Space is required for software development, test bed, interfacilities communications, and support. System initial operating capability is required in May of 1995 to support a DX Brickbat FAD I Program milestone. <u>CURRENT SITUATION:</u> Adequate secure facilities are not available for the Navy to perform this expanded classified mission. <u>IMPACT IF NOT PROVIDED:</u> A highly-classified program and Department of Defense mission will not be accomplished. This continuing dynamic program with increased mission requirements will not have sufficient computer and software development space to provide worldwide tri-service support.				
(CONTINUED ON DD 1391C)				

**DEPARTMENT OF THE NAVY
MILITARY FAMILY HOUSING
OSD BUDGET SUBMISSION
FISCAL YEAR 1994 INDEX**

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Navy	
Marine Corps	405
Leasing	417
Debt	425

DEPARTMENT OF THE NAVY

FY 1994 BUDGET SUMMARY

(\$000)

	FY1992	FY1993	FY1994
Construction			
New Housing	136,802	153,410	238,164
Construction Improvements	55,438	198,340	193,486
Design	6,200	14,200	23,214
Subtotal Construction	198,440	365,950	454,864
 Operations, Utilities, Maintenance, Leasing and Debt			
Operating Expenses	132,489	134,667	187,384
Utilities	189,384	194,110	198,575
Leasing	64,772	104,470	120,108
Maintenance	316,965	262,840	382,293
Debt	90	90	88
 Subtotal Operations, Utilities, Maintenance, Leasing and Debt	703,700	696,177	888,448
Reimbursable Program	9,728	10,065	15,426
 Subtotal Operations, Utilities, Maintenance, Leasing, Debt and Reimbursable Program	713,428	706,242	903,874
 Total Construction, O,U,M,L, and Debt	911,868	1,072,192	1,358,738
Less Reimbursable Program	9,728	10,065	15,426
Budget Authority	902,140	1,062,127	1,343,312
 Appropriation:			
Construction	198,440	365,950	454,864
Operations, Utilities, Maintenance, Leasing, and Debt	703,700	696,177	888,448
 Total Appropriation	902,140	1,062,127	1,343,312

250

250

**DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY AND MARINE CORPS
FY 1994 BUDGET ESTIMATE
CONSTRUCTION OF NEW HOUSING**

	<u>(In Thousands)</u>		
	<u>FY 1992</u>	<u>FY 1993</u>	<u>FY 1994</u>
Construction of New Housing	\$136,802	\$153,410	\$238,164

FY 1994 Projects

<u>Activity</u>	<u>No. of Homes</u>	<u>Amount</u>	<u>Page</u>
<u>New Construction/Acquisition</u>			
MCB Camp Pendleton, CA	105	\$ 13,796	255
PWC San Diego, CA	410*	44,571	259
Naval District of Washington	396*	40,100	263
PWC Norfolk/NAB Little Creek, VA	404*	58,060	273
NSB Bangor, WA	300	27,647	279
NSGA Edzell, Scotland, UK	40	6,000	283
NAVACTS London, UK	81	17,680	287
<u>Mobile Home Spaces</u>			
NAS Brunswick, ME	20	490	271
			253
<u>Reimbursements to Army</u>			
NC Great Lakes/Glenview, IL	329	24,000	
(Reimbursement to Army)			
Stand Alone Sites	52	3,870	
(Reimbursement to Army)			
<u>Support Facilities</u>			
PWC Pensacola, FL	Self Help/ Warehouse	300	267
NSB Kings Bay, GA	Welcome Center/ Self Help/ Warehouse	790	269
NAS Oceana, VA	Community Center	860	277

Purpose and Scope

This program provides for land acquisition, site preparation, acquisition and construction, and initial outfitting with fixtures and integral equipment of new family housing units and associated facilities such as roads, driveways, walks, utility systems, solar energy systems, and community and recreational facilities.

Program Summary

Authorization is requested for \$238,164,000 to fund new construction requirements.

*Replacement homes for Naval District of Washington, Norfolk/Little Creek and combination of new (310) and replacement (100) homes for San Diego.



REIMBURSEMENT TO ARMY

<u>Location Purchased</u>	<u>No. of Homes</u>	<u>(\$000)</u>
Fort Sheridan, IL	329	\$24,000
Fairfield, CT	28	2,400
Holmdel, NJ	12	735
Old Bridge, NJ	12	735
Total	381	27,870

Transfer of \$27,870,000 of Navy TOA is requested to reimburse the Army for the purchase of various housing properties the Army is excessing under Base Realignment and Closure 1988. The funding will fulfill agreements reached between the Army and the Navy. An August 1991 Memorandum of Understanding between Secretary of the Navy and Secretary of the Army establishes \$24,000,000 as the amount required to reimburse the Army for 379 family housing units and associated property at Fort Sheridan, IL. The Navy will assume management responsibility for these units beginning in October 1993.

An October 1990 Memorandum of Understanding between Assistant Secretary of the Navy (Installations and Environment) and Deputy Assistant Secretary of the Army (Installations and Housing) sets forth the basic policy and guidance for conveyance of four Army "stand alone" housing sites. Under the agreement, the Navy assumed temporary management responsibility for the units October 1990. A permanent transfer of property will occur upon reimbursement to the Army. An 8 April 1991 memorandum from the Deputy Assistant Secretary of the Army (Installations and Housing) established values for the various "stand alone" housing sites. Because of the subsequent closure of the Navy's Davisville facility, we no longer need the units at North Kingston. Therefore, the Navy needs to reimburse the Army in the amount of \$3,870,000 for the units at Fairfield, CT, Old Bridge, NJ, and Holmdel, NJ.

1. COMPONENT Marine Corps	FY 19 94 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1 JUN 92
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP PENDLETON, CA		4. PROJECT TITLE FAMILY HOUSING	
5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-291	8. PROJECT COST (\$000) \$13,796

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
Family Housing:	FA	105	78810	8,275
Buildings	SF	143,250	57.77	(8,275)
Supporting Costs:				4,154
Paving and Site Improvements				(1,144)
Utilities				(1,533)
Landscaping				(459)
Recreation				(695)
Special Construction Features				(157)
Demolition				(0)
Fire Sprinklers/Range Hoods				(166)
Contingency (5%)				621
SIOH (6%)				746
Total Request				13,796
TOTAL PROJECT COST (ROUNDED)				13,796

10. DESCRIPTION OF PROPOSED CONSTRUCTION
Two story family housing units; wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities. Special construction features include seismic bracing and fire extinguishing systems.

	<u>Grade</u>	<u>Bedroom</u>	<u>Net Area</u>	<u>Project Factor</u>	<u>Unit Cost</u>	<u>No. Units</u>	<u>(\$000) Total</u>
	JEM	3	1200	1.133	\$51.00	40	\$2,774
	SEM	4	1450	1.133	\$51.00	55	\$4,608
	SEM	5	1550	1.133	\$51.00	10	\$ 896

11. REQUIREMENT: 9,359FA Adequate: 5,788FA Substandard: 0FA

Project: Provide 105 adequate family housing units for enlisted personnel.

Requirement: Adequate family housing for eligible personnel.

Current Situation: A current deficit of 2,041 adequate housing units

1. COMPONENT Marine Corps	FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 JUN 92
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP PENDLETON, CA		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-291
<u>Current Situation continued:</u> exists for enlisted personnel. Because of the increasing housing costs in the private sector, this deficit is projected to increase dramatically. There is an extreme shortage of affordable, suitable housing in the community. Plans for a new college campus in the market area will further reduce the number of homes available to the Marine family. <u>Impact if not Provided:</u> Failure to authorize this project will result in additional hardships and low quality of life for many of our Marine and their families. They will continue to live in inadequate quarters or be involuntarily separated. This will lead to decreased morale and have an adverse impact on readiness and mission accomplishment. Project design conforms to Part II of Military Handbook 1190, "Facilities Planning and Design Guide".		

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (FFMMDD) 820801		2. FISCAL YEAR 1994		REPORT CONTROL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT MARINE CORPS				4. REPORTING INSTALLATION							
				a. NAME MCB Camp Pendleton				b. LOCATION California			
5. DATA AS OF 1 JUN 92											
ANALYSIS OF REQUIREMENTS AND ASSETS				CURRENT				PROJECTED			
				OFFICER (e)	E3-E4 (f)	E3-E1 (g)	TOTAL (h)	OFFICER (e)	E3-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH				3192	17171	17750	38113	3420	21690	20839	45949
7. PERMANENT PARTY PERSONNEL				3086	16310	16860	36256	3283	17542	16854	37679
8. GROSS FAMILY HOUSING REQUIREMENTS				2285	11700	5836	19621	2079	10245	4886	17310
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)				481	2164	1718	4363				
a. INVOLUNTARILY SEPARATED				157	277	141	575				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED				0	0	0	0				
c. UNACCEPTABLY HOUSED- IN COMMUNITY				324	1887	1577	3788				
10. VOLUNTARY SEPARATIONS				81	1136	529	1746	89	886	377	1352
11. EFFECTIVE HOUSING REQUIREMENTS				2204	10564	5107	17875	1990	9359	4609	15958
12. HOUSING ASSETS (a+b)				1752	8523	3428	13703	1774	5788	1424	8986
a. UNDER MILITARY CONTROL				665	3836	670	5171	795	4383	854	6032
(1) Housed in Existing DOD Owned/Controlled				649	3771	658	5078	665	3836	670	5171
(2) Under Contract/Approved								130	547	184	861
(3) Vacant				13	55	12	80				
(4) Inactive				3	10	0	13				
b. PRIVATE HOUSING				1087	4687	2758	8532	979	1405	570	2954
(1) Acceptably Housed				1074	4629	2731	8434				
(2) Vacant Rental Housing				13	58	27	98				
13. EFFECTIVE HOUSING DEFICIT (11-12)				452	2041	1679	4172	216	3571	3185	6972
14. PROPOSED PROJECT								0	105	0	105
15. REMARKS											
Line 4: MCB Camp Pendleton is located approximately 35 miles north of San Diego, about 100 miles south of Los Angeles and is adjacent to the Pacific Ocean. The Camp Pendleton boundaries abut the City of San Clemente on the north, Oceanside and Carlsbad on the south and Vista and Fallbrook on the east. MCB Camp Pendleton's mission is to provide training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned; to conduct specialized schools and other training as directed. Lines 6 & 7: Projections show a significant increase in base loading. These projections include the impact of force reductions and restructuring. Line 12a(2): The 861 units include the 295 units approved in FY90, 116 units approved in FY91, 150 units approved in FY92, and the 300 units requested in the FY93 President's Budget. Line 13: Camp Pendleton has the largest Marine Corps deficit independent of restructuring, reduction, or Base realignment as projected by the May 1990 Market Analysis. Line 14: The 105 unit project satisfies 1.5% of the deficit and is well within the programming limit established by OSD guidance of 17 August 1990 (90% of effective housing deficit). <u>Project Composition</u> 105 Enlisted 40 3-bedroom JEM 55 4-bedroom SEM 10 5-bedroom SEM 105 Total Units											

15-Sep-92

JOD FAMILY HOUSING COST MODEL

SERVICE: MARINE CORPS

LOCATION: MCB CAMP PENDLETON, CA
YEAR: FY 94

BASELINE:

				(\$000)
	105	1,364	51	7,304
# OF UNITS		AVE NET SF	\$/NSF	5' LINE

PROJECT FACTORS:

1.18	1	0.96	1.133
ACF	PROJ SIZE FACTOR	UNIT SIZE FACTOR	PROJ FAC

HOUSING COST:

7,304	1.133	8,275
5' LINE COST	PROJECT FACTOR	HSG COST
8,275	105	78.81
HSG COST	UNITS	AVE UNIT

SUPPORTING COST:

PAVING AND SITE IMPROVEMENTS	1,144
UTILITIES	1,533
LANDSCAPING	459
RECREATION	695
SPECIAL CONSTRUCTION FEATURES	157
DEMOLITION	0
FIRE SPRINKLERS/RANGE HOODS	166

SUPPORT COST:	4,154

SUMMARY:

	8,275	4,154	12,429
	HSG COST	SUPPORT COST	SUBTOTAL
12,429	621	746	13,796
SUBTOTAL	CONTINGENCY	SIOH	PROJ TOTAL
13,796	105	1,545	85.04
PROJECT COST	# UNITS	ANSP*PROJ FAC	PROJ \$/NSF

COMPOSITION

JEM 2(0)	SEM 2(0)	CGO 3 (0)	SO 4 (0)	143,250
JEM 3(40)	SEM 3(0)	CGO 4 (0)	ICSO4 (0)	1,364
JEM 4(0)	SEM 4(55)	CGO 5 (0)	GO 4 (0)	
JEM 5(0)	SEM 5(10)	FGO 3 (0)	ICGO4 (0)	
	CGO 2(0)	FGO 4 (0)		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA				2. DATE																													
3. INSTALLATION AND LOCATION PWC SAN DIEGO, CA				4. PROJECT TITLE FAMILY HOUSING																															
5. PROGRAM ELEMENT		6. CATEGORY CODE 711		7. PROJECT NUMBER H-254		8. PROJECT COST (\$000) 44,571																													
9. COST ESTIMATES																																			
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)																												
Family Housing:				FA	410	61,924	25,389																												
Buildings				SF	429,500	56.79	(24,393)																												
Fire Sprinklers				SF	429,500	2.32	(996)																												
Supporting Costs:							14,657																												
Paving & Site Improvements							(5,953)																												
Utilities							(5,714)																												
Landscaping							(1,385)																												
Recreation							(500)																												
Special Construction Features							(272)																												
Demolition							(833)																												
Subtotal							40,046																												
Contingency (5%)							2,002																												
Total Contract Cost							42,048																												
Supervision, Inspection, & Overhead (6%)							2,523																												
Total Request							44,571																												
10. DESCRIPTION OF PROPOSED CONSTRUCTION																																			
The units will be two story family housing units: wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing, and recreational facilities. <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;">Grade</th> <th style="text-align: left;">Bedroom</th> <th style="text-align: left;">Net Area</th> <th style="text-align: left;">Project Factor</th> <th style="text-align: left;">Unit Cost</th> <th style="text-align: left;">No. Units</th> <th style="text-align: left;">(\$000) Total</th> </tr> </thead> <tbody> <tr> <td>JEM</td> <td>2</td> <td>950</td> <td>1.1136</td> <td>\$51.00</td> <td>250</td> <td>13,489</td> </tr> <tr> <td>JEM</td> <td>3</td> <td>1200</td> <td>1.1136</td> <td>\$51.00</td> <td>160</td> <td>10,904</td> </tr> <tr> <td colspan="5"></td> <td style="text-align: right; border-top: 1px solid black;">410</td> <td style="text-align: right; border-top: 1px solid black;">24,393</td> </tr> </tbody> </table> <u>Project:</u> Construction of 310 adequate new and 100 replacement family housing units for junior enlisted personnel.								Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total	JEM	2	950	1.1136	\$51.00	250	13,489	JEM	3	1200	1.1136	\$51.00	160	10,904						410	24,393
Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total																													
JEM	2	950	1.1136	\$51.00	250	13,489																													
JEM	3	1200	1.1136	\$51.00	160	10,904																													
					410	24,393																													

1. COMPONENT NAVY		2 DATE	
FY 19 ⁸⁴ MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION PWC SAN DIEGO, CA			
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-254	
<u>Requirement:</u> Adequate family housing is needed for married personnel. This project includes the first of three phases to replace the 810 Bayview units which have been determined to be structurally unsound. The first phase involves demolition and replacement of 100 units. The economic analysis has been prepared comparing the alternatives of status quo, revitalization, and replacement construction. Replacement construction is the recommended alternative as it corrects current deficiencies and provides modernized energy efficient housing. This project includes community recreational facilities and expanded common open spaces reflecting the Navy's Neighborhoods of Excellence concepts. Recreational facilities include tot lots, jogging paths, and playing courts/fields in accordance with MIL-HDBK-1035. <u>Current Situation:</u> Existing housing in the Bayview Housing Area at San Diego is structurally unsound. The units were built in 1947 as a low income housing project, acquired by the Navy in 1953 as family housing. The units are undersized, do not meet minimum standards for numbers of bathrooms and have a poor unit design for livability. The units have extensive deterioration of the electrical wiring and distribution system, sewer systems have failed, roofs are worn out, interior layout is poor, have minimal insulation and no energy conservation features. The projected family housing deficit in San Diego is the largest in the Navy. Although there is a projected decline in personnel due to planned force structure reductions the housing deficit is expected to be about 9,700 in 1997. The current inventory of almost 7,000 units satisfies less than 21 percent of the family housing requirement. Despite aggressive housing referral service efforts to maximize the Navy's share of available adequate community housing, there is a huge waiting list for Navy housing approximately 7,000 families who face waiting times ranging from 19 to 36 months. The most critical need is for two, three, and four bedroom units for junior enlisted families. The local community's inability to provide sufficient adequate and affordable housing for Navy families continues to be a major concern. Vacancy rates are low and a substantial number of rental assets are seasonal and high cost, and out of reach for most of our junior enlisted personnel. The average sale price of \$197,000 is also beyond the reach of most enlisted and junior officer families. Cost continues to undermine the local community's ability to supply affordable housing to more Navy families. <u>Impact If Not Provided:</u> Military members will be forced to choose between involuntary separation from their families or accepting housing that is unaffordable or unsuitable. Either choice will likely lead to dissatisfaction with the Navy. Retention of quality personnel will be adversely impacted. Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide. Necessary coordination with the school district is in progress.			

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PAGE NO.

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DOD FAMILY HOUSING COST MODEL

SERVICE: DON LOCATION: NC SAN DIEGO O'SEAS: N YEAR: (94)
(Y/N?)

BASELINE: (\$000)
(410)(1048)(51) = \$ 21,905
(# OF UNITS)(AVE NET SF)(\$/NSF) = 5' LINE

PROJECT FACTORS:
(1.16)(0.98)(1.00) = 1.1136
(ACF)(PROJ SIZE FAC)(UNIT SIZE FAC) = PROJ FAC

HOUSING COST:
(\$21,905)(1.1136) = \$ 24,393
(5' LINE COST)(PROJ FAC) = HSG COST
(\$2)(1.16)(410) = \$ 996
(/UNIT SPRINK)(ACF)(UNITS) = T. SPRINKLERS
(\$0)(1.16)(410) = \$ 0
(/UNIT SOLAR)(ACF)(UNITS) = T. SOLAR
(\$24,393)(\$996)(410) = 62.00
(HSG COST)(SOL/SPR COST)(UNITS) = AVE UNIT

SUPPORTING COST:
PAVING AND SITE IMPROVEMENTS 5,953
UTILITIES 5,714
LANDSCAPING 1,385
RECREATION 500
SPECIAL CONSTRUCTION FEATURES 272
OTHER FACILITIES 0
DEMOLITION 833

32.9 % OF TOTAL HOUSE COST SUPPORT COST: \$ 14,657

SUMMARY:
(\$24,393)(\$996)(\$14,657) = 40,046
(HSG COST)(SOL/SPR COST)(SUPPORT COST) = SUBTOTAL
(\$40,046)(\$2,002)(\$2,523) = 44,571
(SUBTOTAL)(CONTINGENCY)(SIOH) = PROJ TOTAL
ROUND: 44,571
(\$44,571)(410)(1167) = 993
(PROJ COST)(UNITS)(ANSF*PROJ FAC) = PROJ \$/NSF

PROJECT SIZE FACTOR (# OF UNITS)	UNIT SIZE FACTOR (AVE NSF)
1 - 9 = 1.15	600 - 749 = 1.05
10 - 19 = 1.10	750 - 849 = 1.03
20 - 49 = 1.05	850 - 949 = 1.01
50 - 99 = 1.02	950 - 1050 = 1.00
100 - 199 = 1.00	1051 - 1150 = 0.99
200 - 299 = 0.98	1151 - 1250 = 0.98
300 - 499 = 0.96	1251 - 1350 = 0.97
500+ = 0.95	1351+ = 0.96

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD) 920822		2. FISCAL YEAR 1994		REPORT CONTROL SYMBOL DD-A&L(AR)1716	
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION					
		a. NAME			b. LOCATION		
5. DATA AS OF 15 JAN 92		NAVAL COMPLEX SAN DIEGO			CALIFORNIA		

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (e)	EB-E4 (f)	ES-E1 (g)	TOTAL (h)	OFFICER (e)	EB-E4 (f)	ES-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	11177	62948	41653	115778	9689	54232	37835	101758
7. PERMANENT PARTY PERSONNEL	9142	55170	22582	86894	8567	46033	18553	73153
8. GROSS FAMILY HOUSING REQUIREMENTS	6024	37047	5174	48245	5500	30533	4097	40130
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	733	9205	2028	11966				
a. INVOLUNTARILY SEPARATED	47	1282	899	2228				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	812	0	812				
c. UNACCEPTABLY HOUSED- IN COMMUNITY	686	7111	1129	8926				
10. VOLUNTARY SEPARATIONS	241	3953	1285	5480	220	3258	1002	4480
11. EFFECTIVE HOUSING REQUIREMENTS	5783	33094	3909	42786	5280	27275	3095	35650
12. HOUSING ASSETS (a+b)	5083	24058	1884	31035	4016	20889	934	25839
a. UNDER MILITARY CONTROL	570	5834	49	6453	566	3611	0	7177
(1) Housed in Existing DOD Owned/Controlled	558	5680	49	6287	566	5887	0	6453
(2) Under Contract/Approved					0	724	0	724
(3) Vacant	12	154	0	166				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	4523	18224	1835	24582	3450	14278	934	18662
(1) Acceptably Housed	4492	18208	1832	24533				
(2) Vacant Rental Housing	31	15	3	49				
13. EFFECTIVE HOUSING DEFICIT (11-12)	690	9036	2025	11751	1264	6386	2161	9811
14. PROPOSED PROJECT					0	410	0	410
15. REMARKS								
Lines 6 & 7. Projections show significant decline in base loading numbers due to planned force reductions. Reductions are predominantly host/tenant and large ships. Line 9b. 812 units in the Bayview housing area are beyond economic repair & are scheduled for replacement during POM94. Line 12a. Military assets exclude the 812 Bayview units slated for replacement during POM94. Line 12a(2). The 724 units represent the 408 unit FY92 project, the 300 unit FY93 project, plus 16 units carried over from the FY91 project. Line 12b. The April 92 Naval Complex San Diego market analysis projects that the Navy's share of suitable community assets will decline. Housing allowances will not likely keep pace with the 5% annual increase in housing costs projected through 1996. Projected community assets are taken from Tables 4-5/4-6 on pages 4-10/4-12 of the analysis. Line 14. The 410 unit project satisfies 4.2% of the deficit and is well within the programming limit established by OSD guidance of 17 Aug 90 (build up to 90% of effective housing deficit). <u>Project Composition</u> 410 Enlisted Units 250 2-bedroom JEM 160 3-bedroom JEM — 410 Total Units CURRENT DATA = FY92. PROJECTED DATA = FY97. PROJECTIONS REFLECT PERSONNEL REDUCTIONS OVER FYDP.								

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA				2. DATE																													
3. INSTALLATION AND LOCATION NAVAL DISTRICT WASHINGTON, DC				4. PROJECT TITLE FAMILY HOUSING																															
5. PROGRAM ELEMENT		6. CATEGORY CODE 711		7. PROJECT NUMBER H-108		8. PROJECT COST (\$000) 40,100																													
9. COST ESTIMATES																																			
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)																												
Family Housing:				FA	396	55,833	22,110																												
Buildings				SF	413,200	51.41	(21,242)																												
Fire Sprinklers				SF	413,200	2.10	(868)																												
Supporting Costs:							13,917																												
Paving & Site Improvements							(5,237)																												
Utilities							(5,045)																												
Landscaping							(1,201)																												
Recreation							(432)																												
Special Construction Features							(240)																												
Community Center/Project Office				SF	7,780	109.66	(853)																												
Family Welcome Center				SF	8,000	113.58	(909)																												
Subtotal							36,027																												
Contingency (5%)							<u>1,801</u>																												
Total Contract Cost							37,828																												
Supervision, Inspection, & Overhead (6%)							<u>2,270</u>																												
Total Request							40,098																												
Total (Rounded)							40,100																												
10. DESCRIPTION OF PROPOSED CONSTRUCTION																																			
The junior enlisted units will be two story family housing units; wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing, & recreational facilities. <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Grade</th> <th style="width: 15%;">Bedroom</th> <th style="width: 15%;">Net Area</th> <th style="width: 15%;">Project Factor</th> <th style="width: 15%;">Unit Cost</th> <th style="width: 10%;">No. Units</th> <th style="width: 10%;">(\$000) Total</th> </tr> </thead> <tbody> <tr> <td>JEM</td> <td>2</td> <td>950</td> <td>1.0080</td> <td>\$51.00</td> <td>248</td> <td>12,112</td> </tr> <tr> <td>JEM</td> <td>3</td> <td>1200</td> <td>1.0080</td> <td>\$51.00</td> <td>148</td> <td>9,130</td> </tr> <tr> <td colspan="5"></td> <td style="border-top: 1px solid black;">396</td> <td style="border-top: 1px solid black;">21,242</td> </tr> </tbody> </table>								Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total	JEM	2	950	1.0080	\$51.00	248	12,112	JEM	3	1200	1.0080	\$51.00	148	9,130						396	21,242
Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total																													
JEM	2	950	1.0080	\$51.00	248	12,112																													
JEM	3	1200	1.0080	\$51.00	148	9,130																													
					396	21,242																													
11. <u>REQUIREMENT:</u>																																			
<u>Project:</u> Replacement of the 396 Bellevue housing area and construction of a Community Center/Project Site Office. Construct a Family Welcome Center to support Naval District Washington.																																			

1. COMPONENT NAVY	2. DATE
FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL DISTRICT WASHINGTON WASHINGTON, DC	
4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER H-108

Requirement: This project will provide 396 units of replacement housing along with a Community Center/Project Site Office. The Community Center will have multi-purpose areas for meetings, community events and town meetings. The Project Site Office will provide a small area for the Bellevue housing inspectors and for a Self Help Store. The project also includes a Family Welcome Center. The need for this Welcome Center results from the establishment of a Public Works Center (PWC) Washington that will be implemented 1 October 1992. The PWC will be organized as a central Headquarters/Administrative operation with decentralized field operations. This consolidates all family housing in the National Capital Region (NCR) under the Naval District of Washington (NDW). NDW will centrally manage all Navy owned family housing units within a 30 mile radius of the Pentagon. This increased responsibility will require a significant growth in the size of the housing staff. The existing facility is approximately one-half of the space which will be required to operate the Family Welcome Center efficiently and in a professional manner. This project includes community recreational facilities and expanded common open spaces reflecting the Navy's Neighborhoods of Excellence concepts. Recreational facilities include tot lots, jogging paths, and playing courts/fields in accordance with MIL-HDBK-1035.

Current Situation: The 396 substandard family housing units at Bellevue will be demolished to provide a 61 acre parcel of land for replacement construction of family housing. The demolition requires removal of asbestos materials and inadequate infrastructure and is scheduled to begin in late summer 1993. The existing NDW housing office is old and much too small to provide quality services to military families to be served under the NCR consolidation. There is an extreme shortage of affordable, suitable housing in the Washington, DC area for enlisted personnel. Rental rates and the cost of for-sale housing in the region are beyond the reach of most enlisted personnel and junior officers.

Impact If Not Provided: If replacement units are not provided for the Bellevue area, a severe shortage of available housing for junior enlisted personnel will exist. Adequate, affordable, private sector housing for junior enlisted personnel is limited in the metropolitan area. If the existing NDW family housing office is not replaced, the housing staff which takes care of incoming and departing families will be unable to provide essential housing services. Efficiency and customer satisfaction will benefit by collocating all housing functions at a one-stop-shop.

Design efforts will conform to Part II of Military Handbook 1190, "Facilities Planning and Design Guide".

DOD FAMILY HOUSING COST MODEL

SERVICE: DON LOCATION: NDW O'SEAS: N YEAR: (94)
(Y/N7)

BASELINE: (\$000)
(396)(1043)(51) = \$ 21,073
(# OF UNITS)(AVE NET SF)(\$/NSF) = 5' LINE

PROJECT FACTORS:
(1.05)(0.96)(1.00) = 1.0080
(ACF)(PROJ SIZE FAC)(UNIT SIZE FAC) = PROJ FAC

HOUSING COST:
(\$21,073)(1.0080) = \$ 21,242
(5' LINE COST)(PROJ FAC) = HSG COST
(\$2)(1.05)(396) = \$ 868
(/UNIT SPRINK)(ACF)(UNITS) = T. SPRINKLERS
(\$0)(1.05)(396) = \$ 0
(/UNIT SOLAR)(ACF)(UNITS) = T. SOLAR
(\$21,242)(\$868)(396) = 56.00
(HSG COST)(SOL/SPR COST)(UNITS) = AVE UNIT

SUPPORTING COST:
PAVING AND SITE IMPROVEMENTS 5,237
UTILITIES 5,045
LANDSCAPING 1,201
RECREATION 432
SPECIAL CONSTRUCTION FEATURES 240
OTHER FACILITIES 1,762
DEMOLITION 0

34.7 % OF TOTAL HOUSE COST SUPPORT COST: \$ 13,917

SUMMARY:
(\$21,242)(\$868)(\$13,917) = 36,027
(HSG COST)(SOL/SPR COST)(SUPPORT COST) = SUBTOTAL
(\$36,027)(\$1,801)(\$2,270) = 40,098
(SUBTOTAL)(CONTINGENCY)(SIOH) = PROJ TOTAL

ROUND: 40,100

(\$40,098)(396)(1052) = \$96
(PROJ COST)(UNITS)(ANSF*PROJ FAC) = PROJ \$/NSF

PROJECT SIZE FACTOR
(# OF UNITS)

1 - 9 = 1.15
10 - 19 = 1.10
20 - 49 = 1.05
50 - 99 = 1.02
100 - 199 = 1.00
200 - 299 = 0.98
300 - 499 = 0.96
500+ = 0.95

UNIT SIZE FACTOR
(AVE NSF)

600 - 749 = 1.05
750 - 849 = 1.03
850 - 949 = 1.01
950 - 1050 = 1.00
1051 - 1150 = 0.99
1151 - 1250 = 0.98
1251 - 1350 = 0.97
1351+ = 0.96

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD) 820615		2. FISCAL YEAR 1994		REPORT CONTROL SYMBOL DD-A&L(AR)1716											
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION															
		a. NAME		b. LOCATION													
5. DATE/ 3 OF 15 JAN		NAVAL DISTRICT WASHINGTON		WASHINGTON, DC													
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED											
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)								
6. TOTAL PERSONNEL STRENGTH		8528	8019	2362	18909	7706	7507	2223	17436								
7. PERMANENT PARTY PERSONNEL		8363	7843	2257	18463	7521	7324	2111	16956								
8. GROSS FAMILY HOUSING REQUIREMENTS		6144	5250	432	11826	5744	4929	490	11163								
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		1198	1181	336	2715												
a. INVOLUNTARILY SEPARATED		69	120	45	234												
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	124	272	396												
c. UNACCEPTABLY HOUSED- IN COMMUNITY		1129	937	19	2085												
10. VOLUNTARY SEPARATIONS		261	531	66	858	244	498	75	817								
11. EFFECTIVE HOUSING REQUIREMENTS		5883	4719	366	10968	5500	4431	415	10346								
12. HOUSING ASSETS (a+b)		4727	3600	131	8458	4754	3986	131	8871								
a. UNDER MILITARY CONTROL		343	981	0	1324	369	1319	0	1688								
(1) Housed in Existing DOD Owned/Controlled		301	919	0	1220	269	1005	0	1274								
(2) Under Contract/Approved						100	314	0	414								
(3) Vacant		42	62	0	104												
(4) Inactive		0	0	0	0												
b. PRIVATE HOUSING		4384	2619	131	7134	4385	2667	131	7183								
(1) Acceptably Housed		4384	2619	92	7095												
(2) Vacant Rental Housing		0	0	39	39												
13. EFFECTIVE HOUSING DEFICIT (11-12)		1156	1119	235	2510	746	445	284	1475								
14. PROPOSED PROJECT						0	284	112	396								
15. REMARKS																	
Block 4. Primary responsibilities are to maintain & operate facilities & provide specified personnel & logistic support for over 18,500 permanent & transient military personnel within the National Capital Region. COMNAVDISTWASH is under the immediate command authority of the CNO, & represents the Secretary of the Navy in public & diplomatic functions. Lines 6 & 7. Projections show a decline in base loading due to force reductions. Line 12a. Current military assets include 50 short-term domestic leases. Line 12a(2). The 414 units represent the Summerfield Section 801 units. The contract was awarded in FY91. Line 14. The proposed project is the second phase in the Navy's plans to replace the 396 units at Bellevue. First phase was a FY92 demolition project. The project replaces 249 substandard units & 147 adequate units which are beyond economic repair.																	
<u>Project Composition</u> <table> <tr> <td>396 Enlisted Units</td> <td>248 2-bedroom JEM</td> </tr> <tr> <td></td> <td>148 3-bedroom JEM</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td colspan="2">396 Total Units</td> </tr> </table>										396 Enlisted Units	248 2-bedroom JEM		148 3-bedroom JEM			396 Total Units	
396 Enlisted Units	248 2-bedroom JEM																
	148 3-bedroom JEM																
396 Total Units																	
CURRENT DATA = FY92. PROJECTED DATA = FY97. PROJECTIONS REFLECT PERSONNEL REDUCTIONS OVER FY97.																	

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE
3. INSTALLATION AND LOCATION PWC PENSACOLA, FL		4. PROJECT TITLE SELF HELP/WAREHOUSE		
5. PROGRAM ELEMENT	6. CATEGORY CODE 714	7. PROJECT NUMBER H-219	8. PROJECT COST (\$000) 300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
Self Help/Warehouse	SF	6,000	39.50	237
Supporting Costs	LS			<u>36</u>
Subtotal				273
Contingency (5%)				<u>14</u>
Total Contract Cost				287
Supervision, Inspection & Overhead (6%)				<u>17</u>
Total Request				304
Total Request (Rounded)				300
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct detached metal frame or masonry structure on concrete slab for storage and issue of self help items. Space is included for storage of appliances and furnishings for family housing units. Facility includes heating, cooling and humidity equipment required by local practice.				
11. REQUIREMENT: <u>Project:</u> Construct a warehouse for storage and issue of self help items, and provide an area to store family housing appliances and furnishings. <u>Requirement:</u> This facility will provide a large building for storing and issuing self help items. A section of the warehouse will be dedicated to storage of appliances and furnishings. The building will be conveniently located for deliveries. Inventory control will be facilitated once appliances and furnishings are centrally located. <u>Current Situation:</u> Two leased trailers serve as temporary storage facilities for family housing. This interim arrangement is not only expensive, but storage space is inadequate. The severely limited storage capacity impedes implementation of a full service Self Help Store. It also results in an inadequate supply of replacement appliances and furnishings for the family housing inventory.				

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PWC PENSACOLA, FL		
4. PROJECT TITLE SELF HELP/WAREHOUSE	5. PROJECT NUMBER H-219	
<u>Impact If Not Provided:</u> Limited storage will continue to result in an inadequate on-hand supply of appliances and furnishings, and will cause further delays in acquiring replacement appliances for Pensacola family housing. Self Help will continue to maintain an inadequate supply of loaner and replacement items. Failure to provide adequate facilities will adversely affect quality of life, and will be detrimental to instilling pride-of-ownership attitudes among the residents. Additionally, failure to provide a full service Self Help Store will result in increased budget requirements for maintenance which could otherwise be accomplished by residents on a self help basis. Expensive leasing fees will continue to be paid for the trailers, and the possibility exists that additional trailers will have to be leased. Project conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE KINGS BAY, GA				4. PROJECT TITLE WELCOME CENTER/SELF HELP		
5. PROGRAM ELEMENT		6. CATEGORY CODE 714	7. PROJECT NUMBER H-226		8. PROJECT COST (\$000) 790	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
Welcome Center/Self Help/Warehouse			SF	10,100	60.68	613
Supporting Costs			LS			95
Subtotal						708
Contingency (5%)						35
Total Contract Cost						743
Supervision, Inspection & Overhead (6%)						45
Total Request						788
Total Request (Rounded)						790
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Detached permanent type construction with visitor/staff parking and landscaping. Functions include reception/waiting areas, children's play area, counseling rooms, conference/training room, staff offices and lounge, rest rooms, file and storage area, and janitorial space. Space is included for storage and issue of self help items, and for warehouse and issuing government provided appliances and furnishings.						
11. REQUIREMENT:						
<u>Project:</u> This project will construct a single story building which will consist of a Family Housing Welcome Center, Self Help Store and Furnishings Warehouse. The project includes adequate utilities, site improvements and parking. <u>Requirement:</u> A single facility is required to provide support and services to military families attached to NSB Kings Bay. This project will provide a centrally located facility which will include a Family Welcome Center, a Self Help Store and Furnishings Warehouse.						

1. COMPONENT NAVY	FY 19__94 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE KINGS BAY, GA		
4. PROJECT TITLE WELCOME CENTER/SELF HELP/WAREHOUSE	5. PROJECT NUMBER H-226	
<u>Current Situation:</u> Beginning in FY-93, the family housing staff is being forced out of their existing office space. They will be temporarily relocated to a facility which is approximately one-half of the required administrative space. Current Self Help and warehouse facilities are inadequate. The severely limited storage capacity impedes implementation of a full service Self Help Store. It also results in an inadequate supply of replacement appliances and furnishings for the family housing inventory. <u>Impact If Not Provided:</u> With the forced relocation of the housing staff to inadequate administrative space, military families will be served in an unprofessional atmosphere. The housing staff will struggle to perform their jobs effectively and efficiently under cramped working conditions. Limited storage will continue to result in an inadequate on-hand supply of appliances and furnishings, and will cause further delays in acquiring replacement appliances for Kings Bay family housing. Self Help will continue to maintain an inadequate supply of loaner and replacement items. Failure to provide adequate facilities will adversely affect quality of life, and will be detrimental to instilling pride-of-ownership attitudes among the residents. Additionally, failure to provide a full service Self Help Store will result in increased budget requirements for maintenance which could otherwise be accomplished by residents on a self help basis. Project conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide."		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAS BRUNSWICK, ME			4. PROJECT TITLE MOBILE HOME SPACES			
5. PROGRAM ELEMENT		6. CATEGORY CODE 713	7. PROJECT NUMBER H-211		8. PROJECT COST (\$000) 490	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
Mobile Home Spaces			SF	20	18,000	360
Supporting Costs			LS			82
Subtotal						442
Contingency (5%)						22
Total Contract Cost						464
Supervision, Inspection & Overhead (6%)						28
Total Request						492
Total Request (Rounded)						490
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Construct permanent stations for locating privately-owned single and double wide manufactured housing (Mobile Home) units. Scope of individual spaces includes provision of utility services, tie downs, parking patios, exterior storage units, and landscaping. Project scope shall include paved streets, sidewalks and a recreation area.						
11. <u>REQUIREMENT:</u>						
<u>Project:</u> Construct 20 additional mobile home park spaces adjacent to present site.						
<u>Requirement:</u> This project will provide an alternative for enlisted members and their families. It will help to shorten the waiting for time for the 20 existing mobile home park spaces.						
<u>Current Situation:</u> Currently lower graded enlisted personnel waiting for military housing are forced to choose between substandard housing or living apart from their families. The availability of mobile home lots for rent in the private sector is still scarce, especially for those members who already own a mobile home. This situation eliminates a good source of affordable housing for our junior personnel. Local entrance fees continue to increase, remain non-refundable, and monthly lot rents are increasing. The current waiting time for existing lots is 6-12 months.						

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAS BRUNSWICK, ME			
4. PROJECT TITLE MOBILE HOME SPACES		5. PROJECT NUMBER H-211	
<u>Impact If Not Required:</u> Failure to provide this mobile home park will result in continued long waiting lists. Lower graded enlisted members will be forced to choose between involuntary separation from their families or accepting housing that is unaffordable or unsuitable. Retention and morale of quality personnel will be adversely impacted. Project conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide."			

1. COMPONENT NAVY		FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
3. INSTALLATION AND LOCATION PWC NORFOLK/NAB LITTLE CREEK, VA				4. PROJECT TITLE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE 711		7. PROJECT NUMBER H-258		8. PROJECT COST (\$000) 58,060	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
Family Housing:				FA	404	58,213	23,518
Buildings				SF	516,520	43.69	(22,568)
Fire Sprinklers				SF	516,520	1.84	(950)
Supporting Costs:							28,648
Paving & Site Improvements							(7,450)
Utilities							(5,517)
Landscaping							(1,277)
Recreation							(460)
Special Construction Features							(255)
Demolition							(11,765)
Community Center/Project Office				SF	7,200	109.50	(788)
Family Welcome Center				SF	10,000	113.62	(1,136)
Subtotal							52,166
Contingency (5%)							2,608
Total Contract Cost							54,774
Supervision, Inspection, & Overhead (6%)							3,286
Total Request							58,060
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
The junior enlisted units will be two story family housing units & the officer units will be one story ranch style; wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing, & recreational facilities.							
Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total	
JEM	2	950	.8567	\$51.00	25	1,038	
JEM	3	1200	.8567	\$51.00	175	9,175	
JEM	4	1350	.8567	\$51.00	175	10,322	
JEM	5	1550	.8567	\$51.00	25	1,693	
SO	4	1700	.8567	\$51.00	1	74	
ICQ	4	1870	.8567	\$51.00	1	82	
FO	4	2100	.8567	\$51.00	2	184	
					404	22,568	
11. REQUIREMENT:							
Project: Demolish 608 deteriorated, substandard family housing units at Ben Moreell and replace with 400 units. Replace 4 units at Little Creek. Demolition includes removal of asbestos materials and underground storage tanks. Construct a Community Center and a Family Welcome Center.							

1. COMPONENT NAVY	2. DATE FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION PWC NORFOLK/NAB LITTLE CREEK, VA	
4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER H-258
<u>Requirement:</u> This project demolishes existing units determined to be structurally unsound, and replaces at a lower density. The economic analysis has been prepared comparing the alternatives of status quo, revitalization, and replacement construction. Replacement construction is the recommended alternative as it corrects current deficiencies and provides modernized energy efficient housing. This project includes community recreational facilities and expanded common open spaces reflecting the Navy's Neighborhoods of Excellence concepts. Recreational facilities include tot lots, jogging paths, and playing courts/fields in accordance with MIL-HDBK-1035. A community center and an one-stop-shop Family Welcome Center are included in the replacement project. <u>Current Situation:</u> Existing housing at Ben Moreell is structurally unsound. Units are failing at the rate of six to eight per month. Failures of occupied units include collapsed plaster ceilings, severe water and termite damage, and sewer and gas leaks. 400 hundred units will replace the existing 608 substandard units to bring site density into compliance with family housing standards. The housing area currently does not have a community center. The area is the site of a housing office which supports approximately one-half of the housing staff. The office is a housing unit converted to administrative space. The remainder of the housing staff is located in a temporary lease facility located at Janaf Shopping Center. The lease is up at the end of FY-95. The four officer units at Little Creek are structurally unsound and pose fire and safety hazards. The electrical wiring is severely deteriorated. Replacement wiring is cost prohibitive. The units experience frequent roofing and heating system failures. The Little Creek replacement units are billet quarters. <u>Impact If Not Provided:</u> If replacement units are not provided for the Ben Moreell area, a severe shortage of available housing for junior enlisted personnel will exist. Adequate, affordable, private sector housing for junior enlisted personnel is limited in the metropolitan area. This is particularly true for large bedroom units. If current administrative facilities are not replaced, the housing staff which services incoming and departing families will continue to be split between the existing office at Ben Moreell and the Janaf Office. The lease at Janaf expires the end of FY-95. Efficiency and customer satisfaction will benefit by collocating these housing functions at a one-stop-shop. Failure to replace the four billet quarters will result in flags and senior officers displacing field grade officers in order to live on base. The field grade units will require significant improvements to accommodate the entertainment requirements associated with the billet positions. Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".	

DOD FAMILY HOUSING COST MODEL

SERVICE: DON LOCATION: NC NORFOLK/LCREEK O'SEAS: N YEAR: (94)
(Y/N?)

BASELINE: (\$000)
(404) (1279) (51) = \$ 26,343
(# OF UNITS) (AVE NET SF) (\$/NSF) = \$' LINE

PROJECT FACTORS:
(0.92) (0.96) (0.97) = 0.8567
(ACF) (PROJ SIZE FAC) (UNIT SIZE FAC) = PROJ FAC

HOUSING COST:
(\$26,343) (0.8567) = \$ 22,568
(5' LINE COST) (PROJ FAC) = HSG COST

(\$2) (0.92) (404) = \$ 950
(/UNIT SPRINK) (ACF) (UNITS) = T. SPRINKLERS

(\$0) (0.92) (404) = \$ 0
(/UNIT SOLAR) (ACF) (UNITS) = T. SOLAR

(\$22,568) + (\$950) (404) = 58.00
(HSG COST) + (SOL/SPR COST) (UNITS) = AVE UNIT

SUPPORTING COST:
PAVING AND SITE IMPROVEMENTS 7,450
UTILITIES 5,517
LANDSCAPING 1,277
RECREATION 460
SPECIAL CONSTRUCTION FEATURES 255
OTHER FACILITIES 1,924
DEMOLITION 11,765

49.3 % OF TOTAL HOUSE COST SUPPORT COST: \$ 28,648

SUMMARY:
(\$22,568) + (\$950) + (\$28,648) = 52,166
(HSG COST) + (SOL/SPR COST) + (SUPPORT COST) = SUBTOTAL

(\$52,166) + (\$2,608) + (\$3,286) = 58,060
(SUBTOTAL) + (CONTINGENCY) + (SIOH) = PROJ TOTAL

ROUND: 58,060

(\$58,060) (404) (1095) = \$131
(PROJ COST) (UNITS) (ANSF*PROJ FAC) = PROJ \$/NSF

PROJECT SIZE FACTOR (# OF UNITS)	UNIT SIZE FACTOR (AVE NSF)
1 - 9 = 1.15	600 - 749 = 1.05
10 - 19 = 1.10	750 - 849 = 1.03
20 - 49 = 1.05	850 - 949 = 1.01
50 - 99 = 1.02	950 - 1050 = 1.00
100 - 199 = 1.00	1051 - 1150 = 0.99
200 - 299 = 0.98	1151 - 1250 = 0.98
300 - 499 = 0.96	1251 - 1350 = 0.97
500+ = 0.95	1351+ = 0.96

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 920813	2. FISCAL YEAR 1994	REPORT CONTROL SYMBOL DD-A&L(AR)1716

3. DOD COMPONENT NAVY	4. REPORTING INSTALLATION	
	a. NAME	b. LOCATION
5. DATA AS OF 15 JAN 92	NAVAL COMPLEX NORFOLK	VIRGINIA

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	11854	63658	28666	104178	10625	57950	24580	93155
7. PERMANENT PARTY PERSONNEL	10360	61018	25003	96381	9131	54599	20926	84656
8. GROSS FAMILY HOUSING REQUIREMENTS	7514	41699	6498	55711	6601	37095	5057	48753
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	416	5028	2132	7576				
a. INVOLUNTARILY SEPARATED	86	813	1021	1920				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	4	990	608	1602				
c. UNACCEPTABLY HOUSED- IN COMMUNITY	326	3225	503	4054				
10. VOLUNTARY SEPARATIONS	373	3961	1178	5512	328	3524	917	4769
11. EFFECTIVE HOUSING REQUIREMENTS	7141	37738	5320	50199	6273	33571	4140	43984
12. HOUSING ASSETS (a+b)	6850	32661	4491	44002	6226	29909	3737	39872
a. UNDER MILITARY CONTROL	545	3720	0	4265	545	3720	0	4265
(1) Housed in Existing DOD Owned/Controlled	519	3475	0	3994	545	3720	0	4265
(2) Under Contract/Approved					0	0	0	0
(3) Vacant	26	245	0	271				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	6305	28941	4491	39737	5681	26189	3737	35607
(1) Acceptably Housed	6210	28746	3796	38752				
(2) Vacant Rental Housing	95	195	695	985				
13. EFFECTIVE HOUSING DEFICIT (11-12)	291	5077	829	6197	47	3662	403	4112
14. PROPOSED PROJECT					4	400	0	404

15. REMARKS
Line 9b. 208 units are scheduled for demolition at Ben Morrell. Units scheduled for replacement include 400 additional units at Ben Morrell, 4 units at Little Creek, 600 units at Carper, and 390 units at Hewitt Farms.

Line 12a. Military assets exclude the 208 units scheduled for demolition and the 1394 units beyond economic repair which are slated for replacement during POM94.

Line 12b. The Apr 92 Family Housing Market Analysis (FHMA) for the Norfolk area identifies a significant rental shortage. As force reductions take effect, Norfolk will see a 12% reduction in both permanent party personnel and families. The Navy's current 15.2% share of community assets will likewise diminish. The FHMA also projects housing costs will outpace housing allowances. Junior enlisted paygrades with 3 & 4 bedroom requirements are particularly impacted since these units tend to be very expensive, or are available only in the "for sale" market.

Line 14. The proposed project will replace 400 of the 608 substandard units in the Ben Morrell housing area. The other 208 units are scheduled for demolition as part of the FY94 project. 4 units at Little Creek will also be replaced under the proposed project. Units in both housing areas are already being vacated due to severe structural & mechanical failures.

Project Composition

400 Enlisted Units	25 2-bedroom JEM
	175 3-bedroom JEM
	175 4-bedroom JEM
	25 5-bedroom JEM
4 Officer Units	1 4-bedroom SOQ
	1 4-bedroom ICQ
	2 4-bedroom FO
404 Units	404 Total Units

CURRENT DATA = FY92. PROJECTED DATA = FY97. PROJECTIONS REFLECT PERSONNEL REDUCTIONS OVER FYDP.

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE
3. INSTALLATION AND LOCATION NAS OCEANA, VA		4. PROJECT TITLE COMMUNITY CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE 714	7. PROJECT NUMBER H-210	8. PROJECT COST (\$000) 860	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
Community Center	SF	8,000	82.80	662
Supporting Costs	LS			<u>110</u>
Subtotal				772
Contingency (5%)				<u>39</u>
Total Contract Cost				811
Supervision, Inspection & Overhead (6%)				<u>49</u>
Total Request				860
Total Request (Rounded)				860
10. DESCRIPTION OF PROPOSED CONSTRUCTION Detached permanent type construction for assembly occupancy, with parking and landscaping. Functions include multi-purpose assembly area, activity rooms, kitchen, rest rooms, and locker space.				
11. <u>REQUIREMENT:</u> <u>Project:</u> This project will construct a 8,000 square foot Community Center. <u>Requirement:</u> The 600 unit Wadsworth housing area is comprised of 404-three bedroom and 196-four bedroom townhouse units providing housing for enlisted ranks E-1 through E-9. The area is home to approximately 2,900 occupants, of which 1,800 are children and teenagers. Wadsworth is a high density housing complex which is not collocated with any other military activity or base. It is several miles from the nearest military support facility, and is completely surrounded by civilian community housing, apartments and subdivisions. The Wadsworth housing area desperately needs a community center to accommodate the social, cultural and physical activities of its residents.				

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAS OCEANA, VA		
4. PROJECT TITLE COMMUNITY CENTER	5. PROJECT NUMBER H-210	
<u>Current Situation:</u> No community center exists in the Wadsworth Housing area. Lack of public transportation restricts access by Wadsworth youths to limited civilian facilities. The absence of sidewalks along the heavily traveled perimeter road creates a serious safety hazard for pedestrian traffic. The need for a community center has received a great deal of attention from the press, auditors, and politicians since the murder of a resident teenager by a peer. <u>Impact If Not Provided:</u> An adequate community center will not be available to the residents of this housing complex. Occupant frustration and a sense of isolation will continue to grow. The already existing high rate of theft, vandalism and associated problems can be expected to increase. Project conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE BANGOR, WA				4. PROJECT TITLE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE 711		7. PROJECT NUMBER H-221		8. PROJECT COST (\$000) 27,647	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
Family Housing:				FA	300	48,340	14,482
Buildings				SE	290,000	47.97	(13,914)
Fire Sprinklers				SE	290,000	1.96	(568)
Supporting Costs:							10,358
Paving & Site Improvements							(3,963)
Utilities							(3,822)
Landscaping							(906)
Recreation							(327)
Special Construction Features							(181)
Family Housing Community Center				SE	10,000	115.90	(1,159)
Subtotal							24,840
Contingency (5%)							1,242
Total Contract Cost							26,082
Supervision, Inspection, & Overhead (6%)							1,565
Total Request							27,647
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
The junior enlisted units will be two story family housing units: wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing, and recreational facilities.							
Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total	
JEM	2	950	0.9408	\$51.00	280	12,762	
JEM	3	1200	0.9408	\$51.00	20	1,152	
					300	13,914	
11. REQUIREMENT:							
<u>Project:</u> Construction of 300 adequate family housing units for enlisted personnel and a Community Center.							
<u>Requirement:</u> Adequate on-base family housing and a Community Center is needed for married personnel and their families. This project includes community recreational facilities and expanded common open spaces reflecting the Navy's Neighborhoods of Excellence concepts. Recreational facilities include tot lots, jogging paths, and playing courts/fields in accordance with MIL-HDBK-1035.							

1. COMPONENT NAVY	2. DATE FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE BANGOR, WA	
4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER H-221
<u>Current Situation:</u> The SUBASE Bangor is one of four Navy activities comprising this CNO-classified Critical Housing Area, and is located in Kitsap County. Although there has been some fluctuation in the number of ships in the area, the overall Navy housing demand has maintained a strong growth trend over the past several years. Despite the decline in personnel due to planned force structure reductions, the housing deficit is expected to be over 700 units by 1997. A market analysis supports the housing need identified in the survey and projects a critical housing shortage for enlisted families. With the economic boom in this county and the rapidly increasing population, our Navy families are becoming a smaller portion of the local households and are being squeezed out of the market. Private developers are faced with rising land costs and development fees, and are not creating housing which is affordable for our junior sailors whose housing allowances are being substantially outpaced by sharp increases in both sale and rental housing costs. In addition, no Community Center currently exists. The present situation creates a hardship for the families living in government housing at NSB Bangor by not providing a facility that ensures adequate space for community meetings, social functions and recreational activities. <u>Impact If Not Provided:</u> Military members will be forced to choose between involuntary separation from their families or accepting housing that is unsuitable. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention of quality personnel will be adversely impacted. There will not be a Community Center facility to provide adequate meeting, lecture and social activity space to more than 1,200 families residing in government housing at NSB Bangor. Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide". Necessary coordination with the school district is in progress.	

DOD FAMILY HOUSING COST MODEL

SERVICE: DON LOCATION: NSB BANGOR O'SEAS: N YEAR: (94)
(Y/N?)

BASELINE: (\$000)
(300) (967) (51) = \$ 14,790
(# OF UNITS) (AVE NET SF) (\$/NSF) = 5' LINE

PROJECT FACTORS:
(0.98) (0.96) (1.00) = 0.9408
(ACF) (PROJ SIZE FAC) (UNIT SIZE FAC) = PROJ FAC

HOUSING COST:
(\$14,790) (0.9408) = \$ 13,914
(5' LINE COST) (PROJ FAC) = HSG COST
(\$2) (0.98) (300) = \$ 568
(/UNIT SPRINK) (ACF) (UNITS) = T. SPRINKLERS
(\$0) (0.98) (300) = \$ 0
(/UNIT SOLAR) (ACF) (UNITS) = T. SOLAR
(\$13,914) (\$568) (300) = 48.00
(HSG COST) (SOL/SPR COST) (UNITS) = AVE UNIT

SUPPORTING COST:
PAVING AND SITE IMPROVEMENTS 3,963
UTILITIES 3,822
LANDSCAPING 906
RECREATION 327
SPECIAL CONSTRUCTION FEATURES 181
OTHER FACILITIES 1,159
DEMOLITION 0

37.5 % OF TOTAL HOUSE COST SUPPORT COST: \$ 10,358

SUMMARY:
(\$13,914) (\$568) (\$10,358) = 24,840
(HSG COST) (SOL/SPR COST) (SUPPORT COST) = SUBTOTAL
(\$24,840) (\$1,242) (\$1,565) = 27,647
(SUBTOTAL) (CONTINGENCY) (SIOH) = PROJ TOTAL
ROUND: 27,647
(\$27,647) (300) (909) = \$101
(PROJ COST) (UNITS) (ANSF*PROJ FAC) = PROJ \$/NSF

PROJECT SIZE FACTOR (# OF UNITS)	UNIT SIZE FACTOR (AVE NSF)
1 - 9 = 1.15	800 - 749 = 1.05
10 - 19 = 1.10	750 - 849 = 1.03
20 - 49 = 1.05	850 - 949 = 1.01
50 - 99 = 1.02	950 - 1050 = 1.00
100 - 199 = 1.00	1051 - 1150 = 0.99
200 - 299 = 0.98	1151 - 1250 = 0.98
300 - 499 = 0.96	1251 - 1350 = 0.97
500+ = 0.95	1351+ = 0.96

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 920922		2. FISCAL YEAR 1994		REPORT CONTROL SYMBOL DD-A&L(AR)1716	
3. DOD COMPONENT NAVY				4. REPORTING INSTALLATION					
				a. NAME NAVAL COMPLEX BANGOR			b. LOCATION WASHINGTON		
5. DATA AS OF 15 JAN 92									

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1305	10906	3980	16171	1341	11162	3147	15650
7. PERMANENT PARTY PERSONNEL	1298	10448	3924	15668	1148	9835	2849	13830
8. GROSS FAMILY HOUSING REQUIREMENTS	1028	7124	966	9118	910	6687	644	8241
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	93	1137	347	1577				
a. INVOLUNTARILY SEPARATED	10	139	86	235				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLY HOUSED- IN COMMUNITY	83	998	261	1342				
10. VOLUNTARY SEPARATIONS	42	696	149	887	37	653	99	789
11. EFFECTIVE HOUSING REQUIREMENTS	996	6428	817	8231	873	8034	545	7452
12. HOUSING ASSETS (a+b)	898	5332	480	6710	822	5553	367	6742
a. UNDER MILITARY CONTROL	190	1434	0	1624	190	1834	0	2024
(1) Housed In Existing DOD Owned/Controlled	184	1411	0	1595	190	1434	0	1624
(2) Under Contract/Approved					0	400	0	400
(3) Vacant	6	23	0	29				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	708	3898	480	5086	632	3719	367	4718
(1) Acceptably Housed	707	3880	470	5057				
(2) Vacant Rental Housing	1	18	10	29				
13. EFFECTIVE HOUSING DEFICIT (11-12)	88	1096	337	1521	51	481	178	710
14. PROPOSED PROJECT					0	300	0	300

15. REMARKS

Lines 6 & 7. Projections show a decline in baseloading numbers due to planned force reductions.

Line 12a(2). The 400 units identified as under contract/approved are the 200 units in the FY93 President's Budget plus the FY93 200 unit Congressional add.

Line 12b. As the military presence in the area declines a reduction in the Navy's share of suitable community assets will also occur.

Line 14. The proposed project satisfies 42.3% of the deficit & is within the programming limit established by OSD guidance of 17 Aug 90 (build up to 90% of effective housing deficit).

Project Composition

300 Enlisted Units	280 2-bedroom JEM
	20 3-bedroom JEM

	300 Total Units

CURRENT DATA = FY92. PROJECTED DATA = FY97. PROJECTIONS REFLECT PERSONNEL REDUCTIONS OVER FYDP.

1. COMPONENT NAVY		FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY EDZELL, UK				4. PROJECT TITLE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE 711		7. PROJECT NUMBER H-259		8. PROJECT COST (\$000) 6,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
Family Housing:				FA	40	88,925	3,557
Buildings				SF	44,500	77.12	(3,432)
Fire Sprinklers				SF	44,500	2.81	(125)
Supporting Costs:							1,809
Paving & Site Improvements							(771)
Utilities							(766)
Landscaping							(174)
Recreation							(63)
Special Construction Features							(35)
Subtotal							5,366
Contingency (5%)							<u>268</u>
Total Contract Cost							5,634
Supervision, Inspection, & Overhead (6.5%)							<u>366</u>
Total Request							6,000
Total (Rounded)							6,000
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
Two story family housing units: wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing, and recreational facilities.							
	Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total
	JEM	2	950	1.4553	\$53.00	20	1,465
	JEM	3	1200	1.4553	\$53.00	10	926
	JEM	4	1350	1.4553	\$53.00	10	1,041
						<u>40</u>	<u>3,432</u>
11. REQUIREMENT:							
<u>Project:</u> Construct 40 adequate family housing units for junior enlisted personnel.							

1. COMPONENT NAVY	94 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY EDZELL, UK		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-259
Requirement: NCS Thurso is closing and functions are being transferred to NSGA Edzell. This project will provide adequate junior enlisted quarters for Navy families migrating from NCS Thurso. The project includes community recreational facilities and expanded common open spaces reflecting the Navy's Neighborhoods of Excellence concepts. Recreational facilities include tot lots, jogging paths, and playing courts/fields in accordance with MIL-HDBK-1035. Current Situation: NSGA Edzell is a remote overseas location with a limited rental market. A December 1991 family housing market survey indicates that the local economy will not be able to support the projected increase in personnel at NSGA Edzell. The housing market is already extremely tight, and the situation will only deteriorate as additional personnel are transferred from NCS Thurso. Impact If Not Provided: If the family housing is not provided, a severe shortage of suitable housing will exist. Due to the remote location of the base, suitable rental units are in very short supply. Military members will be forced to commute over an hour to get to work, or they will face involuntary separations. Morale and retention will be negatively impacted. Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide."		

DOD FAMILY HOUSING COST MODEL

SERVICE: DON LOCATION: NSGA EDZELL O'SEAS: Y YEAR: (94)
(Y/N?)

BASELINE: (\$000)
(40) (1113) (53) = \$ 2,359
(# OF UNITS) (AVE NET SF) (\$/NSF) = 5' LINE

PROJECT FACTORS:
(1.40) (1.05) (0.99) = 1.4553
(ACF) (PROJ SIZE FAC) (UNIT SIZE FAC) = PROJ FAC

HOUSING COST:
(\$2,359) (1.4553) = \$ 3,432
(5' LINE COST) (PROJ FAC) = HSG COST
(\$2) (1.40) (40) = \$ 125
(/UNIT SPRINK) (ACF) (UNITS) = T. SPRINKLERS
(\$0) (1.40) (40) = \$ 0
(/UNIT SOLAR) (ACF) (UNITS) = T. SOLAR
(\$3,432) (\$125) (40) = 89.00
(HSG COST) (SOL/SPR COST) (UNITS) = AVE UNIT

SUPPORTING COST:
PAVING AND SITE IMPROVEMENTS 771
UTILITIES 766
LANDSCAPING 174
RECREATION 63
SPECIAL CONSTRUCTION FEATURES 35
OTHER FACILITIES 0
DEMOLITION 0

30.2 % OF TOTAL HOUSE COST

SUPPORT COST: \$ 1,809

SUMMARY:
(\$3,432) (\$125) (\$1,809) = 5,366
(HSG COST) (SOL/SPR COST) (SUPPORT COST) = SUBTOTAL
(\$5,366) (\$268) (\$366) = 6,000
(SUBTOTAL) (CONTINGENCY) (SIOH) = PROJ TOTAL
ROUND: 6,000
(\$6,000) (40) (1619) = \$93
(PROJ COST) (UNITS) (ANSF*PROJ FAC) = PROJ \$/NSF

PROJECT SIZE FACTOR (# OF UNITS)	UNIT SIZE FACTOR (AVE NSF)
1 - 9 = 1.15	600 - 749 = 1.05
10 - 19 = 1.10	750 - 849 = 1.03
20 - 49 = 1.05	850 - 949 = 1.01
50 - 99 = 1.02	950 - 1050 = 1.00
100 - 199 = 1.00	1051 - 1150 = 0.99
200 - 299 = 0.98	1151 - 1250 = 0.98
300 - 499 = 0.96	1251 - 1350 = 0.97
500+ = 0.95	1351+ = 0.96

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT (YYMMDD) 920614	2. FISCAL YEAR 1994	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION		
		a. NAME		b. LOCATION
5. DATA AS OF 15 JAN 92		U.S. NAVAL SECURITY GROUP ACTIVITY, EDZELL		UNITED KINGDOM

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	49	672	112	833	47	752	117	916
7. PERMANENT PARTY PERSONNEL	49	657	110	816	47	737	112	896
8. GROSS FAMILY HOUSING REQUIREMENTS	34	420	26	480	33	471	25	529
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	8	107	6	121				
a. INVOLUNTARILY SEPARATED	0	1	0	1				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLY HOUSED- IN COMMUNITY	8	106	6	120				
10. VOLUNTARY SEPARATIONS	0	8	2	10	0	9	2	11
11. EFFECTIVE HOUSING REQUIREMENTS	34	412	24	470	33	462	23	518
12. HOUSING ASSETS (a+b)	26	324	18	368	26	340	2	368
a. UNDER MILITARY CONTROL	24	223	16	263	24	239	0	263
(1) Housed in Existing DOD Owned/Controlled	24	223	16	263	24	239	0	263
(2) Under Contract/Approved					0	0	0	0
(3) Vacant	0	0	0	0				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	2	101	2	105	2	101	2	105
(1) Acceptably Housed	2	82	2	86				
(2) Vacant Rental Housing	0	19	0	19				
13. EFFECTIVE HOUSING DEFICIT (11-12)	8	88	6	102	7	122	21	150
14. PROPOSED PROJECT					0	36	4	40

15. REMARKS

Lines 6 & 7. Military & civilians are being transferred to NSGA Edzell as a result of the scheduled closure of NCS Thurso.

Line 12b. NSGA Edzell is located in a rural area of Scotland. A housing market survey conducted in Dec 91 found that the housing market is extremely tight. The analysis concluded that the local economy will not be capable of supporting the projected increase in personnel at NSGA Edzell.

Line 14. The proposed project will satisfy 27% of the programming limit as determined by OSD guidance of 17 Aug 90 (build up to 90% of the effective housing deficit).

Project Composition

40 Enlisted Units

20 2-bedroom JEM
10 3-bedroom JEM
10 4-bedroom JEM

40 Total Units

CURRENT DATA = FY92. PROJECTED DATA = FY97. PROJECTIONS REFLECT PERSONNEL REDUCTIONS OVER FYDP.

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE																
3. INSTALLATION AND LOCATION NAVACTS LONDON, UK			4. PROJECT TITLE FAMILY HOUSING																	
5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-255	8. PROJECT COST (\$000) 17,680																	
9. COST ESTIMATES																				
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)															
Purchase Leased Units		FA	81	218.3	17,680															
10. DESCRIPTION OF PROPOSED CONSTRUCTION																				
This project involves the purchase of 81 units located at West Ruislip. These units are currently leased by the Navy and assigned to enlisted members and their families. The project proposes to exercise the purchase option contained in the current lease agreement between the Navy and the landlord. <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="text-align: right; padding-right: 10px;">Grade</td> <td style="text-align: right; padding-right: 10px;">Bedroom</td> <td style="text-align: right;">No. Units</td> </tr> <tr> <td style="text-align: right;">JEM</td> <td style="text-align: right;">2</td> <td style="text-align: right;">44</td> </tr> <tr> <td style="text-align: right;">JEM</td> <td style="text-align: right;">3</td> <td style="text-align: right;">21</td> </tr> <tr> <td style="text-align: right;">JEM</td> <td style="text-align: right;">4</td> <td style="text-align: right;">16</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right; border-top: 1px solid black;">81</td> </tr> </table>						Grade	Bedroom	No. Units	JEM	2	44	JEM	3	21	JEM	4	16			81
Grade	Bedroom	No. Units																		
JEM	2	44																		
JEM	3	21																		
JEM	4	16																		
		81																		
11. <u>REQUIREMENT:</u>																				
<u>Project:</u> This project involves the exercise of a purchase option to acquire 81 units that are currently leased by the Navy at West Ruislip for NAVACTS London, UK.																				

1. COMPONENT NAVY	FY 19 ⁸⁴ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVACTS		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-255

Requirement: The existing lease agreement contains a series of pre-priced purchase options that can be exercised by the Navy to purchase these units. Prices are stated in English pounds. The last year this purchase option can be exercised is 1994.

Current Situation: There is a current and projected deficit of suitable housing for Navy families. The competition for suitable housing in London is intense due to factors such as cost, overcrowding, etc. The cost of housing has risen between 20-25% over the last two years. The recent median price of a three bedroom townhome in London was \$200,000. In 1994, the same unit would cost over \$250,000 if recent escalation trends continue. Rental prices are also subject to the same trends in upward escalation. Rental market values for mid- and lower-priced properties have risen at a rate of 12-15% per year and the trend of property appreciation is expected to continue. Sufficient living space is also a serious problem for Navy families. Most U.K. homes are small and prohibit use of standard American furnishings and appliances. These homes lack adequate storage areas and frequently lack connections for hookup of washers and dryers. Support facilities such as the commissary and exchange are located at RAF West Ruislip.

Impact If Not Provided: The purchase options for the West Ruislip units will expire unless exercised. The alternative would be to renew the lease agreement for these or other units. Renewed leasing would be at an increased cost and would result in the need for additional high-cost lease points as the annual costs would exceed \$20,000 per unit per year. If the purchase option is not exercised, and leasing is continued, resources would have to be applied to the leasing account for these units. (The leasing budget does not include any provision for these units.) If the purchase option is not exercised, and leasing is not continued, these families would likely become unsuitably housed due to the shortage of suitable housing in London. This would be detrimental to quality of life and satisfaction with the Navy. In addition, this alternative would require the payment of allowances which are presently unprogrammed and unbudgeted.

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 920614		2. FISCAL YEAR 1994		REPORT CONTROL SYMBOL DD-A&L(AR)1718			
3. DOD COMPONENT NAVY				4. REPORTING INSTALLATION							
				a. NAME			b. LOCATION				
5. DATA AS OF 15 Jan 92				NAVACTS LONDON			UNITED KINGDOM				
ANALYSIS OF REQUIREMENTS AND ASSETS				CURRENT				PROJECTED			
				OFFICER (a)	E3-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E3-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH				341	695	71	1107	303	650	72	1025
7. PERMANENT PARTY PERSONNEL				275	626	44	945	237	581	45	863
8. GROSS FAMILY HOUSING REQUIREMENTS				221	398	5	624	182	376	8	576
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)				68	152	2	222				
a. INVOLUNTARILY SEPARATED				1	1	0	2				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED				0	81	0	81				
c. UNACCEPTABLY HOUSED- IN COMMUNITY				67	70	2	139				
10. VOLUNTARY SEPARATIONS				3	17	0	20	3	16	0	19
11. EFFECTIVE HOUSING REQUIREMENTS				218	381	5	604	189	360	8	557
12. HOUSING ASSETS (a+b)				150	235	3	388	150	235	3	388
a. UNDER MILITARY CONTROL				15	91	0	106	15	91	0	106
(1) Housed in Existing DOD Owned/Controlled				15	85	0	100	15	91	0	106
(2) Under Contract/Approved								0	0	0	0
(3) Vacant				0	6	0	6				
(4) Inactive				0	0	0	0				
b. PRIVATE HOUSING				135	144	3	282	135	144	3	282
(1) Acceptably Housed				135	144	3	282				
(2) Vacant Rental Housing				0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT (11-12)				68	146	2	216	39	125	5	169
14. PROPOSED PROJECT								0	81	0	81
15. REMARKS											
Line 9b. Includes 81 lease-construct enlisted assets at West Ruislip. A pre-priced purchase option must be exercised by 31 Mar 94. If the purchase option is not exercised, the renegotiated lease is anticipated to exceed the high cost statutory limit by FY95. If this occurs, the units will be lost from the inventory since the Navy has no additional high cost lease points. Line 14. An economic analysis performed in FY91 supports execution of the pre-priced purchase option in FY94. <u>Project Composition</u> 81 Enlisted Units 44 2-bedroom JEM 21 3-bedroom JEM 16 4-bedroom JEM — 81 Total Units											
CURRENT DATA = FY92. PROJECTED DATA = FY97. PROJECTIONS REFLECT PERSONNEL REDUCTIONS OVER FYDP.											

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET ESTIMATE
CONSTRUCTION IMPROVEMENTS

(In Thousands)

FY 1994 Program \$193,486
FY 1993 Program \$198,340

Purpose and Scope

This program provides for alterations, additions, expansions, and/or extensions to existing public quarters, other real property, and supporting facilities. As such, it has a major impact on the quality of life for military families. This program will increase the useful life and livability of the homes, bring them up to contemporary standards, and make them more energy efficient.

Program Summary

Authorization is requested for:

- (1) Various improvements and/or major repairs to existing family housing;
and
- (2) Appropriation of \$193,486,000 to fund these improvements.
- (3) We are continuing our emphasis on revitalization through whole neighborhood projects, which will accomplish all required improvements and repairs at one time. We have also included repair projects considered to be a major investment.
- (4) A separate DD 1391 is attached for all projects exceeding \$50,000 per unit as adjusted by the area cost factor.

1 COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2 DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES				4. PROJECT TITLE FAMILY HOUSING REVITALIZATION		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER VARIES		8. PROJECT COST (\$000) \$193,486	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING - ALTERATIONS, ADDITIONS AND REHABILITATIONS			L/S	--	--	193,486
TOTAL REQUEST						193,486
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Provides for revitalization of family housing units, support facilities and infrastructure. Revitalization consists of alterations, additions, expansions, modernization, and major repairs. Typical work includes kitchen and bath renovations/modernization; upgrades and repairs to structural, electrical, and mechanical systems; and repairs/replacements involving utility systems and other infrastructure. 11. <u>REQUIREMENT</u>: Major investments to the Navy's family housing inventory are needed to arrest and correct deterioration, address obsolescence of our homes (whose average age is thirty years) and their components, and make the units more functional and energy efficient. Revitalization will extend the useful life of these units. <u>IMPACT IF NOT PROVIDED</u>: The Navy will not achieve the objectives under the "Neighborhoods of Excellence" initiative to completely revitalize the inventory. As a result, quality of life for Navy families will be further eroded; the units will increasingly deteriorate and thus become obsolete; maintenance costs will grow disproportionately, as incremental fixes are applied to maintain the units available for occupancy; and the cost of revitalization will increase over time as necessary work is deferred.						

1. COMPONENT NAVY	FY 19 ⁴ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS	5. PROJECT NUMBER	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	(\$000) CURRENT WORKING ESTIMATE
<u>INSIDE THE UNITED STATES</u>	
<u>CALIFORNIA</u>	
MCAS El Toro Construct parking area for Namar Housing complex. Project includes demolition and soil preparation, subbase, curbs and gutters, concrete wheel stops, landscaping, painting, marking, and signage.	199.0
NCBC Port Hueneme (HR/C-1-90) Improvements and concurrent repairs to 85 enlisted units. Work includes renovation/modernization of kitchens and baths; reconfiguration of interior walls, installation of hard-wired smoke detectors, modification of front entrances; replacement of wall furnaces and venting, water heaters and venting, gas and electrical lines, GFI hardware, TV and telephone cabling, windows and screens, doors, and gutters and downspouts; and removal of asbestos. (See separate DD Form 1391)	6,573.0
PWC San Diego (HC-1-90 Phase II) Improvements and concurrent repairs to 150 enlisted units. Work includes renovation/modernization of kitchens and baths; replacement of electrical wiring, interior plumbing components and windows; removal of asbestos in the flooring and attic areas; removal of lead based paint in the interior framing and removal of lead based stucco.	8,466.5
PWC San Diego (HC-17-92) Improvements to 81 enlisted and officer units. Work includes installation of central air conditioning.	433.0

1. COMPONENT NAVY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES					
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS				5. PROJECT NUMBER	
		(\$000)			
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u>			
<u>INSIDE THE UNITED STATES</u>					
PWC San Diego (HR-28-92)		2,326.4			
Repairs to 67 enlisted units. Work includes correction of major bank and soil erosion, damaged driveways and lawn areas, major drainage problems and replacement of damage fencing.					
PWC San Diego (HC-37-92)		6,154.0			
Improvements and concurrent repairs to 105 enlisted units. Work includes renovation/modernization of kitchens and baths; replacement of electrical wiring, interior plumbing components and windows; removal of asbestos in the flooring and attic areas; removal of lead based paint in the interior framing and removal of lead based stucco.					
<u>CONNECTICUT</u>					
NSB New London (HC/R-7-92)		652.4			
Improvements and concurrent repairs to 54 enlisted mobile home spaces. Work includes upgrading of electrical system with 100 amp plugs for permanent feeder services, one 30 amp 2-pole circuit breaker; provision of individual meters for electrical distribution system; provision of sanitary and water services to each space; construction of concrete pads, storage sheds, and trash can enclosures; repaving of 24 parking spaces; and replacement of playgrounds.					
<u>FLORIDA</u>					
NAS Jacksonville (HC/R-19-91)		9,424.7			
Improvements and concurrent repairs to 345 enlisted and officer units. Work includes renovation of kitchens and baths; installation of ceiling insulation, storm doors, GFI receptacles and ceiling fans; construction of patios, culverts and catch basins; repair/replacement of HVAC systems, service laterals, window/door trim, and gypsum ceilings; and repaving of streets and driveways.					

1. COMPONENT NAVY		2. DATE	
FY 194 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER	
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u> (\$000)	
<u>INSIDE THE UNITED STATES</u>			
NAS Key West (HC-11-89) Improvements and concurrent repairs to 212 enlisted units. Work includes provision of screened in porches, playgrounds, and improved landscaping; and replacement of exterior doors and sidewalks.		2,406.3	
NS Mayport (HC/R-4-92) Improvements to 400 enlisted units. Work involves installation of vinyl siding.		2,146.1	
PWC Pensacola (HC/R-3-92) Improvements and concurrent repairs to 200 enlisted units. Work includes renovation of baths; installation of insulation in attics, GFI receptacles, vinyl siding, and fluorescent light fixtures; replacement of exterior doors, carpeting, and double-pane windows; and modification of front entrance ways. (See separate DD Form 1391)		12,732.3	
<u>GEORGIA</u>			
MCLB Albany Provides whole house revitalization to 17 officer and 76 enlisted DOD housing units. The work includes upgrading fixtures and electrical, plumbing, and mechanical systems; structural and architectural improvements, interior and exterior repairs, and installing fire suppression systems. (See separate DD Form 1391)		5,115.0	
NSCS Athens (HC/R-1-91) Improvements and concurrent repairs to 56 enlisted and officer units. Work includes renovation/modernization of kitchens and baths; removal and replacement of asbestos siding, roofs, exterior doors, and windows; provision of ceiling fans, vertical blinds, and door bells; and repairs to HVAC systems, streets, curbs, sidewalks, and driveways.		1,427.4	

1. COMPONENT		2 DATE	
NAVY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
INSTALLATION/LOCATION/PROJECT DESCRIPTION		(\$000) CURRENT WORKING ESTIMATE	
<u>INSIDE THE UNITED STATES</u>			
<u>ILLINOIS</u>			
PWC Great Lakes (HC/R-1-86 Phase II)		11,440.7	
Improvements and concurrent repairs to 178 enlisted and officer units. Work includes renovation/modernization of kitchens, baths, and basements; provision of interior light fixtures, GFI receptacles, central A/C, garages, patios, storage sheds, privacy fencing, and landscaping; and replacement of exterior doors, weatherstripping, roofs, roof vents, attic insulation, ductwork, and suspended ceilings. (See separate DD Form 1391)			
<u>LOUISIANA</u>			
NSA New Orleans (HC/R-1-92)		4,139.1	
Improvements and concurrent repairs to 199 enlisted and officer units. Work includes renovation/modernization of kitchens and baths; installation of ceiling fans, light fixtures, GFI receptacles, and hard-wired smoke detectors; removal and replacement of windows, screens, interior doors, HVAC systems, balconies and siding; construction of carports and roofs over storage areas; and improvement of landscaping.			
<u>MARYLAND</u>			
USNA Annapolis (HR-8-92)		2,831.0	
Exterior repairs to 19 historic officer units. Work includes repairs of slate and copper roofs; repairs/replacement of gutters and downspouts; repairs to exterior building elements; repairs and restoration of porches and exterior trim; and removal of lead-based paint. (See separate DD Form 1391)			

1. COMPONENT NAVY		FY 19__ MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES					
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS				5. PROJECT NUMBER	
(\$000) <u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u> <u>CURRENT WORKING ESTIMATE</u> <u>INSIDE THE UNITED STATES</u> USNA Annapolis (HR-7-92) Repairs to four historic officer units. Work includes renovation of kitchens and baths; replacement of mechanical (heating and air conditioning), electrical, and plumbing systems; replacement of windows; and abatement of asbestos and lead containing materials inside the units. (See separate DD Form 1391) 1,180.0 NATC Patuxent River (HC/R-8-91) Improvements to one flag officer unit. Work includes installation of central air conditioning system and upgrading of heating system. (See separate DD Form 1391) 30.4 <u>MISSOURI</u> MCSA Kansas City Provide whole house revitalization to five enlisted housing units. The work includes architectural improvements; structural repairs; and replacing and upgrading, kitchen and bathroom fixtures, plumbing and electrical systems, lighting, doors and hardware, and architectural finishes. Exterior walls will be insulated, mechanical systems replaced and relocated, and fire suppression systems installed. 206.0 MCSA Kansas City Provides improvements and repairs to family housing office/self help warehouse by constructing a 49' by 20' addition to increase storage space; replacing carpet, floor tile, mechanical systems, siding, windows, and partitions; repairing front sidewalk; and installing a drinking fountain. 84.0 <u>NEVADA</u> NAS Fallon (HC-2-89) Improvements to 70 enlisted units. Work includes installation of landscaping, tot lots, perimeter retaining wall and patio covers. 1,198.6					

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA		2. DATE														
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES																	
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER															
<table border="1"> <thead> <tr> <th data-bbox="381 357 1009 389">INSTALLATION/LOCATION/PROJECT DESCRIPTION</th> <th data-bbox="1095 336 1466 389">(\$000) CURRENT WORKING ESTIMATE</th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="794 417 1161 442" style="text-align: center;"><u>INSIDE THE UNITED STATES</u></td> </tr> <tr> <td data-bbox="409 527 1177 687"> NAS Fallon (HR-2-90) Repairs to 44 enlisted and officer units. Work includes replacement of overhead electrical distribution system with underground electrical distribution system and repairs to landscaping. </td> <td data-bbox="1326 527 1409 549" style="text-align: right;">973.8</td> </tr> <tr> <td colspan="2" data-bbox="381 719 508 744"><u>NEW YORK</u></td> </tr> <tr> <td data-bbox="409 744 1243 1176"> NS Staten Island (HC/R-4-87) Improvements and concurrent repairs to 116 enlisted units. Work includes demolition of 21 deteriorated units; renovation of kitchens; replacement of windows, shutters, bath exhaust fans, dishwashers, track and hardware for closet doors, and window sills; application of non-slip stair treads to exterior stairs; installation of hard-wired smoke detectors, GFI receptacles, mail boxes, water heaters, central A/C, hose bibs, playground equipment, shrubs, dumpster pads, and upgraded electrical system; refurbishment of foundation walls, broken bricks, and front steps; and replacement of vinyl siding, mesh screen for roof vents, downspouts, and curbs. </td> <td data-bbox="1293 744 1409 766" style="text-align: right;">7,161.3</td> </tr> <tr> <td colspan="2" data-bbox="381 1208 599 1234"><u>NORTH CAROLINA</u></td> </tr> <tr> <td data-bbox="409 1234 1227 1425"> MCAS Cherry Point Provides whole house revitalization to 137 officer and enlisted housing units. The work includes upgrading fixtures and electrical, plumbing, and mechanical systems; structural and architectural improvements, interior and exterior repairs, and installing fire suppression systems. </td> <td data-bbox="1293 1234 1409 1255" style="text-align: right;">6,300.0</td> </tr> </tbody> </table>				INSTALLATION/LOCATION/PROJECT DESCRIPTION	(\$000) CURRENT WORKING ESTIMATE	<u>INSIDE THE UNITED STATES</u>		NAS Fallon (HR-2-90) Repairs to 44 enlisted and officer units. Work includes replacement of overhead electrical distribution system with underground electrical distribution system and repairs to landscaping.	973.8	<u>NEW YORK</u>		NS Staten Island (HC/R-4-87) Improvements and concurrent repairs to 116 enlisted units. Work includes demolition of 21 deteriorated units; renovation of kitchens; replacement of windows, shutters, bath exhaust fans, dishwashers, track and hardware for closet doors, and window sills; application of non-slip stair treads to exterior stairs; installation of hard-wired smoke detectors, GFI receptacles, mail boxes, water heaters, central A/C, hose bibs, playground equipment, shrubs, dumpster pads, and upgraded electrical system; refurbishment of foundation walls, broken bricks, and front steps; and replacement of vinyl siding, mesh screen for roof vents, downspouts, and curbs.	7,161.3	<u>NORTH CAROLINA</u>		MCAS Cherry Point Provides whole house revitalization to 137 officer and enlisted housing units. The work includes upgrading fixtures and electrical, plumbing, and mechanical systems; structural and architectural improvements, interior and exterior repairs, and installing fire suppression systems.	6,300.0
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1. COMPONENT NAVY	2. DATE
FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES	
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS	5. PROJECT NUMBER
(\$000) INSTALLATION/LOCATION/PROJECT DESCRIPTION CURRENT WORKING ESTIMATE <u>INSIDE THE UNITED STATES</u> MCB Camp Lejeune 11,697.0 Provide whole house revitalization to 121 officer and 177 enlisted housing units located at Berkeley Manor and Paradise Point. The work includes upgrading appliances and electrical, plumbing, and mechanical systems; structural and architectural improvements; adding fire suppression systems; and landscaping repair in Berkeley Manor. Construct community center with exterior parking and access drive. Interior support facilities include a multi-purpose recreational room, storage area, restrooms, and office areas. <u>PENNSYLVANIA</u> NAS Willow Grove (HC/R-3-89 Phase II) 5,410.7 Improvements and concurrent repairs to 93 enlisted units. Work includes renovation/modernization of kitchens and baths; replacement of doors, flooring, windows, roofs, splash blocks, porch columns, soffits, electrical service cables, interior and exterior light fixtures, and, main circuit breakers; regrading of yards; and repair and resurfacing of driveways. (See separate DD Form 1391) <u>SOUTH CAROLINA</u> NH Beaufort (HC/R-1-92) 855.7 Improvements and concurrent repairs to 53 enlisted and officer units. Work includes renovation of baths; installation of GFI receptacles, attic insulation, privacy walls, garage/storage areas, garbage can enclosures, and landscaping; repairs to master baths and gas mains; and replacement of HVAC systems, roofs, electrical systems, and ductwork. <u>VIRGINIA</u> NAB Little Creek (HR-1-91) 597.0 Repairs for 546 enlisted units. Work includes demolition of curbs and sidewalks; and construction of additional off-street driveway parking areas.	

1. COMPONENT NAVY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER	

INSTALLATION/LOCATION/PROJECT DESCRIPTION		(\$000) CURRENT WORKING ESTIMATE
<u>INSIDE THE UNITED STATES</u>		
NAB Little Creek (HC/R-3-92) Improvements and concurrent repairs to 150 enlisted units. Work includes renovation and modernization of baths; reconfiguration of kitchen/laundry areas, installation of ceiling fans, mini blinds, carpeting, playgrounds, and improved landscaping; replacement of electrical systems and components, roofs, HVAC systems, and windows; and repair of roads, sidewalks, and drainage runoff.		5,800.0
PWC Norfolk Qtrs F-32-E Missouri (HR-18-92) Improvements to one flag officer unit. Work involves installation of an entrance canopy.		10.1
PWC Norfolk (HC/R-24-91) Improvements and concurrent repairs to 114 enlisted units. Work includes modernization/renovation of kitchens and baths; reconfiguration of entrance hallways, interior storage, stair areas, and laundry room; provision of two-zone heating control systems, patios, insulated sliding patio doors, landscaping, and tot lots; installation of rangehoods, GFI receptacles, water heaters, plumbing fixtures, interior and exterior light fixtures, privacy fences, landscaping, and playgrounds; relocation of smoke detectors; and regrading of site. (See separate DD Form 1391)		6,693.5
PWC Norfolk (HC/R-28-91) Improvements and concurrent repairs to 197 enlisted units. Work includes renovation/modernization of kitchens and baths; replacement of interior and exterior doors, windows, water tanks, electrical fixtures, service panels, flooring, gutters, and downspouts; repairs and resurfacing of sidewalks, driveways, and parking lots; installation of central A/C; and provision of storage sheds, trash can enclosures, and landscaping.		7,616.6

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCs INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER

<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>	(\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>INSIDE THE UNITED STATES</u>	
PWC Norfolk (HC/R-27-91) Improvements and concurrent repairs to 48 officer units. Work includes renovation/modernization of kitchens and baths; replacement of interior and exterior doors, windows, flooring, water tanks, switches, storage sheds, gutters and downspouts; repair and resurfacing of sidewalks, driveways, and parking lots; and installation of landscaping, and fences.	2,128.3
NAS Oceana (HC/R-1-90) Improvements and concurrent repairs to 168 enlisted units. Work includes modernization/renovation of kitchens and baths; construction of full baths, porches with balconies, and storage areas; and replacement of vinyl tile, entrance stairways, front doors, screen doors, HVAC systems, and electrical systems.	6,629.0
<u>WASHINGTON</u> NSB Bangor (HR-5-93) Repairs to 160 enlisted and officer units. Work includes replacement of kitchen cabinets and drawers, counter tops, sinks, flooring and range hoods; installation of under the cabinet lighting and garden windows; removal of wall paper in the bathroom; replacement of bathroom sinks, vanities, tubs, shower doors, vents, flooring and bath accessories.	4,083.8
NSB Bangor (HR-6-93) Repairs to 14 enlisted and officer units. Work includes renovation of kitchens and baths.	530.0

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES					
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS				5. PROJECT NUMBER	
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>				(\$000) <u>CURRENT WORKING ESTIMATE</u>	
<u>INSIDE THE UNITED STATES</u>					
NSB Bangor (HC-3-89) Repairs to 734 enlisted and officer units. Work includes replacement of garage doors and modification of storage area.				1,631.8	
NSY Puget Sound (HC-2-85 Phase II) Improvements and concurrent repairs to 90 enlisted units. Work includes renovation/modernization of kitchens and baths; construction of additional off-street parking, steps on steep walkways, sidewalks, rockery or retaining walls and playgrounds, grading and paving on sides of carports, improvements to landscaping; replacement of flooring, molding, water heaters, siding, privacy fencing and site repairs. (See separate DD Form 1391)				4,807.0	
NSY Puget Sound (HC-1-91) Improvements and concurrent repairs to 100 enlisted and officer units. Work includes renovation/modernization of kitchens and baths; redesign of trash enclosures; installation of siding, privacy fences, exterior storage areas, additional off-street parking, lighting, and storage shelves; and replacement of windows, doors, electrical switches and receptacles. (See separate DD Form 1391)				5,658.0	
NSY Puget Sound (HC-4-89) Improvements to 174 enlisted units. Work includes installation of patio covers and modification of front entrances.				745.7	

1. COMPONENT NAVY	FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		5. PROJECT NUMBER	
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		(\$000) <u>CURRENT WORKING ESTIMATE</u>	
<u>OUTSIDE THE UNITED STATES</u>			
<u>JAPAN</u>			
MCAS Iwakuni		150.0	
Improvements to 44 officer and enlisted units. Provides for carpeting and padding in all family housing living spaces, except the kitchen and bathrooms, which is required for sound reduction in midrise (six story) building that has a high density living level.			
PWC Yokosuka (HC-2-87)		880.0	
Improvements to 398 enlisted and officer units. Work involves installation of ceiling insulation.			
PWC Yokosuka (HC-3-88)		1,010.0	
Improvements to 480 enlisted units. Work includes installation of kitchen cabinets, vinyl flooring, and laundry room doors.			
PWC Yokosuka (HC-1-92)		14.0	
Improvements to one flag officer unit. Work includes removal of front entrance canopy; construction of extended entrance; and provision of gutters, downspouts, and incandescent lighting.			
PWC Yokosuka (HC-12-90)		794.0	
Improvements to family housing furnishings warehouse. Work includes the installation of a prefabricated structural steel mezzanine deck and hydraulic floor lift, including associated modifications to lighting and electrical system.			
<u>MARIANAS ISLAND</u>			
PWC Guam (HC/R-8-85)		3,480.0	
Improvements and concurrent repairs to 27 enlisted and officer units. Work includes construction of carports with storage and driveways, trash enclosures, patios, privacy walls, additional half-baths, glass sliding doors; installation of gutters and downspouts, and GFI			

1. COMPONENT		2. DATE	
NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u>	
		(\$000)	
<u>OUTSIDE THE UNITED STATES</u>			
PWC Guam (Con't)			
receptacles; renovation/modernization of kitchens and baths; and replacement of weatherstripping, exterior and interior doors, water heaters, disconnect switches and light fixtures. (See separate DD Form 1391)			
PWC Guam (HC/R-51-84)		3,500.0	
Improvements and concurrent repairs to 24 officer units. Work includes construction of covered patios, trash enclosures, and exterior storage; installation of gutters and downspouts, solar film on windows, and door bells; renovation of kitchens and baths; and replacement of exterior and interior doors, wooden partitions, floors, roof insulation, water heater enclosures, trim and moldings, air conditioning units, electrical systems, TV and telephone cabling, and light fixtures. (See separate DD Form 1391)			
PWC Guam (HC/R-2-92)		2,243.0	
Improvements and concurrent repairs to 60 officer units. Work includes construction of carports with exterior storage and trash enclosures; and repair of driveways.			
PWC Guam (HR-12-91)		4,082.0	
Repairs to 60 officer units. Work includes replacement of roofing systems.			

1. COMPONENT NAVY		FY 19 94 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES					
4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS				5. PROJECT NUMBER	
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>				(\$000) <u>CURRENT WORKING ESTIMATE</u>	
<u>OUTSIDE THE UNITED STATES</u>					
PWC Guam (HC/R-46-84) Improvements and concurrent repairs to 75 enlisted units. Work includes renovation/modernization of kitchens and baths; installation of laundry sinks, water pressure regulators, light fixtures, and solar film; replacement of interior and exterior doors, electrical systems, and water heaters; and repair of wall cracks.				7,484.0	
PWC Guam (HR-17-91) Repairs to 64 enlisted units. Work includes replacement of roofing systems.				3,673.0	
<u>SPAIN</u>					
NS Rota (HC/R-4-88) Improvements and concurrent repairs to 102 enlisted and officer units. Work includes renovation/modernization of kitchens and baths; installation of central air conditioning; relocation of power and telephone lines underground; replacement of doors, electrical wiring and fixtures, water heaters, roofs, downspouts, and soffits; repairs to floor structural supports; construction of carports and covered entrance ways; relocation of storage sheds; replacement of fencing; repairs to sidewalks and roads; landscaping of parking areas and common areas; and regrading/covering of ditches. (See separate DD Form 1391)				7,680.8	

1. COMPONENT NAVY		FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NCBC PORT HUENEME, CA				4. PROJECT TITLE WHOLE HOUSE REVITALIZATION, BRUNS PARK		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HR/C-1-90		8. PROJECT COST (\$000) \$ 6,573.0	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS			EA	85	10.2	870.3
CONCURRENT REPAIRS AND MAINTENANCE			EA	85	<u>67.1</u>	<u>5,702.7</u>
			EA	85	77.3	6,573.0
TOTAL REQUEST						6,573.0
Area Cost Factor - 1.18						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
This project encompasses wholehouse improvements and concurrent repairs to 85 housing units located at the Naval Construction Battalion Center, Port Hueneme, California. Work includes complete replacement of all kitchen cabinets, counters, sinks, vents, lines, fixtures, including installation of new ranges, hoods, dishwashers, connections, and painting; replacement of floor coverings in kitchens, baths, and living/dining spaces; refinishing of hardwood floors and stairways; installation of preformed, seamless bath enclosures, cabinets, lavatories, venting, and water lines; repair of water-damaged walls, floors, and ceilings; replacement of bathroom fixtures; replacement of water heaters and venting, wall furnaces and venting, gas lines, electrical lines, panels, plumbing systems, fixtures, GFI receptacles, TV cable and outlets, interior telephone lines, terminals, telephone boxes, windows, screens, all doors and hardware, gutters, downspouts; interior/exterior painting of all buildings; relocation of water heaters; provision of hard-wired smoke detectors with battery back-up; enhancement of the front entrances of all dwelling units in conjunction with door and window replacement; and reconfiguration of floorplans.						
11. <u>REQUIREMENT</u> :						
<u>PROJECT</u>: This project will provide improvements and concurrent repairs to 85 family housing units. It represents the first of three phases.						

1. COMPONENT NAVY	94 FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NCBC PORT HUENEME, CA		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC/R-1-90
REQUIREMENT: The Bruns Park Housing Complex, consisting of 285 housing units, was constructed in 1954. In 1957, the Navy purchased this housing and in 1960 converted it to public quarters; currently, all units are designated for enlisted personnel with dependents now assigned to NCBC. This project is needed to improve the habitability of these 38-year old housing units by making repairs and providing amenities to bring these dwellings up to the standard of other family units located on the Center. CURRENT SITUATION: Kitchen conditions reflect hard usage from many different occupants. Cabinets are scarred, shelves are missing, drawers no longer have glides, fronts are loose, and mismatched replacements are never satisfactory. Leaks have caused wood to stain, mildew and rot. Countertops are badly worn, scarred, burned, and spot repairs are not possible. Kitchen sinks are stained and the finish has worn through. All are discolored by hard water. Fixtures are worn out and replacement parts are not readily available. Range hoods have no finish left and the venting is in poor condition. Stop-gap repairs are no longer adequate for water lines, and disposal lines. Electrical lines and light fixtures require replacement. Floor coverings reflect hard usage and age and tile replacements are no longer available; mismatched patches are unsightly. The original hardwood floors show heavy wear. Some hardwood near the bathrooms will need replacement due to water damage. The stairways show the worst wear in the house. These have never been replaced or refinished since construction. Electrical service is totally deficient; the system is unable to handle the personal equipment that present day occupants have. The safety of the original wiring is questionable; outlets don't meet safety codes and the meter boxes encapsulate a mess of telephone line, old meter housing, and electrical panels. Due to the age of gas service lines inside the units, and their condition, complete replacement is needed. Phone lines are in need of replacement. TV leads in the walls also need to be replaced for outlets in the living room and master bedroom. Wall furnaces and present venting systems are inefficient and outdated; The upstairs bathrooms are the problem areas in greatest need of extensive repairs and improvements. Original plumbing fixtures are still in use in most of these bathrooms. Lavatories are cracked, counters are stained and burned, and many drawers are damaged and unable to be closed. Many mirrors have worn surfaces and all fixtures have been damaged by the hard water. Tubs and shower fixtures leak. Adjacent rooms have water-damage in most of the "up-and- down" units. Due to proximity to the ocean, the metal window frames found in these units have become deeply pitted and rusted, and the "crank-type" opening device is a continuous maintenance problem for every window. Many windows will not close properly and leaking occurs. All doors throughout these units show		

1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NCBC PORT HUENEME, CA		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC/R-1-90
<u>CURRENT SITUATION:</u> (continued) years of wear. Many of these doors are originals and the locks are inoperable. Some of the doors do not close properly; exterior doors and thresholds are damaged and locksets so worn the security is impaired. Battery operated smoke detectors are currently in use. Interior stairs are too narrow or too wide, and stairwells are inconveniently located. <u>IMPACT IF NOT PROVIDED:</u> These units will remain undesirable from an assignment standpoint due to hard usage, worn appearance, and operation of outdated fixtures and appliances. Damaged cabinets, countertops, floors, walls and ceilings as well as poorly placed and mismatched lighting fixtures point out the fact that these units will continue to be high maintenance items and will continue to deteriorate even more if we are unable to carry out this project. Without these repairs and improvements, occupant dissatisfaction and demoralization will continue to increase. These on-base housing units do not meet the standard consistent with other housing units on the Center or with homes in the surrounding community; and finally maintenance expenses, and inconveniences, will continue to increase with poor damaged plumbing and electrical systems.		

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1. COMPONENT NAVY	FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE
3. INSTALLATION AND LOCATION PWC PENSACOLA, FL			4. PROJECT TITLE WHOLEHOUSE REVITALIZATION CORY HOUSING	
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HR/C-3-92	8. PROJECT COST (\$000) \$12,732.3	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS	EA	200	20.2	4,033.3
CONCURRENT REPAIRS AND MAINTENANCE	EA	200	43.5	8,699.0
TOTAL REQUEST			63.7	12,732.3
Area Cost Factor = .84				
10. DESCRIPTION OF PROPOSED CONSTRUCTION This project will provide improvements and concurrent repairs for 200 family housing units located in the Corry Housing area at PWC Pensacola. Work includes installation of double pane windows and vinyl siding on the outside of each unit; construction of covers over the front entrance walkways; modification of front entrance ways; installation of additional insulation in attics; provision of fiberglass insulated exterior doors; installation of ground fault interrupter receptacles in bathrooms and kitchens; installation of fluorescent lighting fixtures in kitchens; replacement of existing HVAC systems, bathtubs and lavatories, tank type water closets, water piping, ceramic tile in bathrooms; kitchen cabinets; and carpeting.				
11. REQUIREMENT: <u>PROJECT:</u> This project will provide improvements and concurrent repairs to 200 units located at the Corry housing area. <u>REQUIREMENT:</u> These units were constructed in 1968. This project will correct deficiencies, bring units up to new construction standards, and extend their useful life. Moreover, this project will improve the quality of life for families living in this housing area. <u>CURRENT SITUATION:</u> Windows are single pane, insulation in the attic must be added to reach an "R" value of 30. Electrical receptacles in the				

1. COMPONENT NAVY	FY 19 <u>9</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PWC PENSACOLA, FL		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HR/C-3-92
<u>CURRENT SITUATION</u> (continued): kitchens and baths are not of the GFI type. Light fixtures are worn and damaged due to the high turnover of the Navy personnel. The bathroom fixtures are old and are becoming repair problems. Leaks have developed around tubs. Water piping is located in the overhead of the houses and is not wrapped to prevent freezing. The HVAC inefficient units are worn out and the thermostats should be replaced with an energy efficient setback type. A moisture infiltration problem has developed on the inside of the CMU walls which causes deterioration of the sheetrock. <u>IMPACT IF NOT PROVIDED:</u> Failure to provide this project will result in the loss of potential energy savings, increased maintenance costs, continued occupant discomfort, and continued deterioration due to moisture infiltration through the CMU walls. The investment required for these repairs/improvements will result in more usable, functional units and increase occupant satisfaction, while preserving the Navy's investment in their assets.		

1. COMPONENT Marine Corps		FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION Marine Corps Logistics Base, Albany, GA				4. PROJECT TITLE Whole House Revitalization, Hill Village, Phase I, DOD		
5. PROGRAM ELEMENT		6. CATEGORY CODE 711	7. PROJECT NUMBER AL-H-204/1-R2		8. PROJECT COST (\$000) \$5,115.0	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
Revitalize Housing Units			EA	93	51887	4,825.5
SIOH (6%)						289.5
Total Project Cost						5,115.0
10. DESCRIPTION OF PROPOSED CONSTRUCTION Provides whole house revitalization to 17 officer and 76 enlisted DOD housing units. The work includes upgrading fixtures and electrical, plumbing, and mechanical systems; structural and architectural improvements, interior and exterior repairs, and installing fire suppression systems.						
11. REQUIREMENT: <u>Project:</u> This project will revitalize 93 DOD units and is the first phase in a program to revitalize 49 officer and 213 enlisted family housing units in Hill Village and an additional 412 units in Boyette Village. <u>Requirement:</u> This project will repair units, improve safety and habitability, and bring units into conformance with current construction standards, codes, and regulations. The project replaces outdated electrical, mechanical, and plumbing systems and fixtures including all traps in waste, soil, and vent piping; interior wall, ceiling, and floor finishes and trim; cabinets; interior and exterior doors, frames and hardware; and ceiling insulation. The project provides two full baths, utility meters, exterior wall insulation, new laundry connections, ice maker connection at refrigerators, additional square footage and storage space, fire sprinkler systems, new dropped gypsum board ceilings, range hoods with fire extinguishing systems, and additional phone and cable TV jacks.						

1. COMPONENT Marine Corps	FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION Marine Corps Logistics Base, Albany, GA		
4. PROJECT TITLE Whole House Revitalization, Hill Village, Phase I, DOD units	5. PROJECT NUMBER AL-H-204/1-R2	
<u>Current Situation:</u> These DOD units were constructed between 1955 to 1957 and require electrical upgrade (additional outlets and grounded distribution system); additional bath, kitchen cabinet, and counter and storage space; and replacement of interior finishes, doors and frames. Fire suppression systems are nonexistent and patios are not provided to some units. Maintenance and utility costs are increasing due to the age and construction of the units. <u>Impact if not Provided:</u> Failure to authorize this project will result in the further deterioration and obsolescence of these units. High energy use, excessive maintenance efforts, uncorrected potential safety hazards and occupant dissatisfaction will continue to increase. Units will not meet DOD standards. Additionally, the morale and quality of life of military families living in these units will continue to decline.		

1. COMPONENT NAVY		FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION PWC GREAT LAKES, IL				4. PROJECT TITLE WHOLEHOUSE REVITALIZATION, HALSEY VILLAGE (PHASE II)		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HC/R-1-86		8. PROJECT COST (\$000) \$11,440.7	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS			EA	178	43.7	7,779.7
CONCURRENT REPAIRS AND MAINTENANCE			EA	178	20.6	3,661.0
			EA	178	64.3	11,440.7
TOTAL REQUEST						11,440.7
Area Cost Factor - 1.28						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
This project encompasses wholehouse repairs and improvements to 178 enlisted and officer housing units in Halsey Village. Work includes provision of hard wired smoke detectors and new suspended ceilings; relocation of outlets in kitchen and dining room walls; installation of central air conditioning, ceiling light fixtures with switches in bedroom, and electric outlets in bedrooms and kitchens; provision of light fixtures in basements; provision of GFI electrical receptacles; construction of garages, patios, and storage sheds; provision of privacy fencing; additional planting; weatherstripping of exterior doors; replacement of windows, storm doors, roofing, soffits, and roof vents; addition of ceiling in basements; replacement of tubs, tub enclosures, supply, and waste and vent piping; patching of ceramic tiles; replacement of closet doors; repairs to tot lots; replacement of furnaces and bath fixtures; and modification of kitchens, to include new cabinets, counters, and configuration.						
11. <u>REQUIREMENT</u> :						
<u>PROJECT</u>: This project will provide wholehouse improvements and repairs to 178 units located at Halsey Village at PWC Great Lakes. This project is phase II.						

1. COMPONENT NAVY	FY 19__9__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PWC GREAT LAKES, IL		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC/R-1-86

REQUIREMENT: The units at Halsey Village were built in 1962. Major repairs and improvements have not been accomplished on these units since they were built. This project will correct all deficiencies, bring the units up to new construction standards, and extend their useful life by another 25 years.

CURRENT SITUATION: The cathedral type ceiling in the living/dining room and kitchen is an ineffective design feature which wastes energy. Unlike most of the other units in the Great Lakes inventory, these units are not air conditioned although central air conditioning is allowed according to DOD criteria in this location. Light fixtures in the bedrooms do not provide adequate lighting for bedroom or closet. Electric outlets in bedrooms are inadequate in number or location. Light fixtures in kitchen are inadequate, ineffective, and inefficient. Basements floors, walls or ceiling finishes are unfinished. Basement electrical wall outlets and fixtures are inadequate protection for severe climatic conditions in this area. Patios have not been provided for private outdoor living space. Storage sheds have not been provided for exterior bulk storage. Privacy fencing is needed between patios. Planting is very sparse. Weatherstripping for exterior doors is either worn, missing, damaged, and ineffectively or incorrectly installed. Windows are old, difficult to operate, poorly weatherstripped, single glazed, permit excessive air infiltration, badly worn, and do not have a thermal-break in the aluminum frame. Storm doors are poor quality and near the end of their useful life. Soffits and fascia boards are damaged, loose, and deteriorated. Soffit vents are inadequate in size. Gravel and asphalt roofs are at the end of their useful life. Attic insulation over bedrooms, closets, and halls is inadequate. Ductwork for living/dining and kitchen is not properly located and runs below the floor slab. Water is infiltrating. Ceiling in basement under the bathroom is damaged due to water leaks. Existing tubs and enclosures are a continual maintenance problem. The metal bifold closet doors are a constant maintenance problem. Tot lots are inaccessible and insufficient in number and amounts of equipment. Existing smoke detectors are battery operated, they require monitoring for proper operation, weak, dead, or missing batteries.

IMPACT IF NOT PROVIDED: Navy families will continue to live in deteriorated units. The occupants of these units will not receive the same amenities and standards of living afforded to other occupants of Great Lakes housing. As a result, quality of life and satisfaction with the Navy will suffer. Deferral of this work will lead to higher revitalization costs in the future. Maintenance costs will increase as units are kept available for occupancy.

1. COMPONENT NAVY	94 FY 19 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
3. INSTALLATION AND LOCATION U.S. NAVAL ACADEMY ANNAPOLIS, MD		4. PROJECT TITLE EXTERIOR REPAIRS TO 19 UNITS		
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HR-8-92	8. PROJECT COST (\$000) \$ 2,831.0	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING REPAIRS	EA	19	149.0	2,831.0
TOTAL REQUEST				2,831.0
Area Cost Factor = .95				
10. DESCRIPTION OF PROPOSED CONSTRUCTION This project provides essential exterior repairs to 19 historic units located at the United States Naval Academy. The work includes repairs/replacement of slate and copper roofs, repair of exterior building elements (e.g., pointing of brick), repairs/replacement of gutters and downspouts, restoration and repairs to exterior trim and porches, and abatement of lead-containing materials in the unit exteriors. 11. REQUIREMENT: PROJECT: This project will provide extensive exterior major repairs to four historic officer units. REQUIREMENT: This project represents the first phase of a planned two-year exterior restoration program. It will protect the structural integrity of the units, make them weather-tight, and preserve significant historical features. The units in this phase were constructed between 1906 and 1911. There has been no significant investment in these units in the last 25-30 years. Although the units have been maintained over the years, their overall condition, due to their age, is such that work is needed now to correct deficiencies and bring them up to contemporary standards.				

1. COMPONENT NAVY	94 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION U.S. NAVAL ACADEMY ANNAPOLIS		
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER	
<u>CURRENT SITUATION:</u> These units are in historic structures within the U.S. Naval Academy Historic District. Extensive quantities of lead-based paint on the porches is evident. Due to previous and ongoing leaks in roofing systems and gutters, there is severe wood rot and damage to wooden exterior trim elements which must now be replaced. Porches on some of the units, when constructed, were not wholly supported on piles and are experiencing severe settlement problems. <u>IMPACT IF NOT PROVIDED:</u> Without a significant investment, these units will require increasing amounts of maintenance. Eventually, some systems will fail. Occupants will be exposed to materials that contain asbestos and lead. Failure to address the roof, gutter, and downspout failures will lead to continued structural damage. The long-term retention and preservation of these historic structures will be jeopardized. Deferral of required work will result in future accomplishment at higher costs when the work can no longer be postponed.		

1. COMPONENT NAVY	94 FY 19__ MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION U.S. NAVAL ACADEMY ANNAPOLIS, MD		4. PROJECT TITLE INTERIOR REPAIRS TO 4 UNITS		
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HR-7-92	8. PROJECT COST (\$000) \$ 1,180.0	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING REPAIRS	EA	4	295.0	1,180.0
TOTAL REQUEST				1,180.0
Area Cost Factor = .95				
10. DESCRIPTION OF PROPOSED CONSTRUCTION This project provides essential interior repairs to four historic units located at the Naval Academy. The work includes the renovation of bathrooms and kitchens; replacement of damaged plaster; replacement of outmoded or unsafe electrical and plumbing systems; replacement of heating and air conditioning systems; replacement of windows; and the abatement of asbestos and lead-containing materials found inside the units.				
11. REQUIREMENT: PROJECT: This project will provide extensive major repairs to four historic officer units. REQUIREMENT: This project represents the first phase of a planned ten year restoration program. It will bring the units to contemporary housing standards while preserving significant historical building elements. The units in this phase were constructed in 1906. There as been no significant investment in these units over the last 25-30 years. Although the units have been maintained over the years, their overall condition, due to their age, is such that work is needed now to correct deficiencies and bring them up to contemporary				

1. COMPONENT NAVY	FY 19 <u>9</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION U.S. NAVAL ACADEMY ANNAPOLIS		
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER	
<u>REQUIREMENT:</u> (continued) standards. Specific building components, such as the plumbing, electrical and mechanical systems, have far exceeded their useful life, correct deficiencies and bring them up to contemporary standards. For the most part, the plumbing and electrical systems have far exceeded their useful life. <u>CURRENT SITUATION:</u> These units are in historic structures within the U.S. Naval Academy Historic District. Some of the units have severe interior plaster and paint problems. There are extensive quantities of lead-based paint on the interiors and exteriors of the units. Asbestos materials are in the pipe insulation and in some of the wall and ceiling plaster. Thermal efficiency in the units will be upgraded through the replacement of existing windows with double-glazed windows which are compatible with the historic nature of the units. The heating, plumbing, and electrical systems are original to the buildings and are beyond their useful life. They are subject to frequent failure or leaking and require constant, costly maintenance. <u>IMPACT IF NOT PROVIDED:</u> Without a significant investment, these units will require increasing amounts of maintenance. Eventually, some systems will fail. Occupants will be exposed to materials that contain asbestos and lead. Life safety code deficiencies will not be corrected. The long-term retention and preservation of these historic structures will be jeopardized. Deferral of required work will result in future accomplishment at higher costs when the work can no longer be postponed.		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NATC PATUXENT RIVER, MD				4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS/REPAIRS QUARTERS "A"		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HR/C-8-91		8. PROJECT COST (\$000) \$ 60.9	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS			ES	1	30.4	30.4
CONCURRENT REPAIRS AND MAINTENANCE			EA	1	<u>30.5</u>	<u>30.5</u>
			EA	1	60.9	60.9
TOTAL REQUEST						60.9
Area Cost Factor - 0.95						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
This project provides improvements and essential repairs to a Flag officer unit constructed in 1840. The work includes installation of a central air conditioning and heating system; replacement of kitchen cabinets, dishwashers, sink, garbage disposal, and range hoods; repairs and refinishing of hardwood flooring; and replacement of electrical outlets and switches.						
11. <u>REQUIREMENT</u> :						
<u>PROJECT</u>: The project will provide major repairs to one flag officers unit. <u>REQUIREMENT</u>: The required work identified in this project will bring this unit up to contemporary standards while preserving the structural integrity of this building constructed in 1840. Although the unit has been maintained over the years, the condition of the unit due to age, is such that the work is needed now to correct the deficiencies. <u>CURRENT SITUATION</u>: This unit does not have central air conditioning. Existing heating system has not been replaced for more than 35 years. Kitchen amenities have reached the end of their useful life, the sink, range hood, and appliances are in excess of 25 years old, cabinets have been repaired many times and are delaminating. Old pine wood plank						

1. COMPONENT NAVY	94 FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NATC PATUXENT RIVER, MD		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HR/C-8-91
<u>CURRENT SITUATION:</u> (continued) flooring needs repair and refinishing. Electrical system does not meet NEC standards and needs replacement. <u>IMPACT IF NOT PROVIDED:</u> Without this investment the unit will require increasing amounts of maintenance, life safety codes will not be corrected and long term retention of the unit will be jeopardized. Failure to execute the project will degrade the quality of this unit as well as the quality of life of the resident.		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAS WILLOW GROVE, PA				4. PROJECT TITLE WHOLEHOUSE REVITALIZATION SHENANDOAH WOODS (PHASE II)		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HC/R-3-89		8. PROJECT COST (\$000) \$ 5,410.7	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING IMPROVEMENTS		EA	93	10.4	965.0	
CONCURRENT REPAIRS AND MAINTENANCE		EA	93	<u>47.8</u>	<u>4,445.7</u>	
		EA	93	58.2	5,410.7	
TOTAL REQUEST					5,410.7	
Area Cost Factor - 1.11						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
This project encompasses wholehouse/site improvements and repairs to 93 enlisted units at Shenandoah Woods. Work includes provision of vinyl flooring in utility rooms; installation of a one-hour fire rated wall and ceiling assemblies in bulk storage closets; provision of additional kitchen wall cabinets, countertops, and new partitions; replacement of soffits; installation of powder room vanities; insulation of the attics; enlargement of bulk storage areas; installation of storage closets in garages, ceiling fans, spark ignition covers and humidifiers; screening of exterior exhaust ducts; covering exposed water pipes, replacement and installation of additional electric outlets and circuits; provision of concrete pads at utility room exits, insulation of exposed ducts; installation of privacy fencing in rear yards; replacement of interior, exterior, and garage doors including frames and hardware; repairs/ replacement of floors; repairs to concrete slabs, masonry walls, and joints in utility rooms and garages; replacement of kitchen countertops, cabinets, bathroom countertops and cabinets, windows, medicine cabinets, roof shingles, flashings, soffits and fasteners, and cracked bricks; repairs to foundation walls, expansion joints, and concrete pads; provision of splash blocks; replacement of porch column; replacement and adjustment of HVAC grilles; provision of volume dampers and high efficiency heaters; replacement of new lavatories; replacement/ installation of main circuit breakers and light fixtures; repairs to grounding connections; replacement of park benches; regrading of front and side yards; and repaving driveways.						

1. COMPONENT	FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		
3. INSTALLATION AND LOCATION		
NAS WILLOW GROVE, PA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVEMENTS	HC/R-3-89	

11. REQUIREMENT:

PROJECT: This project will provide improvements and concurrent repairs to 93 enlisted units at Shenandoah Woods at NAS Willow Grove. This project represents the second and final phase of revitalization of this area.

REQUIREMENT: The units at Shenandoah Woods were built in 1978. There have been no major repairs or improvements to these units in the last 15 years. This project will correct all deficiencies, bring the units up to new construction standards, and extend the useful life of these units by another 25 years.

CURRENT SITUATION: Kitchens are poorly laid out and lack adequate storage space. Powder rooms lack sufficient storage space and water pipes are exposed on outside walls. There is no finished flooring in utility rooms. Laundry areas do not have sufficient number of convenience outlets and lack dedicated circuits for the modern home appliances. Existing tot lots and playground equipment are deteriorated. Front and rear entrance doors and rear utility room doors are of poor quality construction and the frames and thresholds are gouged and worn. Closet door tracks and hardware are damaged and do not fit properly. Kitchen walls and base cabinets are of poor quality construction. Countertops have lifted at the edges and have bubbles. Interior flooring and baseboards have deteriorated due to age and water damage from routine cleaning techniques. Sub-flooring on the second floor is not anchored to main floor. Bathroom sinks and vanities are chipped and marred. Interior finishes in bathrooms are delaminating. Medicine cabinets are rusting. Sliding patio doors and slider window in second floor bedrooms are difficult to open, the hardware is deteriorated and the pane is single glazed with no thermal break. Powder room access panelboards do not have adequate fire rating. Electrical panelboxes have no main power disconnect switches. Light fixtures are ungrounded and antiquated. Garage door frames are warped, rotten and do not provide weather tight seals. Asphalt roof shingles are worn, buckled and are lifting up. Gas fired furnaces are inefficient. Interior stair treads are split, defecting, and squeaky. Stair railings do not comply with safety standards. Some supply and return air grills are rusted and deteriorated and flange fasteners are not adequately secured to walls. Cement parging on foundation walls is spalling, cracked or missing.

1. COMPONENT NAVY	FY 19__9 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAS WILLOW GROVE, PA		
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER HC/R-3-89	
IMPACT IF NOT PROVIDED: Families will continue to live in deteriorated homes which lack many of the amenities found in other units in the Willow Grove inventory. Quality of life and satisfaction with the Navy will suffer. Electrical code violations will continue and occupants could be subjected to electrical shock in the kitchen/laundry area. Rooms will remain cluttered due to lack of proper storage space. Utility bills will remain high and energy will continue to be wasted.		

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1. COMPONENT NAVY		FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION PWC NORFOLK, VA			4. PROJECT TITLE WHOLEHOUSE REVITALIZATION, TORGERSON			
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HC/R-24-91		8. PROJECT COST (\$000) \$ 6,693.5	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS			EA	114	29.2	3,330.7
CONCURRENT REPAIRS AND MAINTENANCE			EA	114	<u>29.5</u>	<u>3,362.8</u>
			EA	114	58.7	6,693.5
TOTAL REQUEST						6,693.5
Area Cost Factor = .92						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
This project provides wholehouse/site repairs and improvements to 114 Torgersen family housing units. The work includes replacing kitchen cabinets and bathroom vanities, counter tops, sinks and bathroom exhaust fans and the installation of range hoods; replacing interior bi-fold doors, patio doors and storm doors, and mechanical and storage room doors; plumbing repairs and replacement of hot water heaters and all plumbing fixtures; repairing electrical system and replacement of service mains, exterior and interior light fixtures, and service panels; repairing roofs, replacing flooring; HVAC repairs and replacement of condenser units; repairing sidewalks, driveways, parking lots and repairing and resurfacing roads; installing landscaping; constructing brick fence around the patio and air conditioning equipment, and constructing playgrounds.						
11. <u>REQUIREMENT</u> :						
PROJECT: This project will provide all necessary wholehouse/site repairs and improvements to 114 enlisted family housing units at PWC Norfolk. REQUIREMENT: This project will correct all major structural, mechanical, and electrical deficiencies in these family housing units and site as well as provide quarters that are fully adequate, comparable to other local housing in the area, and fully energy efficient.						

1. COMPONENT NAVY	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PWC NORFOLK, VA		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC/R-24-91
CURRENT SITUATION: The kitchen cabinets and bathroom vanities can no longer be repaired. The aluminum storm doors and patio glass doors require replacement and are not energy efficient. The interior bi-fold closet doors are damaged beyond economical repair due to normal wear. The doors to the mechanical rooms need to be replaced. The plumbing system needs the replacement of the lavatory and kitchen faucets which are corroded and deteriorated. The bathtubs are old, deteriorated and unsightly. The bathroom exhaust fans are nearing their life expectancy and noisy. The gas domestic hot water tanks are reaching their normal and useful life expectancy and are showing signs of deterioration. The air conditioning system condensing units are approaching the end of their average life expectancy. The electrical service entrance cable is aged and weather damaged. The cable's outer insulation covering is worn to the point of exposing the inner wiring to the elements. Electrical service panels have reached their life expectancy and are inadequate for future wiring circuits. The lighting fixtures are aged and wiring is brittle due to normal wear, and have loose internal connections. The units do not have range hoods. Sidewalks, driveways, parking lots and roads have corner breaks, cracks and pot holes. There are no tot lots, sport courts, nor playgrounds located on this facility. IMPACT IF NOT PROVIDED: Repair and maintenance costs are increasing as the deterioration of various building components increase. Plumbing and electrical systems are becoming increasing difficult to repair without major demolition of walls and ceilings. Occupant attitudes will become increasingly more negative as the deterioration continues. Delay in project accomplishment only increases the maintenance/repair costs.		

1. COMPONENT NAVY		FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NSY PUGET SOUND, WA				4. PROJECT TITLE WHOLEHOUSE REVITALIZATION, JACKSON PARK (PHASE II)		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HC-2-85		8. PROJECT COST (\$000) \$ 4,807.0	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS			EA	90	31.3	2,820.3
CONCURRENT REPAIRS AND MAINTENANCE			EA	90	<u>22.1</u>	<u>1,986.7</u>
			EA	90	53.4	4,807.0
TOTAL REQUEST						4,807.0
Area Cost Factor = 0.98						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
This project provides for wholehouse repairs and improvements to 98 units, detached carports, and other real property. Work includes installation of dishwashers, garbage disposals, cabinets, range hoods, countertops, stainless steel wall guards behind stoves, modification of kitchens, master bathrooms, and plumbing (3-BR units); provision of overhead bedroom/closet lighting; improvement of kitchen and bathroom lighting; installation of combination storm/screen doors, replacement of sliding glass patio doors and all windows; lowering of bathroom ceilings; improvement of bathroom and kitchen ventilation; installation of hard wired smoke detectors with battery backup; replacement of flooring and molding, water heaters; and repairs to siding, privacy fences, exterior storage and trash areas and interior and exterior painting. Other real property improvements and repairs include provision of additional off-street parking, steps on steep walkways, grading and paving on sides of carports, new sidewalks, rockery or retaining walls, playgrounds and landscaping; repaving of roads; repairs to sidewalks damaged by roots; replacement of broken parking bumpers; and relocation of catch basins.						
11. <u>REQUIREMENT:</u>						
<u>PROJECTS:</u> This project will provide wholehouse repairs/improvements to 14 2-BR single level units, 48 3-BR townhouse units, 28 4-BR townhouse units, associated detached carports, and other real property. This project is phases II.						

1. COMPONENT NAVY	2. DATE
FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NSY PUGET SOUND, WA	
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER HC-2-85
CURRENT SITUATION: Solid core entry doors, exposed to the elements since construction, show severe weathering. Combination storm/screen doors will allow added ventilation for the units in warm weather and improve resident comfort by reducing cold air infiltration and heat loss in colder months. Single glazed windows and patio doors are not energy efficient and do not operate freely in their present state. The 12 foot high bathroom ceiling cannot be cleaned by residents, and the seven foot high exhaust fans cannot ventilate the high area adequately. The lack of sufficient ventilation creates excessive moisture and mildew buildup on the bathroom ceilings which increases maintenance cost. Because no bedroom lighting is provided, residents are obligated to provide more than the usual amount of table lamps to light these rooms. Kitchens are small and inconvenient. The finish on range hoods shows the effects of abrasive cleanser and have become dented over the years. These units contain neither dishwashers or disposals. Kitchen cabinets and countertops, dishwashers, garbage disposals, and a more functional floor plan will provide a convenience which is already available to other family housing and community residents. Battery operated smoke detectors should be replaced with a hard-wired system containing a battery backup. Incandescent lighting should be replaced with energy efficient fluorescent type fixtures. Hardwood parquet flooring in living areas is too thin to be further sanded and refinished. Nine inch vinyl floor tiles, which have unsightly cracks and gaps caused by settling of the buildings, can no longer be matched. The base moldings and trim show wear and tear. Existing formica lavatory vanity shelving is chipped and stained. Rather than below sink storage cabinets, these bathrooms have only shelves. Medicine cabinet interiors are rusted. Fiberglass tubs have hairline cracks and are worn. Floor plan in main bath is a poor use of space and is inconvenient and cumbersome for the users. Minor modifications will alleviate this problem. Decking and rails have become weathered, and dryrot is pervasive. Plywood canopy shrouds over bedroom windows also show signs of dryrot and are extremely weathered. Lack of pedestrian walkways promotes cutting across landscaped areas, crating unsightly erosion. Grassy areas against the sides of the carports are always unkempt and promote pest infestation. Some paved sidewalks are too steep for a safe descent to the front door of the quarters and need to be replaced with steps and handrails. Parking is so limited that many occupants have only one parking space for their use. Lighting is minimal. Asphalt sidewalks are breaking up due to tree roots, parking bumpers are broken in numerous location, and catch basins are poorly located in the middle of pathways. Roads are in need of repairs. Areas which are too steep to mow are constant eyesores and sources of erosion.	

1. COMPONENT NAVY	FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NSY PUGET SOUND, WA		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC-2-85
<u>IMPACT IF NOT PROVIDED:</u> These are the only remaining units at Jackson Park without dishwashers and garbage disposals. Without improvements and repairs to these 90 units, energy waste and high maintenance cost will continue to escalate and the condition of the units will deteriorate at an accelerated rate. Lack of improvements and repairs on the other real property in this area will escalate erosion, promote accidents, and increase unsightliness of the area. Occupant dissatisfaction and demoralization will continue and, in all likelihood, escalate.		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NSY PUGET SOUND, WA			4. PROJECT TITLE WHOLEHOUSE REVITALIZATION, JACKSON PARK		
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-1-91	8. PROJECT COST (\$000) \$ 5,658.0		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING IMPROVEMENTS	EA	100	37.5	3,749.0	
CONCURRENT REPAIRS AND MAINTENANCE	EA	100	<u>19.1</u>	<u>1,909.0</u>	
	EA	100	56.5	5,658.0	
TOTAL REQUEST				5,658.0	
Area Cost Factor - 0.98					
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
This project provides for wholehouse improvements and concurrent repairs to 100 units located at Jackson Park. Work includes replacement of base molding and flooring throughout units, bathroom accessories, range hoods, kitchen and bath exhaust fans, stair treads and risers, siding, privacy fences and exterior storage areas; redesign of trash can enclosures; replacement of windows in bathrooms; replacement of tubs, sinks, and vanities; replacement of all interior and exterior doors and hardware, all electrical switches, receptacles and light fixtures; painting of interiors and exteriors; replacement of sliding glass doors and windows; provision of formica wall guards behind stoves; removal of wall fans and installation of range hoods; modification of kitchens; replacement of kitchen cabinets, countertops, sinks, and disposals; redesign of half-bath (three and four bedroom units) that is adjacent to kitchen and utility room; provision of bedroom lighting; installation of bathroom fans and sliding glass doors to bathtubs; provision of combination storm/screen doors; installation of sheet rock walls and sheet vinyl flooring; improvement of lighting; installation of storage shelves; provision of additional off-street parking and steps on steep walkways; modification of curbs for wheelchair access; grading and paving on sides of carports and rockery or retaining walls where needed; repavement of roads; repairs to sidewalks damaged by tree roots; removal of overgrown trees; replacement of broken parking bumpers, and relocation of catch basins.					

1. COMPONENT NAVY	94 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTA. PLANTING LOCATION WA		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC-1-91

11. REQUIREMENT:

PROJECT: This project will provide wholehouse improvements to 34 two bedroom units, 38 three bedroom units, 28 four bedroom units, detached carports, and other real property.

REQUIREMENT: These units at Jackson Park were built in 1968. With the exception of new roofs, no major repairs or improvements have been accomplished on these units in 20 years. Major repairs and improvements are required to these units in order to correct all deficiencies, bring the units up to new construction standards, and extend the useful life of these units by another 25 years.

CURRENT SITUATION: Solid core entry doors, exposed to the elements since construction, show severe weathering. Single glazed windows and patio doors are not energy efficient an do not operate freely in their present state. Because no bedroom lighting is provided, residents are obligated to provide more than usual amount of table lamps to light these rooms. Further, this phase of construction was built on a heavily wooded area which tends to filter out much of the natural light. Kitchens are small and inconvenient. Kitchen cabinets and countertops are chipped, cracked and stained. The addition of new cabinets, countertops, and range hoods will provide a clean and more efficient layout. The vinyl sheet floor and floor tiles can no longer be cleaned. The floor coverings have unsightly cracks, tears, stains, and gaps caused by settling of the buildings. The base molding and trim show wear and tear. The bathroom hardware and accessories are chipped and stained. Bathrooms have no storage space or shelves. Medicine cabinet interiors are rusted. Tubs have scratches and stains. Bathtubs have no sliding glass door, water spills on to the floors and walls. Remove windows, install shelves and bathroom fans. Floor plan for first floor occupants cannot use this bathroom. Modifications will alleviate this problem. Battery operated smoke detectors should be replaced with a hard-wired system containing a battery backup. Plywood canopy shrouds over upstairs bedroom windows also show signs of dry rot and are extremely weathered. Lack of pedestrian walkways invites people to walk through landscaped areas creating unsightly damage. Grassy areas against the sides of the carports are always unkempt and promote pest infestation. Some paved sidewalks are too steep for a safe descent to the front door of the quarters and need to be replaced with steps and handrails. Parking is so limited that many families have only one parking space for their use. Lighting is minimal. Asphalt sidewalks are breaking up due to tree roots, parking bumpers are broken in numerous location and catch basins are poorly located in the center of pathways. Roads are in need of repaving throughout this area. Rockery and retaining walls are needed in areas too steep to mow. These steep

1. COMPONENT NAVY	94 FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NSY PUGET SOUND, WA		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC-1-91
areas are constant eyesores and locations of severe erosion. Some overgrown trees and shrubs block the sunlight from entering yard thus preventing the uniform growth of any greenery in the shaded areas. <u>IMPACT IF NOT PROVIDED:</u> Without improvements to these 100 units, energy waste and high maintenance costs will continue to escalate and the condition of the units will deteriorate at an accelerated rate. Lack of improvements on the other real property in the FY 68 area of construction will escalate erosion, promote accidents, and increase unsightliness of the area. Improper drainage will cause deterioration of improvements. Failure to approve this project will result in the deterioration of the quality of life of Navy families, and will decrease the habitability of these Navy family housing units.		

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1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION PWC GUAM, MI				4. PROJECT TITLE WHOLEHOUSE REVITALIZATION NCTAMS WESTPAC FINEGAYAN		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HC/R-8-85		8. PROJECT COST (\$000) \$ 3,480.0	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS			EA	27	52.2	1,410.0
CONCURRENT REPAIRS AND MAINTENANCE			EA	27	<u>76.6</u>	<u>2,070.0</u>
			EA	27	128.8	3,480.0
TOTAL REQUEST						3,480
Area Cost Factor - 2.24						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
This project proposes repairs and improvements to 27 enlisted and officer family housing units at NCTAMS WESTPAC Finegayan. Work includes replacement of architectural finishes (kitchen base and wall cabinets, bathroom tiles, vinyl floor tiles, exterior walls, weather stripping, exterior/interior doors and painting), plumbing (kitchen and bathroom exhaust fans, bathtubs, garbage disposals, bathroom access panels, water closets, lavatories, water heaters, range hoods and kitchen sinks); and electrical components (ground-fault outlets, disconnect switches and light fixtures); construction of carports with storage and driveways, trash enclosures, patios, privacy walls, additional half baths; and installation of dishwashers, sliding glass doors, gutters and downspouts.						
11. <u>REQUIREMENT</u> :						
<u>PROJECT</u>: Provide repairs and improvements to 27 enlisted and officer family housing units.						
<u>REQUIREMENT</u>: This project is required to restore the aesthetic and functional performance, convenience and comfort, and quality living environment of the housing unit and to enhance morale and stability of Navy families.						

1. COMPONENT NAVY	94 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PWC GUAM, HI		
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER HC/R-8-85	
CURRENT SITUATION: The existing 30 year old Family Housing units are in poor condition due to ravages of the elements along with age. The architectural finishes are dilapidated and damaged by termite infestation, constant use and normal wear and tear. The plumbing fixtures, piping and accessories are pitted and the electrical system is malfunctioning due to rust and age. Cars are parked on the streets, exposed to corrosive elements which are extra harsh on Guam due to salt air, high temperatures and typhoons. During street cleanings, cars must be moved causing inconvenience to occupants. Lack of sufficient storage forces occupants to store personal property, tools, bikes, grills in the open resulting in rapid deterioration, danger to children and invitation to theft. The rear of the quarters is plain and provides no privacy for outdoor activities. Ten units are not equipped with dishwashers although these appliances are standard design features in modern homes. Rain puddles cause erosion and possible undermining of foundations without gutters and downspouts to divert water properly. Rain splatters also cause unsightly permanent soil stains on exterior walls. IMPACT IF NOT PROVIDED: Continued occupancy of these dwelling units in their present state of disrepair will accelerate their deterioration and have an adverse effect on the morale and retention of highly trained and skilled military personnel. Occupant relations will suffer, service calls and management problems will increase.		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION PWC GUAM, MI				4. PROJECT TITLE WHOLEHOUSE REVITALIZATION OLD APRA HEIGHTS		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HC/R-51-84		8. PROJECT COST (\$000) \$ 3,500.0	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS			EA	24	52.0	1,250.0
CONCURRENT REPAIRS AND MAINTENANCE			EA	24	<u>93.8</u>	<u>2,250.0</u>
			EA	24	145.8	3,500.0
TOTAL REQUEST						3,500.0
Area Cost Factor = 2.24						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
This project will provide repairs and improvements to 24 family housing units in Old Apra Heights. Work includes replacement of exterior and interior doors (including hardware), wooden partitions, floor finishes, roof insulation, kitchen base and wall hung cabinets, bathroom floors, wall finishes, closet shelving, water heater enclosures, trim and moldings, plumbing fixtures, toilet accessories, rangehoods, air conditioning units, wiring devices, aluminum conduits, metal raceway and wirings, telephone wiring and cable TV systems, switches and incandescent light fixtures; construction/installation of covered patios, trash enclosures, exterior storage, gutters, downspouts, clothes dryer, solar window film, exhaust fans, dishwashers, garbage disposals, stainless steel backplates, and doorbells; and provision of exterior electrical outlets.						
11. <u>REQUIREMENT</u> :						
PROJECT: This project will provide wholehouse repairs and improvements to 24 officer family housing units located at Old Apra Heights at PWC Guam.						
REQUIREMENT: This project is required to bring the Old Apra Heights Navy family housing units to commonly accepted American standards of comfort and convenience; to retrofit existing facilities for the specific purpose of reducing the consumption of non-renewable energy; and to restore the aesthetic and functional use of the housing units to enhance morale and family stability of the military and civilian occupants.						

1. COMPONENT NAVY	94 FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PWC GUAM, HI		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC/R-51-84
CURRENT SITUATION: The existing 37 year old Family Housing units are in poor condition due to their age and ravages of the elements. The interior architectural finishes are damaged and worn out by termite infestation and normal usage. The plumbing and bathroom fixtures are pitted and the electrical and air conditioning systems are malfunctioning due to rust. The present condition of these housing units is not conducive to attracting and retaining skilled and motivated personnel. IMPACT IF NOT PROVIDED: Failure to provide repairs and improvements will have an adverse effect on the morale and retention of highly skilled and trained personnel. Continued occupancy of these units in their present state of disrepair will accelerate deterioration and service calls, management problems will increase and occupant relations will suffer. The existing condition of these housing units present a poor "first impression" of military life on Guam.		

1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL STATION ROTA, SPAIN				4. PROJECT TITLE WHOLEHOUSE REVITALIZATION USA HOMES		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711	7. PROJECT NUMBER HC/R-4-88		8. PROJECT COST (\$000) \$ 7,680.8	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS			EA	100	33.8	3,380.0
CONCURRENT REPAIRS AND MAINTENANCE			EA	100	43.0	4,300.8
TOTAL REQUEST			EA	100	76.8	7,680.8
Area Cost Factor = 1.10						
10. DESCRIPTION OF PROPOSED CONSTRUCTION The project provides for comprehensive improvements and repairs to 102 USA family housing units. Work includes installation of ceiling fans, GFI receptacles, kitchen exhaust fans, and central air conditioning; relocation of storage sheds away from the patios; construction of carports and entrance ways; replacement of roofs, downspouts, soffits, water heaters, interior doors and frames; replacement of electrical wiring, light fixtures, switch covers, bathroom fixtures, plumbing and tile; replacement of all floor coverings and repair of wooden floor structural support; landscaping of parking lots and common areas; provision of additional playgrounds, walkways, secondary roads, and alleys; replacement of all fencing, damaged basketball courts, sidewalks and roads; regrading and covering of ditches; and underground burial of phone and power lines and cut-off valves.						
11. <u>REQUIREMENT:</u> PROJECT: This project will provide all necessary wholehouse/site repairs and improvements to 102 USA family housing units at NS Rota, Spain. REQUIREMENT: The USA housing units were built in 1966. Major improvements have not been accomplished on these units. This project will correct all major structural, mechanical, and electrical deficiencies, bring the units up to new construction standards, and extend the useful life by another 25 years. This project will also provide quarters that are fully adequate, comparable to other local housing in the area, and fully energy efficient.						

1. COMPONENT NAVY	94 FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION ROTA, SPAIN		
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER HC/R-4-88
<u>CURRENT SITUATION:</u> Roofs, downspouts, gutters and soffits are deteriorated and leak. Water heaters are at the end of their normal usable life. Interior doors, frames, and hardware are old, do not work properly and require replacement. Electrical wiring, fixtures, and switchcovers are aged and worn and present a shock and safety hazard, as well as provide unreliable service. Bathroom fixtures, plumbing and tile require replacement due to age and deterioration. Wooden floor structural supports are deteriorated as a result of settlement and moisture problems. The units do not have carports, enclosed entrance ways, or air conditioning. Fencing is deteriorated. <u>IMPACT IF NOT PROVIDED:</u> Repair and maintenance costs are increasing as the deterioration of various building components increase. Occupant attitudes will become more negative as the deterioration continues. Delay in project accomplishment increases the maintenance/repair costs.		

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET ESTIMATE
ADVANCE PLANNING AND DESIGN

(In Thousands)

FY 1994 Program \$23,214
FY 1993 Program \$14,200

Purpose and Scope

This program provides for working drawings, specifications and estimates, project planning reports, and final design drawings for construction projects (authorized or not yet authorized) and the development of Comprehensive Neighborhood Plans for the revitalization of family housing. This includes the use of architectural and engineering services in connection with any family housing new construction or construction improvements.

Program Summary

The amount requested will enable full execution of the construction program. Authorization is requested for appropriation of \$23,214,000 to fund new construction, improvements and major repair design requirements.

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1. COMPONENT NAVY		FY 19 ⁹⁴ MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES				4. PROJECT TITLE FAMILY HOUSING ADVANCE PLANNING AND DESIGN		
5. PROGRAM ELEMENT VARIES		6. CATEGORY CODE VARIES		7. PROJECT NUMBER VARIES		8. PROJECT COST (\$000) \$23,214
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
ADVANCE PLANNING AND DESIGN					--	--
NEW CONSTRUCTION				L/S	--	(4,179)
IMPROVEMENTS				L/S	--	(19,035)
TOTAL REQUEST						23,214
10. DESCRIPTION OF PROPOSED CONSTRUCTION 10 USC authorizes funding for architectural and engineering services and construction design of military family housing new construction and construction improvement projects. Funds are required for continuation of a worldwide asbestos and lead screening effort and the development of Comprehensive Neighborhood Plans for Navy family housing.						
11. REQUIREMENT: VARIES All project estimates are based on sound engineering and the best cost data available. Design is initiated to establish project estimates in advance of program submittal to the Congress. At the preliminary design, final plans and specifications are then prepared. The request does not include costs for architectural and engineering services, turnkey evaluation and construction design. The presence of asbestos and lead (e.g. lead-based paint) is a major problem in Navy family housing. In Fiscal Year 1993, the Navy will embark on a worldwide effort to inspect, screen, and test family housing for asbestos and lead contamination. The Navy will also initiate the development of Comprehensive Neighborhood Plans. The purpose of these plans is to integrate thematic approaches, such as overall base appearance and compatibility with the surrounding community into the revitalization program and will provide a basis for project phasing.						
IMPACT IF NOT PROVIDED: Project execution schedules for Fiscal Years 1994, 1995 and 1996 will not be met. Planning and Programming will suffer and continue on an ad hoc basis. This will result in costly change orders and differences in architectural themes and amenities in the same neighborhood.						

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - 1994 BUDGET
OPERATION AND MAINTENANCE

(S000)
FY 1994 Program 783,678
FY 1993 Program 601,682

Program Summary

Authorization is requested for appropriation of \$768,252,000. This amount, together with estimated reimbursements of 15,426,000 will fund the Fiscal Year 1994 program of \$783,678,000.

A summary of the funding program for Fiscal Year 1994 follows:

	<u>Appropriation Request</u>					<u>Total</u>
	<u>Operations</u>	<u>Utilities</u>	<u>Maintenance</u>	<u>Total</u>	<u>Reimbursements</u>	<u>Program</u>
NAVY	\$165,575,000	\$159,608,000	\$340,460,000	\$665,643,000	\$12,926,000	\$678,569,000
MARINE CORPS	<u>\$21,809,000</u>	<u>\$38,967,000</u>	<u>\$41,833,000</u>	<u>\$102,609,000</u>	<u>\$2,500,000</u>	<u>\$105,109,000</u>
TOTAL DON	\$187,384,000	\$198,575,000	\$382,293,000	\$768,252,000	\$15,426,000	\$783,678,000

JUSTIFICATION (NAVY):

The Fiscal Year 1994 estimated program was formulated utilizing the Office of Management and Budget's published inflationary factors and foreign currency exchange rates.

A reconciliation of estimates provided for each program element follows.

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FAMILY HOUSING, NAVY
FY 1994
REPROGRAMMING AND PROPOSED FUNDING ALIGNMENT
(\$000)

<u>ACCOUNT/SUB</u>	<u>FY 1992</u>	<u>REASON ACTION TAKEN/PROPOSED</u>
MANAGEMENT	\$6,847	Funds are required to fund Defense Base Operating Fund (DBOF) increases and salaries.
SERVICES	\$820	Funds are required to fund Defense Base Operating Fund (DBOF) increases.
FURNISHINGS	(\$1,740)	Funds are available for realignment due to the closure of family housing units in the Philippines.
MISCELLANEOUS	(\$56)	Funds are available for realignment due to the decreased number of Navy personnel residing in Coast Guard units.
UTILITIES	(\$4,153)	Funds are available for realignment due to the mild winter and closure of family housing units in the Philippines.
LEASING	(\$6,791)	Funds are available for realignment due to delays in receiving units in Naples, Sigonella and the Section 801 program.
MAINTENANCE	\$5,073	Funds are required to decrease the backlog of maintenance and repair.

Family Housing, Marine Corps
FY 1994 Budget
Reprogramming and Proposed Funding Realignment

(\$000)

<u>Account/Sub</u>	<u>FY92 Amount</u>	<u>FY93 Amount</u>	<u>Reason Action Taken/Proposed</u>
Management			
Proposed	\$ 510		Required for administrative indirect support costs and increased labor.
Proposed		\$ 0	No reprogramming anticipated
Services			
Proposed	\$1,253		Support of service contracts for refuse and pest control and indirect support costs for fire and police protection.
Proposed		\$ 0	No reprogramming anticipated
Furnishings			
Proposed	(\$ 93)		Funds are available for reprogramming due to reduced requirements.
Proposed		\$ 0	No reprogramming anticipated.
Utilities			
Proposed	(\$ 391)		Funds are available for reprogramming as utility rates and consumption decreased.
Proposed		\$ 0	No reprogramming anticipated.
Maintenance			
Proposed	\$ 58		Required for support of major repair projects and increased contract costs.
Proposed		\$ 0	No reprogramming anticipated.
Leasing			
Proposed	(\$1,337)		Funds available for reprogramming due to reduced requirements for 801 project costs and domestic leasing.
Proposed		\$ 0	No reprogramming anticipated.

Family Housing, Marine Corps
FY 1994 Budget
Reprogramming and Proposed Funding Realignment
(\$000)

<u>Account/Sub</u>	<u>FY94 Amount</u>	<u>Reason Action Taken/Proposed</u>
Management Proposed	\$ 0	No reprogramming anticipated.
Services Proposed	\$ 0	No reprogramming anticipated.
Furnishings Proposed	\$ 0	No reprogramming anticipated.
Utilities Proposed	\$ 0	No reprogramming anticipated.
Maintenance Proposed	\$ 0	No reprogramming anticipated.
Leasing Proposed	\$ 0	No reprogramming anticipated.

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DEPARTMENT OF THE NAVY														
FY 1994 OPERATIONS AND MAINTENANCE (EXCLUDES LEASED UNITS AND COSTS)														
GEOGRAPHIC - WORLDWIDE														
FY 1992					FY 1993					FY 1994				
A. INVENTORY DATA														
Units in Being Beginning of Year		94,972		92,904		92,902		93,802						
Units in Being at End of Year		92,904		93,802		93,802		93,160						
Average Inventory for Year		93,868		93,253		93,253		94,391						
Requiring OAM Funding														
a. Continental U.S.		79,504		79,872		80,458		80,458						
b. U.S. Overseas		5,263		5,262		5,249		5,249						
0		9,121		9,320		9,878		9,878						
d. Worldwide		93,888		93,254		94,365		94,365						
Total	Unit	Cost	Pay	Non-Pay	Total	Unit	Cost	Pay	Non-Pay					
(\$000)		(\$000)	(\$000)	(\$000)	(\$000)		(\$000)	(\$000)	(\$000)					
B. FUNDING REQUIREMENT														
1. OPERATIONS														
a. Operating Expenses														
(1) Management	68,504	730	51,443	17,051	68,294	732	56,610	11,674	91,932					
(2) Service	41,178	439	14,739	26,440	41,849	448	15,591	25,958	51,822					
(3) Furnishings	21,872	233	5,790	18,082	23,786	255	4,874	18,892	42,877					
(4) Miscellaneous	934	10	0	934	1,068	11	0	1,068	1,153					
Subtotal Direct Obligations	132,488	1,411	71,972	60,517	134,987	1,444	77,075	57,582	187,384					
Anticipated Reimbursements	2,549	27	0	2,549	2,863	29	0	2,863	4,327					
Estimated Gross Obligations	135,038	1,438	71,972	63,066	137,850	1,473	77,075	60,445	191,711					
Utilities	189,384	2,017	1,747	187,837	194,110	2,082	1,801	192,309	198,575					
Anticipated Reimbursements	2,884	29	0	2,884	2,761	30	0	2,761	3,982					
Estimated Gross Obligations	192,078	2,046	1,747	190,331	196,871	2,111	1,801	195,070	202,557					
3. MAINTENANCE														
a. Maintenance & Repair of Dwellings	266,878	2,864	34,240	234,638	223,359	2,398	30,838	192,521	323,210					
b. Exterior Utilities	16,569	178	1,581	14,988	13,951	149	1,403	12,478	20,974					
c. Maintenance & Repair of Other	22,159	236	3,944	18,215	18,709	201	3,450	15,259	27,837					
Real Property	9,359	100	1,258	8,101	6,891	74	1,077	5,814	10,272					
Alterations and Additions	316,965	3,378	41,023	275,942	282,840	2,819	36,768	226,072	382,293					
Subtotal Direct Obligations	4,485	48	0	4,485	4,641	50	0	4,641	7,117					
Anticipated Reimbursements	321,450	3,424	41,023	280,427	287,481	2,868	36,768	230,713	389,410					
Estimated Gross Obligations	638,638	6,804	114,742	524,096	591,617	6,344	115,844	478,973	788,282					
4. GRAND TOTAL, OAM - Direct Obligations														
5. GRAND TOTAL -														
Anticipated Reimbursements	9,728	104	0	9,728	10,065	108	0	10,065	15,426					
Grand Total, OAM - Gross Obligations	648,566	6,908	114,742	533,824	601,682	6,452	115,844	489,038	783,678					
6. GRAND TOTAL, OAM - Gross Obligations														
7. GRAND TOTAL, OAM - Gross Obligations														
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26. GRAND TOTAL, OAM - Gross Obligations														
27. GRAND TOTAL, OAM - Gross Obligations														
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DEPARTMENT OF THE NAVY FAMILY HOUSING, NAVY FY 1994 OPERATIONS AND MAINTENANCE (EXCLUDES LEASED UNITS AND COSTS) GEOGRAPHIC - WORLDWIDE															
FY 1992							FY 1993							FY 1994	
A. INVENTORY DATA															
Units in Being Beginning of Year	72,228						70,254						70,817		
Units in Being at End of Year	70,254						70,817						71,745		
Average Inventory for Year	71,241						70,536						71,282		
Requiring O&M Funding															
a. Continental U.S.	57,316						57,434						57,852		
b. U.S. Overseas	5,263						5,263						5,266		
c. Foreign	8,662						7,640						8,174		
d. Worldwide	71,241						70,536						71,282		
Total		Unit	Pay	Non-Pay	Total	Unit	Pay	Non-Pay	Total	Unit	Pay	Non-Pay			
(\$000)	Cost	(\$000)	(\$000)	(\$000)	(\$000)	Cost	(\$000)	(\$000)	(\$000)	Cost	(\$000)	(\$000)	(\$000)		
B. FUNDING REQUIREMENT															
1. OPERATIONS															
a. Operating Expenses															
(1) Management	59,134	630	46,045	13,069	59,573	830	51,047	7,526	81,220	1,139	63,808	17,612			
(2) Service	32,809	458	13,325	19,264	33,259	472	14,134	19,125	42,572	567	15,031	27,641			
(3) Furnishings	19,658	276	4,735	14,923	21,456	304	3,767	17,672	40,830	570	2,523	36,107			
(4) Miscellaneous	934	13	0	934	1,068	15	0	1,068	1,153	16	0	1,153			
Subtotal Direct Obligations	112,335	1,577	64,105	48,230	114,359	1,821	68,968	45,391	166,576	2,323	81,162	84,413			
Anticipated Reimbursements	1,994	28	0	1,994	2,067	29	0	2,067	3,231	45	0	3,231			
Estimated Gross Obligations	114,329	1,605	64,105	50,224	116,426	1,851	68,968	47,458	168,806	2,368	81,162	87,644			
(5) Utilities	154,361	2,167	803	153,558	158,962	2,254	828	158,134	159,808	2,239	830	158,778			
Anticipated Reimbursements	1,915	27	0	1,915	1,982	28	0	1,982	3,103	44	0	3,103			
Estimated Gross Obligations	156,276	2,194	803	155,473	160,944	2,282	828	160,116	162,711	2,283	830	161,881			
2. MAINTENANCE															
a. Maintenance & Repair of Dwellings	219,800	3,085	25,484	194,336	187,885	2,864	21,794	166,091	282,639	3,965	26,230	254,408			
b. Exterior Utilities	18,989	223	1,268	14,581	13,581	193	1,103	12,478	20,407	286	1,429	18,978			
c. Maintenance & Repair of Other	21,159	267	3,525	17,834	18,109	237	3,016	15,093	27,210	362	3,810	23,400			
Real Property															
d. Alterations and Additions	7935	111	1,258	6,877	6,791	98	1,077	5,714	10,204	143	1,247	8,967			
Subtotal Direct Obligations	264,763	3,718	31,635	233,228	226,366	3,208	26,900	199,376	340,460	4,778	34,716	305,744			
Anticipated Reimbursements	4,089	57	0	4,089	4,216	60	0	4,216	6,592	92	0	6,592			
Estimated Gross Obligations	268,852	3,774	31,635	237,297	230,582	3,268	26,900	203,592	347,052	4,869	34,716	312,336			
4. GRAND TOTAL, O&M - Direct Obligations	531,459	7,490	96,443	435,016	499,037	7,064	96,768	402,901	665,843	9,358	116,708	648,958			
5. GRAND TOTAL -															
Anticipated Reimbursements	7,978	112	0	7,978	8,285	117	0	8,285	12,926	181	0	12,926			
6. GRAND TOTAL, O&M - Gross Obligations	539,437	7,572	96,443	442,994	507,952	7,201	96,768	411,186	678,569	9,520	116,708	661,861			

DEPARTMENT OF THE NAVY FAMILY HOUSING, NAVY FY 1994 OPERATIONS AND MAINTENANCE (EXCLUDES LEASED UNITS AND COSTS) GEOGRAPHIC - CONUS															
FY 1992							FY 1993							FY 1994	
A. INVENTORY DATA															
Units in Being Beginning of Year	57,290						57,342					57,525			
Units in Being at End of Year	57,342						57,525					58,179			
Average Inventory for Year	57,316						57,434					57,852			
Requiring O&M Funding															
a. Continuous U.S.	57,316						57,434					57,852			
b. U.S. Overseas	0						0					0			
c. Foreign	0						0					0			
d. Worldwide	57,316						57,434					57,852			
Total (\$000)		Unit	Cost	Pay (\$000)	Non-Pay (\$000)	Total (\$000)	Unit	Cost	Pay (\$000)	Non-Pay (\$000)	Total (\$000)	Unit	Cost	Pay (\$000)	Non-Pay (\$000)
B. FUNDING REQUIREMENT															
1. OPERATIONS															
a. Operating Expenses															
(1) Management	51,174	893		38,371	12,803	48,862	816	40,873	5,989	65,322	1,129	50,886	14,436		
(2) Services	24,771	432		10,859	14,112	24,943	434	11,307	13,636	32,569	563	11,831	20,938		
(3) Furnishings	8,870	155		2,941	8,929	9,856	168	2,352	7,303	18,289	318	984	17,305		
(4) Miscellaneous	891	12		0	891	790	14	0	790	853	15	0	853		
Subtotal Direct Obligations	85,506	1,492		51,971	33,535	82,250	1,432	54,532	27,718	117,033	2,023	63,501	53,532		
Anticipated Reimbursements	1,566	28		0	1,566	1,653	29	0	1,653	2,585	45	0	2,585		
Estimated Gross Obligations	87,101	1,520		51,971	35,130	83,903	1,461	54,532	29,371	119,618	2,068	63,501	56,117		
UTILITIES	108,054	1,885		617	107,437	111,275	1,937	636	110,639	111,851	1,933	638	111,213		
Anticipated Reimbursements	1,832	27		0	1,832	1,585	28	0	1,585	2,483	43	0	2,483		
Estimated Gross Obligations	109,586	1,912		617	108,969	112,860	1,965	636	112,224	114,334	1,976	638	113,696		
3. MAINTENANCE															
a. Maintenance & Repair of Dwellings	164,920	2,877		21,952	142,968	140,914	2,454	18,788	122,126	212,064	3,668	23,713	188,351		
b. Exterior Utilities	7,617	133		1,110	6,507	6,519	114	951	5,568	9,796	169	1,200	8,596		
c. Maintenance & Repair of Other	18,738	292		2,963	13,775	14,325	249	2,835	11,700	21,825	372	3,088	18,439		
Real Property															
d. Alterations and Additions	6,902	120		1031	5,871	5,907	103	883	5,024	6,878	153	1,036	7,841		
Subtotal Direct Obligations	196,177	3,423		27,056	169,121	167,865	2,919	23,157	144,508	282,261	4,360	29,034	223,227		
Anticipated Reimbursements	3,254	57		0	3,254	3,372	59	0	3,372	5,273	91	0	5,273		
Estimated Gross Obligations	199,431	3,479		27,056	172,375	171,037	2,978	23,157	147,880	287,534	4,452	29,034	228,500		
4. GRAND TOTAL, O&M - Direct Obligations	389,737	6,800		79,644	310,093	381,190	6,289	78,325	282,885	481,145	8,317	93,173	387,972		
5. GRAND TOTAL - Anticipated Reimbursements	6,381	111		0	6,381	6,810	115	0	6,810	10,341	179	0	10,341		
6. GRAND TOTAL, O&M - Gross Obligations	396,118	6,911		79,644	316,474	387,990	6,404	78,325	289,475	491,486	8,496	93,173	398,313		

DEPARTMENT OF THE NAVY
FAMILY HOUSING, NAVY
FY 1994 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - OVERSEAS

	FY 1992				FY 1993				FY 1994			
	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)
A. INVENTORY DATA												
Units in Being Beginning of Year	5,264				5,262				5,262			
Units in Being at End of Year	5,262				5,262				5,249			
Average Inventory for Year	5,263				5,262				5,256			
Requiring OAM Funding												
a. Continental U.S.	0				0				0			
b. U.S. Overseas	5,263				5,262				5,256			
c. Foreign	0				0				0			
d. Worldwide	5,263				5,262				5,256			
Total (\$000)												
B. FUNDING REQUIREMENT												
1. OPERATIONS												
a. Operating Expenses												
(1) Management	3,837	729	2,886	1,151	4,100	779	3,561	539	5,566	1,059	4,453	1,113
(2) Services	3,762	715	1,279	2,483	3,991	768	1,357	2,634	4,801	914	1,632	3,169
(3) Furnishings	5,863	1,116	1,059	4,824	6,437	1,223	847	5,590	12,163	2,318	908	11,275
(4) Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Direct Obligations	13,462	2,562	5,024	8,458	14,528	2,761	5,765	8,763	22,550	4,291	6,993	15,557
Anticipated Reimbursements	319	61	0	319	331	63	0	331	317	96	0	517
Estimated Gross Obligations	13,801	2,622	5,024	8,777	14,859	2,824	5,765	9,094	23,067	4,386	6,993	16,074
2. UTILITIES	23,153	4,399	93	23,060	23,843	4,531	96	23,747	23,876	4,543	96	23,782
Anticipated Reimbursements	306	59	0	306	317	60	0	317	496	94	0	495
Estimated Gross Obligations	23,459	4,457	93	23,366	24,160	4,591	96	24,064	24,373	4,638	96	24,277
3. MAINTENANCE												
a. Maintenance & Repair of Dwellings	35,123	8,674	2,196	32,928	30,061	5,713	1,879	28,182	45,168	8,994	2,823	42,345
b. Exterior Utilities	5,078	965	111	4,967	4,348	828	95	4,253	6,530	1,243	143	6,387
c. Maintenance & Repair of Other	2,539	492	355	2,184	2,173	413	304	1,869	3,265	621	457	2,808
Real Property												
d. Alterations and Additions	316	60	61	255	271	52	53	218	408	77	80	328
Subtotal Direct Obligations	43,066	8,161	2,722	40,334	36,651	7,003	2,331	34,520	55,399	10,536	3,503	51,896
Anticipated Reimbursements	651	124	0	651	674	126	0	674	1,064	201	0	1,064
Estimated Gross Obligations	43,707	8,305	2,722	40,985	37,325	7,131	2,331	35,194	56,423	10,736	3,503	52,920
4. GRAND TOTAL, OAM - Direct Obligations	79,691	15,142	7,839	71,852	75,222	14,295	8,192	67,030	101,797	19,370	10,592	91,205
5. GRAND TOTAL -												
Anticipated Reimbursements	1,276	242	0	1,276	1,322	251	0	1,322	2,066	393	0	2,066
6. GRAND TOTAL, OAM - Gross Obligations	80,967	15,384	7,839	73,128	76,544	14,547	8,192	68,352	103,863	19,763	10,592	93,271

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DEPARTMENT OF THE NAVY FAMILY HOUSING, NAVY FY 1994 OPERATIONS AND MAINTENANCE (EXCLUDES LEASED UNITS AND COSTS) GEOGRAPHIC - FOREIGN													
FY 1992							FY 1993						
A. INVENTORY DATA							FY 1994						
Units In Being Beginning of Year							8,030						
Units In Being at End of Year							8,317						
Average Inventory for Year							8,174						
Requiring O&M Funding							0						
a. Contingent U.S.							0						
b. U.S. Overseas							0						
c. Foreign							8,174						
d. Worldwide							8,174						
Total (\$000)							8,174						
B. FUNDING REQUIREMENT													
1. OPERATIONS													
a. Operating Expenses													
(1) Management							7,123						
(2) Services							4,078						
(3) Furnishings							4,006						
(4) Miscellaneous							243						
Subtotal Direct Obligations							16,347						
Anticipated Reimbursements							80						
Estimated Gross Obligations							16,427						
2. UTILITIES							23,154						
Anticipated Reimbursements							77						
Estimated Gross Obligations							23,231						
3. MAINTENANCE													
a. Maintenance & Repair of Dwellings							19,757						
b. Exterior Utilities							3,174						
c. Maintenance & Repair of Other							1,882						
Real Property													
d. Alterations and Additions							717						
Subtotal Direct Obligations							25,530						
Anticipated Reimbursements							164						
Estimated Gross Obligations							25,694						
4. GRAND TOTAL, O&M - Direct Obligations							65,031						
5. GRAND TOTAL - Anticipated Reimbursements							321						
6. GRAND TOTAL, O&M - Gross Obligations							65,352						

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DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 1984 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - WORLDWIDE

	FY 1982				FY 1983				FY 1984			
	Total (9000)	Unit Cost	Pay (9000)	Non-Pay (9000)	Total (9000)	Unit Cost	Pay (9000)	Non-Pay (9000)	Total (9000)	Unit Cost	Pay (9000)	Non-Pay (9000)
A. INVENTORY DATA												
Units In Being Beginning of Year	22,644				22,650				22,765			
Units In Being at End of Year	22,650				22,765				23,435			
Average Inventory for Year	22,647				22,718				23,110			
Requiring O&M Funding												
a. Continental U.S.	22,158				22,238				22,608			
b. U.S. Overseas	0				0				0			
c. Foreign	459				480				504			
d. Worldwide	22,647				22,718				23,110			
B. FUNDING REQUIREMENT												
1. OPERATIONS												
a. Operating Expenses												
(1) Management	9,570	414	5,398	3,972	9,711	427	5,563	4,148	10,712	464	5,740	4,972
(2) Services	8,570	378	1,414	7,156	8,290	365	1,457	6,833	9,060	362	1,504	7,556
(3) Furnishings	2,214	98	1,055	1,159	2,307	102	1,057	1,220	2,047	89	1,122	825
(4) Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Direct Obligations	20,154	890	7,867	12,287	20,308	894	8,107	12,201	21,809	944	8,368	13,443
Anticipated Reimbursements	555	25	0	555	598	28	0	598	1,098	47	0	1,098
Estimated Gross Obligations	20,709	914	7,867	12,842	20,904	920	8,107	12,797	22,905	991	8,368	14,539
2. UTILITIES												
Anticipated Reimbursements	35,023	1,546	944	34,079	35,148	1,547	973	34,175	38,967	1,668	1,004	37,963
Estimated Gross Obligations	779	34	0	779	779	34	0	779	879	38	0	879
Subtotal Direct Obligations	35,802	1,581	944	34,858	35,927	1,581	973	34,954	39,846	1,724	1,004	38,842
3. MAINTENANCE												
a. Maintenance & Repair of Dwellings	49,078	2,197	9,778	40,302	35,474	1,592	9,044	26,430	40,571	1,756	9,332	31,239
b. Exterior Utilities	700	31	293	407	300	13	300	0	597	25	312	255
c. Maintenance & Repair of Other	1,000	44	419	581	600	29	434	168	627	27	448	181
Reed Property												
d. Alterations and Additions	1,424	63	0	1,424	100	4	0	100	98	3	0	98
Subtotal Direct Obligations	52,202	2,305	9,488	42,714	36,474	1,609	9,778	26,698	41,833	1,810	10,090	31,743
Anticipated Reimbursements	418	18	0	418	425	19	0	425	525	23	0	525
Estimated Gross Obligations	52,618	2,323	9,488	43,130	36,899	1,624	9,778	27,121	42,358	1,833	10,090	32,268
4. GRAND TOTAL, O&M - Direct Obligations	107,379	4,741	18,299	89,080	91,800	4,047	18,558	73,072	102,608	4,440	19,490	83,149
5. GRAND TOTAL -												
Anticipated Reimbursements	1,750	77	0	1,750	1,800	79	0	1,800	2,500	108	0	2,500
6. GRAND TOTAL, O&M - Gross Obligations	109,129	4,819	18,299	90,830	93,730	4,126	18,558	74,872	105,108	4,548	19,490	85,649

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 1994 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - CONUS

	FY 1992				FY 1993				FY 1994			
	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)
A. INVENTORY DATA												
Units in Being Beginning of Year	22,188				22,188				22,288			
Units in Being at End of Year	22,188				22,288				22,824			
Average Inventory for Year	22,188				22,238				22,806			
Requiring O&M Funding												
a. Continuous U.S.	22,188				22,238				22,806			
b. U.S. Overseas	0				0				0			
c. Foreign	0				0				0			
d. Worldwide	22,188				22,238				22,806			
B. FUNDING REQUIREMENT												
1. OPERATIONS												
a. Operating Expenses												
(1) Management	8,808	401	5,164	3,744	9,217	414	5,320	3,897	10,199	451	5,488	4,711
(2) Services	8,394	378	1,378	7,016	8,138	366	1,421	6,717	8,888	383	1,497	7,421
(3) Furnishings	1,970	89	1,022	948	2,044	92	1,053	991	1,768	79	1,087	689
(4) Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Direct Obligations	19,272	869	7,566	11,707	19,399	872	7,794	11,605	20,873	923	8,042	12,831
Anticipated Reimbursements	554	25	0	554	595	27	0	595	1,095	48	0	1,095
Estimated Gross Obligations	19,826	894	7,566	12,261	19,994	899	7,794	12,200	21,968	972	8,042	13,926
2. UTILITIES	33,380	1,504	944	32,436	33,483	1,506	973	32,520	37,203	1,846	1,004	36,199
Anticipated Reimbursements	779	35	0	779	779	35	0	779	879	39	0	879
Estimated Gross Obligations	34,159	1,540	944	33,215	34,272	1,541	973	33,299	38,082	1,885	1,004	37,078
3. MAINTENANCE												
a. Maintenance & Repair of Dwellings	48,438	2,183	8,570	39,868	34,828	1,596	8,830	25,998	39,884	1,764	9,110	30,774
b. Exterior Utilities	700	32	283	407	300	13	300	0	697	26	312	255
c. Maintenance & Repair of Other	813	37	404	409	435	20	418	17	458	20	429	29
Real Property												
d. Alterations and Additions	1,394	63	0	1,394	77	3	0	77	45	2	0	45
Subtotal Direct Obligations	51,345	2,314	9,257	42,078	35,638	1,633	9,548	26,090	40,964	1,812	9,851	31,103
Anticipated Reimbursements	414	19	0	414	422	19	0	422	622	23	0	622
Estimated Gross Obligations	51,759	2,333	9,257	42,492	36,060	1,652	9,548	26,512	41,476	1,835	9,851	31,625
4. GRAND TOTAL, O&M - Direct Obligations	103,997	4,697	17,776	86,221	88,530	3,981	18,315	70,215	99,030	4,381	18,897	80,133
5. GRAND TOTAL -												
Anticipated Reimbursements	1,747	79	0	1,747	1,768	81	0	1,768	2,468	110	0	2,468
6. GRAND TOTAL, O&M - Gross Obligations	105,744	4,766	17,776	87,968	90,298	4,062	18,315	72,011	101,528	4,491	18,897	82,601

**DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FY 1984 OPERATIONS AND MAINTENANCE
(EXCLUDES LEASED UNITS AND COSTS)
GEOGRAPHIC - FOREIGN**

	FY 1982				FY 1983				FY 1984			
	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)	Total (\$000)	Unit Cost	Pay (\$000)	Non-Pay (\$000)
A. INVENTORY DATA												
Units In Being Beginning of Year	458				482				497			
Units In Being at End of Year	482				497				510			
Average Inventory for Year	459				480				504			
Requiring O&M Funding												
a. Continuous U.S.	0				0				0			
b. U.S. Overseas	0				0				0			
c. Foreign	459				480				504			
d. Worldwide	459				480				504			
B. FUNDING REQUIREMENT												
1. OPERATIONS												
a. Operating Expenses												
(1) Management	482	1,007	234	228	494	1,030	243	251	513	1,019	252	281
(2) Services	178	383	35	141	182	317	36	116	182	322	37	125
(3) Furnishings	244	532	33	211	253	548	34	229	281	618	35	228
(4) Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Direct Obligations	882	1,822	302	580	909	1,895	313	596	966	1,859	324	612
Anticipated Reimbursements	1	2	0	1	1	2	0	1	1	2	0	1
Estimated Gross Obligations	883	1,824	302	581	910	1,897	313	597	967	1,861	324	613
UTILITIES	1,843	3,580	0	1,843	1,855	3,452	0	1,855	1,784	3,503	0	1,784
Anticipated Reimbursements	0	0	0	0	0	0	0	0	0	0	0	0
Estimated Gross Obligations	1,843	3,580	0	1,843	1,855	3,452	0	1,855	1,784	3,503	0	1,784
3. MAINTENANCE												
a. Maintenance & Repair of Dwellings	840	1,384	206	434	848	1,351	214	434	887	1,384	222	465
b. Exterior Utilities	0	0	0	0	0	0	0	0	0	0	0	0
c. Maintenance & Repair of Other	187	407	15	172	185	344	16	149	189	336	17	152
Real Property												
d. Alterations and Additions	30	65	0	30	23	48	0	23	23	48	0	23
Subtotal Direct Obligations	857	1,857	221	636	836	1,743	230	606	879	1,748	239	640
Anticipated Reimbursements	2	4	0	2	3	6	0	3	3	6	0	3
Estimated Gross Obligations	859	1,871	221	638	839	1,750	230	609	882	1,754	239	643
4. GRAND TOTAL, O&M - Direct Obligations	3,382	7,388	523	2,859	3,400	7,091	543	2,857	3,579	7,108	563	3,018
5. GRAND TOTAL -												
Anticipated Reimbursements	3	7	0	3	4	8	0	4	4	8	0	4
6. GRAND TOTAL, O&M - Gross Obligations	3,385	7,375	523	2,862	3,404	7,099	543	2,861	3,583	7,116	563	3,020

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Claimant: Naval Facilities Engineering Command
Budget Activity: Family Housing, Navy

I. Description of program element

Management. Includes resources for direct and indirect expenses incident to the administration of the family housing program such as housing office personnel and operations, administrative support, training, travel, programming and studies, and community liaison. Housing referral costs are also included, although the housing referral program assists personnel in locating housing in the private community, and is not related to the operation or management of military family housing units.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>Budget Request</u>	<u>FY 1993 Approp</u>	<u>Current Estimate</u>	<u>FY 1994</u>
Management	59,134	58,573	58,573	58,573	81,220
B. Reconciliation of budget to current estimate					
1. FY 1993 budget request					58,573
2. FY 1993 appropriation					58,573
3. FY 1993 current estimate					58,573
C. Reconciliation of increases and decreases					
1. FY 1993 current estimate					58,573
2. Pricing adjustments					8,447
a. civilian personnel compensation				(848)	
(1) classified			406		
(2) FN direct			276		
(3) FN indirect			166		
b. defense business operations fund increases				(4,462)	
c. other pricing adjustments				(3,137)	
(1) administrative support increases			1,205		
(2) inflation			543		
(3) restore funding for activities removed from base closure list - San Francisco El Centro, Louisville, South Weymouth and Bermuda			1,389		
3. Program increases					14,200
a. acquisition of automated systems, software development, software maintenance and implementation				(7,375)	
b. quality of life enhancement				(6,825)	
(1) Increase staffing by 115 workyears to provide better housing referral assistance to customers - 2 to 3 hours or one workyear per activity in CONUS and 7 to 12 hours or one and one half workyears per activity OCONUS (total requirement is 250 and will be phased in over a 3 year period)			3,473		

(2) Procure state-of-the-art office equipment (fax machines, video monitors, slide projectors, answering machines, copy machines, touchtone phone systems)	<u>839</u>
(3) implement deposit waiver programs at 27 activities	<u>913</u>
(4) conduct home buying/selling workshops at 100 activities	<u>100</u>
(5) establish showing services at 10 activities	<u>600</u>
(6) establish relocation data base	<u>300</u>
(7) establish Welcome Centers - Pensacola and San Diego	<u>600</u>

D. FY 1994 budget request

81,220

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT.

Pricing adjustments are proposed to the Management Account for pay raises, defense business operations fund increases, administrative support, inflation, and restoral of funding deleted during the BRCC II assessment for those activities later removed from the closure list. In addition, this request continues the CNO and SECNAV direction to upgrade quality of life through a program called Neighborhoods of Excellence (NOE) by providing quality customer services to Navy families through expanded housing office hours, provision of off base showing services, enhancement of referral services, intensive customer service training for housing office staffs, implementation of the deposit waiver program at additional activities, and installation of state of the art office equipment at various activities.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Claimant: Naval Facilities Engineering Command
 Budget Activity: Family Housing, Navy

I. Description of program element

Services. Provides resources for direct and indirect expenses incident to basic support services such as refuse collection and disposal, fire and police protection, pest control, custodial, snow removal, and street cleaning.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>Budget Request</u>	<u>FY 1993 Approp</u>	<u>Current Estimate</u>	<u>FY 1994</u>
Services	32,609	33,259	33,259	33,259	42,572
B. Reconciliation of budget to current estimate					
1. FY 1993 budget request					33,259
2. FY 1993 appropriation					33,259
3. FY 1993 current estimate					33,259
C. Reconciliation of increases and decreases					
1. FY 1993 current estimate					33,259
2. Pricing adjustments					7,562
a. defense business operations fund increases				(5,773)	
b. other pricing adjustments				(1,789)	
(1) indirect support for fire and police			213		
(2) inflation			893		
(3) restore funding for act- ivities removed from base closure list - San Francisco, El Centro, Louisville, South Weymouth and Bermuda			683		
3. Program increases					1,751
a. services for new units coming on line				(1,124)	
b. recycling initiatives				(627)	
D. FY 1994 budget request					42,572

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT.

Pricing adjustments are proposed in the Services Account for defense business operations fund increases, inflation, and restoral of funding deleted during the BRCC II assessment for those activities later removed from the closure list. The funding adjustments also include additional indirect support costs for fire and police protection, and costs associated with providing pest control, street cleaning, snow removal, refuse collection, trash disposal for newly acquired units, and newly enacted city, county or state ordinances for recycling.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Claimant: Naval Facilities Engineering Command
Budget Activity: Family Housing, Navy

I. Description of program element

Furnishings. Includes resources for the procurement of initial issue or replacement of household equipment (primarily stoves and refrigerators), furniture overseas; the warehousing, moving and handling of furnishing inventories; and the maintenance and repair of such items.

II. Financial Summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>Budget Request</u>	<u>FY 1993 Approp</u>	<u>Current Estimate</u>	<u>FY 1994</u>
Furnishings	19,658	21,459	21,459	21,459	40,630
B. Reconciliation of budget to current estimate					
1. FY 1993 budget request					21,459
2. FY 1993 appropriation					21,459
3. FY 1993 current estimate					21,459
C. Reconciliation of increases and decreases					
1. FY 1993 current estimate					21,459
2. Pricing adjustments					1,207
a. civilian personnel compensation				(143)	
(1) wage			55		
(2) FN direct			41		
(3) FN indirect			47		
b. other pricing adjustments				(1,064)	
(1) inflation			622		
(2) restore funding for activities removed from base closure list - San Francisco, El Centrol, Louisville, South Weymouth and Bermuda			442		
3. Program increases					17,964
a. overseas loaner furnishings program				(259)	
b. provide upgraded, energy efficient refrigerators in 6,000 or 8% of family housing inventory				(6,600)	
c. provide upgraded, energy efficient stoves in 6,000 or 8% of family housing inventory				(4,110)	
d. provide window coverings in 6000 or 8% of family housing inventory				(3,905)	
e. provide 500 additional sets of loaner furniture for arriving/departing families overseas				(1,500)	

- f. provide 150 sets of full-tour
furnishings for overseas
families (1,575)
- g. lease furnishings warehouse
in Chinhae, Korea (15)

D. FY 1994 budget request

40,630

RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT.

The proposed FY 1994 Furnishings Account program provides for a basic furnishings program with increases included for pay raises, inflation, and restoral of funding deleted during the BRCC II assessment for those activities later removed from the base closure list. In addition, this requests continues the CNO and SECNAV direction to upgrade quality of life through a program called Neighborhoods of Excellence (NOE) by providing quality, energy efficient appliances, window coverings; and overseas, providing loaner furniture consistent with U. S. standards and what Army and Air Force families already receive. The Navy relies primarily on the local community for housing Navy families. Local community homes outside the U.S. generally lack stoves, refrigerators, kitchen cabinets, closets, washers, dryers and vary in their electrical voltage. This program will provide stoves, refrigerators, washers, dryers, electrical transformers, wardrobes and kitchen cabinets. These items will be made available to Navy families for the duration of their tour, thus increasing the livability of off base units and eliminating the cost of procuring these items to the military member. In addition, the loaner furnishings program will allow for provision of furniture for families arriving in overseas locations while their household goods are in transit (normal shipping time can exceed 3 months.)

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Claimant: Naval Facilities Engineering Command
Budget Activity: Family Housing, Navy

I. Description of program element

Miscellaneous. Includes resources for costs not included in any other category, such as mobile home hookups and disconnections, payments to the Coast Guard for Navy occupancy of their units, and United Kingdom accommodation charges.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>Budget Request</u>	<u>FY 1993 Approp</u>	<u>Current Estimate</u>	<u>FY 1994</u>
Miscellaneous	<u>934</u>	<u>1,068</u>	<u>1,068</u>	<u>1,068</u>	<u>1,153</u>
B. Reconciliation of budget to current estimate					
1. FY 1993 budget request					<u>1,068</u>
2. FY 1993 appropriation					<u>1,068</u>
3. FY 1993 current estimate					<u>1,068</u>
C. Reconciliation of increases and decreases					
1. FY 1993 current estimate					<u>1,068</u>
2. Pricing adjustments					<u>35</u>
a. other pricing adjustments				<u>(35)</u>	
(1) inflation			<u>35</u>		
3. Program increases					<u>161</u>
a. program adjustments for Coast Guard ISSA's				<u>(41)</u>	
b. recomputation of UK Accommodation charges				<u>(120)</u>	
4. Program decreases					<u>-111</u>
a. closure of H.E. Holt				<u>(-111)</u>	
D. FY 1994 budget request					<u>1,153</u>

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT.

Increased estimates for these charges are based on United Kingdom's revised method of computing U.K. Accommodation Charges and an increase in the number of Coast Guard family housing units Navy families will be occupying where Navy is required to pay actual Operations and Maintenance costs at those locations. The Miscellaneous Account reflects a decrease as a result of the U.S. Navy vacating the facilities at H. E. Holt, Australia, eliminating the requirement to pay land lease charges.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Claimant: Naval Facilities Engineering Command
Budget Activity: Family Housing, Navy

I. Description of program element

Utilities. Includes all utility services provided to family housing, such as electricity, gas, fuel oil, steam, water and sewage, and excludes telephone service.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>Budget Request</u>	<u>FY 1993 Approp</u>	<u>Current Estimate</u>	<u>FY 1994</u>
Utilities	<u>154,361</u>	<u>158,962</u>	<u>158,962</u>	<u>158,962</u>	<u>159,608</u>

B. Reconciliation of budget to current estimate

1. FY 1993 budget request	<u>158,962</u>
2. FY 1993 appropriation	<u>158,962</u>
3. FY 1993 current estimate	<u>158,962</u>

C. Reconciliation of increases and decreases

1. FY 1993 current estimate	<u>158,962</u>
2. Pricing adjustments	<u>10,384</u>
a. defense business operations fund increases	<u>(5,372)</u>
b. other pricing adjustments	<u>(5,012)</u>
(1) inflation	<u>5,012</u>
3. Program decreases	<u>-9,738</u>
a. base closures and realignments	<u>(-9,738)</u>

D. FY 1994 budget request

159,608

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT.

The Utilities Account proposes an increase for defense business operations fund adjustments and price increases. Program increases are for costs associated with providing electricity, gas, water, and sewage for newly acquired or constructed units. The Navy Family Housing Program continues to stress energy conservation through provision of energy efficient appliances and HVAC systems, energy conservation measures incorporated in new construction and revitalization projects, and aggressive occupant energy conservation awareness programs.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Claimant: Naval Facilities Engineering Command
Budget Activity: Family Housing, Navy

I. Description of program element

Maintenance/Repair of Dwellings. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs.

Exterior Utilities. Includes maintenance, repair and replacement of electricity, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity utility rates attributable to distribution system maintenance when separately identified.

Other Real Property. Includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas, and community facilities.

Alterations and Additions. Includes minor incidental improvements to dwellings or other real property performed with operation and maintenance funds.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>Budget Request</u>	<u>FY 1993</u> <u>Approp</u>	<u>Current Estimate</u>	<u>FY 1994</u>
Maintenance	<u>264,763</u>	<u>226,366</u>	<u>226,366</u>	<u>226,366</u>	<u>340,460</u>

B. Reconciliation of budget to current estimate

1. FY 1993 budget request	<u>226,366</u>
2. FY 1993 appropriation	<u>226,366</u>
3. FY 1993 current estimate	<u>226,366</u>

C. Reconciliation of increases and decreases

1. FY 1993 current estimate		<u>226,366</u>
2. Pricing adjustments		<u>16,793</u>
a. defense business operations fund increases		<u>11,609)</u>
b. other pricing adjustments		<u>(5,184)</u>
(1) inflation	<u>5,184</u>	
3. Program increase		<u>101,690</u>
a. fully fund maintenance requirements to stop the backlog from increasing further		<u>(56,486)</u>
b. increase funding for repair projects less than \$15K to eliminate the revitalization backlog by 1999		<u>(40,904)</u>
c. expand self-help materials at 25 activities		<u>(1,800)</u>
d. expand hours of maintenance service at 25 activities		<u>(2,500)</u>
4. Program decrease		<u>-4,389</u>
a. Government of Japan burdensharing		<u>(-4,389)</u>

D. FY 1994 budget request		<u>340,460</u>

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT.

Price increases in FY 1994 are for costs associated with inflation and defense business operations fund increases required to maintain over 74,000 family housing units. Program decreases are reimbursements received from the Government of Japan for utility burdensharing. Reimbursements received from the Government of Japan will be expended in the Maintenance Account as the utility costs must be paid in advance. In addition, this request continues the CNO and SECNAV direction to upgrade the quality of life for Navy families through a program called Neighborhoods of Excellence (NOE) by fully funding annual maintenance requirements, funding minor repair projects (less than \$15K) to reduce the backlog, expanding hours maintenance will be performed, performing maintenance through appointment, and providing additional self-help materials to the residents.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Claimant: Naval Facilities Engineering Command
Budget Activity: Family Housing, Navy

I. Description of program element

Reimbursements. Includes collections received from rental of Navy family housing to foreign national, civilian and Coast Guard personnel; collections for rental of mobile home spaces; collections for burdensharing by the Government of Japan, and collections for occupant-caused damages.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>Budget Request</u>	<u>FY 1993 Approp</u>	<u>Current Estimate</u>	<u>FY 1994</u>
Reimbursements	<u>7,978</u>	<u>8,265</u>	<u>8,265</u>	<u>8,265</u>	<u>12,926</u>

B. Reconciliation of budget to current estimate

1. FY 1993 budget request				<u>8,265</u>	
2. FY 1993 appropriation				<u>8,265</u>	
3. FY 1993 current estimate				<u>8,265</u>	

C. Reconciliation of increases and decreases

1. FY 1993 current estimate					<u>8,265</u>
2. Pricing adjustments					<u>272</u>
a. other pricing adjustments				<u>(272)</u>	
(1) inflation			<u>272</u>		
3. Program increases					<u>4,389</u>
a. Burdensharing by GOJ				<u>(4,389)</u>	

D. FY 1994 budget request

12,926

RATIONALE FOR CHANGES IN THE REIMBURSABLE COLLECTIONS.

The proposed FY 1994 Reimbursable Collections increase includes a pricing adjustment due to inflation and a program increase due to anticipated reimbursements by the Government of Japan for utilities under the burdensharing program.

US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

MANAGEMENT

I. Description of program element

Management. The Management account provides for direct and indirect expenses in managing the family housing program such as personnel payroll, pay increases, administrative support, housing referral, community liaison, and training and travel associated with the Real Property Maintenance/Family Housing System (RPM/FHS) computer initiative.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>FY 1993</u>		<u>FY 1994</u>
		<u>Budget Request</u>	<u>Current Estimate</u>	
Management	9,370	9,711	9,711	10,712

B. Reconciliation of budget to current estimate

1. FY 1993 budget request	9,711
2. Current estimate	9,711

C. Reconciliation of increases and decreases

1. FY 1993 current estimate	9,711
2. Pricing adjustments	630
a. inflation increases	(268)
b. civilian personnel compensation	(150)
c. indirect support costs	(212)
3. Program Growth	371
a. administrative support	(15)
b. new units on line	(200)
c. increased training and travel	(56)
d. computer support (RPM/FHS)	(100)

D. FY 1994 budget request	10,712

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US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

[REDACTED]

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT

The management account provides for increased funding for inflation to existing expenses for direct and indirect costs in managing the family housing program such as personnel payroll, pay increases, administrative support, housing referral, community liaison, and training and travel associated with the Real Property Maintenance/Family Housing System (RPM/FHS) computer initiative, Marine Corps Workshops and Family Housing Management Institute (Jacksonville FL).

US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

SERVICES

I. Description of program element

Services. Includes direct and indirect expenses incident to providing basic support services such as refuse collection and disposal, fire and police protection, pest control, custodial, snow removal, and street cleaning.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>FY 1993</u>		
		<u>Budget</u>	<u>Current</u>	
		<u>Request</u>	<u>Estimate</u>	<u>FY 1994</u>
Services	8,570	8,290	8,290	9,050

B. Reconciliation of budget to current estimate

1. FY 1993 budget request	8,290
2. Current estimate	8,290

C. Reconciliation of increases and decreases

1. FY 1993 current estimate	8,290
2. Pricing adjustments	579
a. civilian pay compensation	(100)
b. indirect support costs for fire and police support for new units on line	(230)
c. allowable inflation	(249)
3. Program increase	304
a. contractual increase for new units on line	(183)
b. implementation of the recycling program	(121)
4. Program decrease	(123)
a. decrease for rehab new units off line	(-123)

D. FY 1994 budget request	9,050

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US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

[REDACTED]

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT.

The services account reflects a decrease in the program for reduction of contractual services for the rehab units off line, and reflects funding adjustments proposed for rate and inflation increases using approved inflationary factors, costs associated with the existing units and newly acquired units for fire and police protection, pest control, street cleaning, snow removal, and refuse collection, and the cost associated with the implementation of the recycling program.

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350

US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

FURNISHINGS

I. Description of program element

Furnishings. Includes the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>FY 1993</u>		<u>FY 1994</u>
		<u>Budget</u>	<u>Current</u>	
		<u>Request</u>	<u>Estimate</u>	
Furnishings	2,214	2,307	2,307	2,047

B. Reconciliation of budget to current estimate

1. FY 1993 budget request	2,307
2. Current estimate	2,307

C. Reconciliation of increases and decreases

1. FY 1993 current estimate	2,307
2. Pricing adjustments	46
a. allowable inflation	(46)
3. Program decrease	(306)
a. reduction for rehab units	
off line	(-194)
b. reduction of inventory requirement	(-112)

D. FY 1994 budget request	2,047

US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
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Exhibit OP-5

Budget Activity: Family Housing, Marine Corps



RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT.

The estimate reflects a decrease based on units off line for revitalization and an accountable reduction of inventory requirements of furniture and movable equipment (stoves, refrigerators, etc.). The funds requested will enable a consistent program level of maintenance and replacement of the existing inventory.

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US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

UTILITIES

I. Description of program element

Utilities. Includes all utility services provided to family housing, such as electricity, gas, fuel oil, water and sewage, excluding telephone service.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>FY 1993</u>	
		Budget Request	Current Estimate
			<u>FY 1994</u>
Utilities	35,023	35,148	35,148 38,967

B. Reconciliation of budget to current estimate

1. FY 1993 budget request	35,148
2. Current estimate	35,148

C. Reconciliation of increases and decreases

1. FY 1993 current estimate	35,148
2. Pricing adjustments	1,727
a. allowable inflation	(1,054)
b. rate increase	(387)
c. new units on line	(286)
3. Program increase	2,257
a. new units on line	(1,174)
b. 801 leasing	(1,083)
4. Program decrease	(165)
a. reduction for rehab units off line	(-165)

D. FY 1994 budget request	38,967

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US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
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Budget Activity: Family Housing, Marine Corps



RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT.

Family Housing utilities are priced by known rates or in accordance with OSD/OMB pricing guidance. Energy conservation is stressed. Program decreases reflect a reduced usage for rehab units off line. Program increases are for costs associated with providing electricity, heat, water, and sewage for 801 leased units and new and existing units on line, and inflation.

US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

MAINTENANCE EXPENSES

I. Description of program element

Maintenance. Includes the following areas:

Maintenance/Repair of Dwellings. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs.

Exterior Utilities. Includes maintenance, repair and replacement of electricity, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity utility rates attributable to distribution system maintenance when separately identified.

Other Real Property. Includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas, and community facilities.

Alterations and Additions. Includes minor incidental improvements to dwellings or other real property performed with operation and maintenance funds under the authority of 10 USC 2805.

II. Financial summary (\$000)

A. Program element breakout

		<u>FY 1993</u>		
	<u>FY 1992</u>	<u>Budget Request</u>	<u>Current Estimate</u>	<u>FY 1994</u>
Maintenance	52,202	36,474	36,474	41,833

B. Reconciliation of budget to current estimate

1. FY 1993 budget request	36,474
2. Current estimate	36,474

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US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
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Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

C. Reconciliation of increases and decreases

1. FY 1993 current estimate		36,474
2. Pricing adjustments		1,779
a. allowable inflation	(1,094)	
b. contractual rate increase for new units	(200)	
c. administrative support costs	(485)	
3. Program decrease		(387)
a. realignment to operations for increased requirement	(-387)	
4. Program increase		3,967
a. Program Growth	(1,344)	
(1) new units on line	(1,044)	
(2) 801 lease program	(300)	
b. Program adjustments	(2,623)	
(1) reduction of minor repair backlog	(2,623)	

D. FY 1994 budget request 41,833

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT.

Program estimate provides for price increases associated with inflation required to maintain over 23,000 new and existing family housing and 801 lease units. Other increases are costs associated with maintenance service contracts to allow for maintaining the present level of occupant service calls, change of occupancy, and routine maintenance and minor repair backlog. Repairs scheduled for execution have been deferred to offset the requirements in the operations account. Deterioration of family housing assets has continued unabated. Neglect of minor repair may result in large repair costs in the outyears.

US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
OPERATIONS AND MAINTENANCE
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

REIMBURSEMENTS

I. Description of program element

Reimbursements. Includes collections received from rental of Marine Corps family housing to foreign nationals, civilian and Coast Guard personnel; collections for rental of mobile home parks, and collections for occupant-caused damages.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1992</u>	<u>FY 1993</u>		<u>FY 1994</u>
		<u>Budget Request</u>	<u>Current Estimate</u>	
Reimbursements	1,750	1,800	1,800	2,500

B. Reconciliation of budget to current estimate

1. FY 1993 budget request	1,800
2. Current estimate	1,800

C. Reconciliation of increases and decreases

1. FY 1993 current estimate	1,800
2. Pricing increase	161
a. inflation increases	(61)
b. pricing adjustments	(100)
3. Program increase	539
a. new units on line	(50)
b. increased collections for rental adjustments	(189)
c. program increase for realistic collections for units on line(300)	

D. FY 1994 budget request	2,500

RATIONALE FOR CHANGES IN THE REIMBURSABLE ACCOUNT.

The FY 1992 estimate reflects a program increase for collections for new and existing units on line, increased number of change of occupancy,

US MARINE CORPS
FAMILY HOUSING, FY 1994 BUDGET
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Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

[REDACTED]

higher utility usage for rental quarters due to the Transition Assistance Management Program, and realistic account of installations' collections.

OP-5

1. COMPONENT NAVY	94 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICERS QUARTERS	5. PROJECT NUMBER	
DEPARTMENT OF THE NAVY FY 1994 BUDGET GENERAL/FLAG OFFICERS QUARTERS (GFOQs) WHERE ANTICIPATED MAINTENANCE AND REPAIR WILL EXCEED \$25,000 PER UNIT This information is provided in accordance with the reporting requirement established by the Conference Appropriations Committee Report dated 21 December 1987. The information provides the details for those GFOQs where the maintenance and repair obligations in FY 1994 are expected to exceed \$25,000 per unit. Operations include the prorated costs for management of family housing, services such as fire and police protection, refuse collection, entomology, snow removal, and furnishings. Utilities include applicable costs for energy (electricity, gas, fuel oil, steam, and geothermal), water and sewerage. Maintenance and repairs include recurring work such as service calls, preventative maintenance, routine change of occupancy work, and major repairs. This includes all operation and maintenance costs to the dwelling unit, appurtenant structures and other related area and facilities intended for the use of the general or flag officer. In those quarters designated as historical, major work is coordinated with the appropriate State Historic Preservation office. These quarters are identified as National Historic Register (NHR), or eligible to be on the National Historic Register (ELIG) or are in an Historical Thematic District (HTD).		

1. COMPONENT NAVY	94 FY 19 <u>94</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																
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<u>INSIDE THE UNITED STATES</u> <u>CALIFORNIA</u> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">MCB CAMP PENDLETON</td> <td style="width: 15%;">1152</td> <td style="width: 15%;">9,199</td> <td style="width: 15%;">4,105</td> <td style="width: 15%;">55,416</td> <td style="width: 15%;">(0)</td> <td style="width: 15%;">68,720</td> <td style="width: 15%;">0</td> </tr> </table> Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, replacement of the dishwasher, and two repair projects. The repair projects will replace the exterior siding (\$23,900) and roof (\$9,600). In 1994, the exterior siding will be 15 years old. It is painted wood (clapboard), has a recurring termite infestation problem, the finish is rough due to previous sandblasting (1987), has no insulation, and contains lead paint. The wood siding will be replaced with vinyl, which has a useful life of 20 years. The roof will be 14 years old in 1994 and is made of foam which was sprayed on and painted. A foam roof has an estimated useful life of 15 years. It has discolored and deteriorated due to the climate and birds. The roof will be insulated and replaced with a shingle or tile roofing material. It has only one level with 4 bedrooms and 3 bathrooms. (Year built: 1943; NSF: 2,353) <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">MCB CAMP PENDLETON</td> <td style="width: 15%;">1154</td> <td style="width: 15%;">9,199</td> <td style="width: 15%;">4,105</td> <td style="width: 15%;">55,416</td> <td style="width: 15%;">(0)</td> <td style="width: 15%;">68,720</td> <td style="width: 15%;">0</td> </tr> </table> Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, replacement of the dishwasher, and two repair projects. The repair projects will replace the exterior siding (\$23,900) and roof (\$9,600). In 1994, the exterior siding will be 15 years old. It is painted wood (clapboard), has a recurring termite infestation problem, the finish is rough due to previous sandblasting (1987), has no insulation, and contains lead paint. The wood siding will be replaced with vinyl, which has a useful life of 20 years. The roof will be 14 years old in 1994 and is made of foam which was sprayed on and painted. A foam roof has an estimated useful life of 15 years. It has discolored and deteriorated due to the climate and birds. The roof will be insulated and replaced with a shingle or tile roofing material. It has only one level with 4 bedrooms and 3 bathrooms. (Year built: 1943; NSF: 2,353)			MCB CAMP PENDLETON	1152	9,199	4,105	55,416	(0)	68,720	0	MCB CAMP PENDLETON	1154	9,199	4,105	55,416	(0)	68,720	0
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STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
<u>INSIDE THE UNITED STATES</u>							
MCB CAMP PENDLETON 17151 9,259 4,105 72,607 (0) 85,971 0 Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, replacement of the dishwasher, and two repair projects. The repair projects will replace the exterior siding (\$36,320), and roof (\$12,900). In 1994, the exterior siding will be 15 years old. It is painted wood (clapboard), has a recurring termite infestation problem, the finish is rough due to previous sandblasting (1989), has no insulation, and contains lead paint. The wood siding will be replaced with vinyl, which has a useful life of 20 years. The roof will be 14 years old in 1994 and is made of foam which was sprayed on and painted. A foam roof has an estimated useful life of 15 years. It has discolored and deteriorated due to the climate and birds. The roof will be insulated and replaced with a shingle/tile roofing material. This includes the house and garage. It has only one level with 4 bedrooms and 3 bathrooms. (Year built: 1943; NSF: 2,445)							
MCB CAMP PENDLETON 17152 9,349 4,105 87,447 (0) 100,901 0 Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, replacement of the dishwasher, and two repair projects. The repair projects will replace the exterior siding (\$50,320), and roof (\$12,900). In 1994, the exterior siding will be 15 years old. It is painted wood (clapboard), has a recurring termite infestation problem, the finish is rough due to previous sandblasting (1987), has no insulation, and contains lead paint. The wood siding will be replaced with vinyl, which has a useful life of 20 years. Also included for this house will be window replacement. The roof will be 14 years old in 1994 and is made of foam which was sprayed on and painted. A foam roof has an estimated useful life of 15 years. It has discolored and deteriorated due to the climate and birds. The roof will be insulated and replaced with a shingle/tile roofing material. This includes the house and garage. It has only one level with 4 bedrooms and 3 bathrooms. (Year built: 1943; NSF: 2,445)							

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<u>INSIDE THE UNITED STATES</u>							
MCB CAMP PENDLETON	17153	9,259	4,105	72,607	(0)	85,971	0
Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, replacement of the dishwasher, and two repair projects. The repair projects will replace the exterior siding (\$36,320), and roof (\$12,900). In 1994, the exterior siding will be 15 years old. It is painted wood (clapboard), has a recurring termite infestation problem, the finish is rough due to previous sandblasting (1987), has no insulation, and contains lead paint. The wood siding will be replaced with vinyl, which has a useful life of 20 years. The roof will be 14 years old in 1994 and is made of foam which was sprayed on and painted. A foam roof has an estimated useful life of 15 years. It has discolored and deteriorated due to the climate and birds. The roof will be insulated and replaced with a shingle/tile roofing material. This includes the house and garage. It has only one level with 4 bedrooms and 3 bathrooms. (Year built: 1943; NSF: 2,445)							
MCAGCC TWENTY- NINE PALMS	1	1,850	6,370	50,000	(0)	58,220	0
Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, change of occupancy maintenance work, interior painting, and a project to remodel the kitchen (\$40,000). The project will reconfigure the kitchen to obtain maximum utilization of the space available. The kitchen is 17'4" x 12'1" and is configured into two areas--one for cooking and the other as a dinette. The project will remove existing walls to the studs; reconfigure the cooking and dinette areas; replace cabinets, windows, and floor covering; upgrade the appliances; and provide adequate lighting. It has only one level with 3 bedrooms and 2 bathrooms. (Year built: 1959; NSF: 1,901)							

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<u>INSIDE THE UNITED STATES</u>																			
PWC SAN DIEGO	NASNI BB	3,100	4,600	33,500	(0)	41,200	0												
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and a repair project to renovate one bathroom. Work to include replace flooring, lighting, vanity, medicine cabinet, interior painting and install overhead vent fan. (Year built: 1973; NSF: 2,156)																			
PWC SAN DIEGO	NASNI D	3,600	6,000	54,000	(0)	63,600	0												
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Repair work includes renovate one bathroom to include replace fixtures, water closet, bathtub, flooring, lighting, vanity, medicine cabinet, ceiling vent fan and interior painting and provide bathtub enclosure. Kitchen renovations include replacing countertops, equipment, light fixtures, cabinets, duct work and electrical services, plumbing and wall and ceiling repairs and interior painting. (Year built: 1919; NSF: 4,391 ELIG)																			
PWC SAN DIEGO	NASNI E	4,100	5,200	46,900	(0)	56,200	0												
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and a repair project to renovate three bathrooms. Work to include replace fixtures, water closet, bathtub, flooring, lighting, vanity, medicine cabinet, ceiling vent fan and interior painting. (Year built: 1919; NSF: 2,769 ELIG)																			
PWC SAN DIEGO	NASNI T	3,600	2,200	60,000	(0)	65,800	0												
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and a repair project to renovate the kitchen and one bathroom. Work will include reconfiguration of the kitchen and bathroom and replacing antiquated fixtures, flooring, counter tops, cabinets, electrical wiring, plumbing, bathtub and shower enclosures, repair ceiling and interior painting. (Year built: 1918; NSF: 5,347 ELIG)																			

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PWC <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">SAN DIEGO</td> <td style="width: 10%;">NOSC</td> <td style="width: 10%;">4,200</td> <td style="width: 10%;">5,400</td> <td style="width: 15%;">39,000</td> <td style="width: 10%;">(0)</td> <td style="width: 15%;">48,600</td> <td style="width: 10%;">0</td> </tr> </table> Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and a repair project to renovate two bathrooms. Work will include replacing antiquated fixtures, flooring, counter tops, cabinets, mirrors, electrical wiring, plumbing, and bathtub and shower enclosures. The ceiling ventilation system will be replaced with a fan/light combination. (Year built: 1960; NSF: 3,790)			SAN DIEGO	NOSC	4,200	5,400	39,000	(0)	48,600	0	
SAN DIEGO	NOSC	4,200	5,400	39,000	(0)	48,600	0				
<u>DISTRICT OF COLUMBIA</u>											
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">NAVDISTWASH</td> <td style="width: 10%;">A</td> <td style="width: 10%;">21,900</td> <td style="width: 10%;">10,700</td> <td style="width: 15%;">42,100</td> <td style="width: 10%;">(0)</td> <td style="width: 15%;">74,700</td> <td style="width: 10%;">0</td> </tr> </table> Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls, and change of occupancy work to include replacement of master bedroom and sitting room carpeting, partial interior and exterior painting and repairs to driveway and topcoat. (Year built: 1802; NSF: 8,940 NHR)			NAVDISTWASH	A	21,900	10,700	42,100	(0)	74,700	0	
NAVDISTWASH	A	21,900	10,700	42,100	(0)	74,700	0				
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">NAVDISTWASH</td> <td style="width: 10%;">U</td> <td style="width: 10%;">25,800</td> <td style="width: 10%;">6,200</td> <td style="width: 15%;">31,100</td> <td style="width: 10%;">(0)</td> <td style="width: 15%;">63,100</td> <td style="width: 10%;">0</td> </tr> </table> Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls, and change of occupancy work to include interior painting, refinishing floors, replace kitchen floor and carpet cleaning. (Year built: 1937; NSF: 5,115 NHR)			NAVDISTWASH	U	25,800	6,200	31,100	(0)	63,100	0	
NAVDISTWASH	U	25,800	6,200	31,100	(0)	63,100	0				
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">NAVDISTWASH</td> <td style="width: 10%;">NOBSY</td> <td style="width: 10%;">B</td> <td style="width: 10%;">9,200</td> <td style="width: 10%;">2,800</td> <td style="width: 15%;">416,800</td> <td style="width: 10%;">(39,138)</td> <td style="width: 15%;">428,800</td> <td style="width: 10%;">0</td> </tr> </table> Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Major rehab work includes replacement of electrical heating/air conditioning, plumbing systems, asbestos/lead paint removal, replace/refinish hardwood floors, replacement of congolesum floor and carpet, replace appliances, correct structural problems, install exhaust fans in baths, provide GFI			NAVDISTWASH	NOBSY	B	9,200	2,800	416,800	(39,138)	428,800	0
NAVDISTWASH	NOBSY	B	9,200	2,800	416,800	(39,138)	428,800	0			

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<u>STATE/</u>	<u>QTRS ID</u>	<u>OPS</u>	<u>UTIL</u>	<u>MAINT</u>	<u>HIST</u>	<u>TOTAL</u>	<u>IMPROVS</u>											
<u>INSTALLATION</u>				<u>& RPR</u>	<u>PRES</u>													
<u>INSIDE THE UNITED STATES</u>																		
receptacles, recess telephone and TV wires, replace vanity and medicine cabinets, cast iron bath tub and ceramic wall tile and sink. Repair plaster, install drywall on 2nd floor and exterior repairs of slate roof. (Year built: 1897; NSF: 2,333 HTD)																		
NAVDISTWASH <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">NOBSY</td> <td style="width: 15%;">C</td> <td style="width: 15%;">12,000</td> <td style="width: 15%;">2,300</td> <td style="width: 15%;">417,500</td> <td style="width: 15%;">(39,201)</td> <td style="width: 15%;">431,800</td> <td style="width: 15%;">0</td> </tr> </table>			NOBSY	C	12,000	2,300	417,500	(39,201)	431,800	0								
NOBSY	C	12,000	2,300	417,500	(39,201)	431,800	0											
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Major repair work includes replacement of electrical, heating/air conditioning, plumbing systems, asbestos/lead paint removal, replace/refinish hardwood floors, replacement of congoleum floor, correct structural problems, install exhaust fans in baths, provide GFI receptacles, recess telephone and TV wires, replace vanity and medicine cabinets, cast iron bath tub and ceramic wall tile and sink. Repair plaster, install drywall on 2nd floor and repair slate roof. (Year built: 1897; NSF: 1,844 HTD)																		
NAVDISTWASH <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">NOBSY</td> <td style="width: 15%;">D</td> <td style="width: 15%;">9,400</td> <td style="width: 15%;">1,600</td> <td style="width: 15%;">338,100</td> <td style="width: 15%;">(29,306)</td> <td style="width: 15%;">349,100</td> <td style="width: 15%;">0</td> </tr> </table>			NOBSY	D	9,400	1,600	338,100	(29,306)	349,100	0								
NOBSY	D	9,400	1,600	338,100	(29,306)	349,100	0											
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Major repair work includes replacement of electrical, heating/air conditioning, plumbing systems, asbestos/lead paint removal, replace/refinish hardwood floors, replacement of congoleum floor, correct structural problems, install exhaust fans in baths, provide GFIs receptacles, recess telephone and TV wires, replace vanity and medicine cabinets, cast iron bath tub and ceramic wall tile and sink. Repair plaster, install drywall on 2nd floor and exterior garage roof repairs. (Year built: 1900; NSF: 2,450 HTD)																		
NAVDISTWASH <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">NOBSY</td> <td style="width: 15%;">F</td> <td style="width: 15%;">14,000</td> <td style="width: 15%;">1,300</td> <td style="width: 15%;">278,600</td> <td style="width: 15%;">(18,581)</td> <td style="width: 15%;">293,900</td> <td style="width: 15%;">0</td> </tr> </table>			NOBSY	F	14,000	1,300	278,600	(18,581)	293,900	0								
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Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Major repair work includes replacement of electrical, heating/air conditioning, plumbing systems, asbestos/lead paint removal, replace/refinish hardwood floors, replacement of congoleum floor, correct structural problems, install exhaust fans in baths, provide GFI receptacles, recess telephone and TV																		

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<u>INSIDE THE UNITED STATES</u>							
wires, replace vanity and medicine cabinets, cast iron bath tub and ceramic wall tile and sink. Repair plaster, install drywall on 2nd floor and replace asphalt roof. (Year built: 1946; NSF: 1,900 HTD)							
<u>FLORIDA</u>							
PWC PENSACOLA	4	10,300	4,900	75,000	(52,900)	90,200	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and a repair project to replace the roof, gutters and downspout, rescreen porches and replace awnings. Kitchen flooring, counter tops and range hood will be replaced. (Year built: 1874; NSF: 4,802 NHR)							
PWC PENSACOLA	A	11,100	5,900	103,800	(73,200)	120,800	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and a repair project to replace the roof, gutters and downspout, rescreen porches and replace awnings. Kitchen flooring, counter tops and range hood will be replaced. Renovations to four bathrooms will include replacement of outdated fixtures and deteriorated flooring. (Year built: 1874; NSF: 7,562 NHR)							
<u>ILLINOIS</u>							
PWC GREAT LAKES	AA	2,400	12,100	48,100	(28,400)	62,600	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, change of occupancy work, service calls, repair deterioration of bricks and basement leak, repair leak damage in downstairs sunroom, replace fireplace doors as accessories, reposi- tion and paint exterior lights and install French doors in master bedroom. (Year built: 1911; NSF: 8,923 NHR)							

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<u>INSIDE THE UNITED STATES</u>							
<u>MARYLAND</u>							
NAS							
PATUXENT RIVER	A	1,000	6,300	41,500	(0)	48,800	30.4
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls, replacement of kitchen cabinets, dishwasher, sink, garbage disposal and range hood, repair and refinish wood flooring, interior electrical outlet receptacles and wall switches. Improvements include installing central air conditioning system and upgrade heating system. (Year built: 1722; NSF: 7,504 ELIG)							
<u>NEW YORK</u>							
STATEN ISLAND	115 MONT SEC	6,600	2,900	47,700	(0)	57,200	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, change of occupancy work, service calls and replacement of the electrical system, install GFIs and attic insulation, attic ventilation system, hardwired smoke detectors, and vinyl siding. (Year built: 1933; NSF: 3,145)							
<u>VIRGINIA</u>							
PWC	North Dakota						
NORFOLK	G-45	4,200	4,600	36,400	(0)	45,200	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls and change of occupancy work to include interior and exterior painting, replace kitchen vinyl flooring, miscellaneous minor structural repairs and replace garage doors. (Year built: 1907; NSF: 4,352 NHR)							
PWC	Delaware						
NORFOLK	F-2	11,600	8,100	38,700	(0)	58,400	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls, carpet replacement, replace kitchen vinyl floor and exterior painting. (Year built: 1907; NSF: 5,852 NHR)							

1. COMPONENT NAVY	34 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICERS QUARTERS		5. PROJECT NUMBER

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
<u>INSIDE THE UNITED STATES</u>							
PWC NORFOLK	Georgia F-34	4,500	9,800	48,300	(0)	62,600	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy work includes minor structural repairs, interior and exterior painting, replace carpeting and kitchen vinyl floor. (Year built: 1907; NSF: 6,048 NHR)							
PWC NORFOLK	West Virginia F-35-W	4,900	6,500	36,400	(0)	47,800	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy work includes minor structural repairs, exterior painting, replace radiator valves and install water purifying system. (Year built: 1907; NSF: 4,400 NHR)							
PWC NORFOLK	Illinois G-8	5,500	9,200	41,100	(0)	55,800	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy work includes interior and exterior painting and replace carpet. (Year built: 1907; NSF: 5,990 NHR)							
PWC NORFOLK	Farragut H-27	4,000	5,600	28,400	(0)	38,000	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and exterior painting. (Year built: 1909; NSF: 3,855 HTD)							
PWC NORFOLK	NHA	2,000	4,000	29,300	(0)	35,300	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls, remove clothes closet and repair wall, replace garage roof, miscellaneous electrical repairs, replace carpet and exterior painting. (Year built: 1942; NSF: 2,150)							

1. COMPONENT NAVY	94 FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICERS QUARTERS		5. PROJECT NUMBER

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
<u>INSIDE THE UNITED STATES</u>							
PWC NORFOLK	SP-18	4,700	4,600	28,800	(0)	38,100	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy includes minor structural repairs, interior painting, replacement of carpet and replacement of gutters and downspouts. (Year built: 1941; NSF: 2,026)							
PWC NORFOLK	Cornick A-39	4,600	5,600	30,700	(0)	40,900	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy work includes remove and replace existing cabinets and countertops in the kitchen, provide new electrical outlets along counter, prepare walls and install wallpaper in kitchen and replace kitchen floor with sheet vinyl. (Year built: 1907; NSF: 2,880 HTD)							
PWC NORFOLK	Maryland G-31-E	9,300	6,200	87,400	(0)	102,900	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Major repairs include replace crawl space lights, exterior painting and replace windows. (Year built: 1907; NSF: 3,598 NHR)							
PWC NORFOLK	SP-23	4,800	4,400	71,500	(0)	80,700	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy includes replace gutters and downspouts, replace air conditioning unit, interior painting, window replacement and exterior painting. (Year built: 1941; NSF: 2,026)							

1. COMPONENT NAVY	94 FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICERS QUARTERS		5. PROJECT NUMBER

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
<u>INSIDE THE UNITED STATES</u>							
PWC NORFOLK	Missouri F-32	5,700	14,400	76,000	(0)	96,100	10.1
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy work includes remove and replace existing kitchen cabinets and countertops, provide two new electric ranges, install two dishwashers, prepare walls and install wallpaper, overlay existing floor with new sheet vinyl. Improvements consist of installing an entrance canopy. (Year built: 1907; NSF: 9,415 NHR)							
PWC NORFOLK	Ohio F-33-E	4,400	6,500	46,500	(0)	57,400	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy work includes remove and replace existing cabinets and countertops in the kitchen area and pantry, install under counter lighting, prepare walls and install wallpaper in kitchen and pantry, install new sheet vinyl in kitchen, pantry, adjoining hallways and utility room. (Year built: 1907; NSF: 4,008 NHR)							
PWC NORFOLK	Ohio F-33-W	4,600	6,700	45,100	(0)	56,400	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy work includes remove and replace existing cabinets and countertops in the kitchen area and pantry, install under counter lighting, prepare walls and install wallpaper in kitchen and pantry, install new sheet vinyl in kitchen, pantry, adjoining hallways and utility room. (Year built: 1907; NSF: 4,008 NHR)							
PWC NORFOLK	Vermont M-14	3,300	4,400	117,800	(0)	125,500	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls.							

1. COMPONENT NAVY	94 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICERS QUARTERS		5. PROJECT NUMBER

<u>STATE/ INSTALLATION</u>	<u>QTRS ID</u>	<u>OPS</u>	<u>UTIL</u>	<u>MAINT & RPR</u>	<u>HIST PRES</u>	<u>TOTAL</u>	<u>IMPROVS</u>
<u>INSIDE THE UNITED STATES</u>							
Change of occupancy work includes remove and replace windows, ceiling light fixtures, refinish hardwood floors, interior and exterior painting. (Year built: 1907; NSF: 2,652 NHR)							
PWC NORFOLK	West Virginia F-35-E	5,200	6,600	78,000	(0)	89,800	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy work includes remove loose plaster from walls and ceiling and replaster, repair ceilings, carpet replacement, heating and plumbing repairs, interior and exterior painting and replace kitchen vinyl flooring. (Year built: 1907; NSF 4,400: NHR)							
MCCDC QUANTICO 376		2,111	6,365	72,723	(0)	81,199	0
Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, change of occupancy maintenance work, exterior/interior painting, and a project to rehab the quarters (\$64,028). This project includes the necessary work to upgrade the original electrical and plumbing systems; replace doors; and replace the furnace and two air conditioning condensers. It is a two story unit with 3 1/2 bathrooms and 4 bedrooms. (Year built: 1920; NSF: 3,050)							

1. COMPONENT NAVY		94 FY 19__ MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES							
4. PROJECT TITLE GENERAL AND FLAG OFFICERS QUARTERS						5. PROJECT NUMBER	
STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
<u>OUTSIDE THE UNITED STATES</u>							
<u>JAPAN</u>							
PWC							
YOKOSUKA	18 Halsey	4,300	11,200	25,900	(0)	41,400	14.0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy. Improvements include extend the front entrance by removing existing concrete canopy and constructing an extended covered entrance, provide gutters, downspouts and incandescent lighting.							

ARMY HOUSING FURNISHINGS SUMMARY (1993-1994)

	FURNISHINGS (LESS HOUSEHOLD EQUIPMENT)					HOUSEHOLD EQUIPMENT					TOTAL FURNISHINGS				
	MOVING & HANDLING	MAINT REPAIR	REPLACE- MENT	INITIAL ISSUE	TOTAL	MOVING & HANDLING	MAINT REPAIR	REPLACE- MENT	INITIAL ISSUE	TOTAL	MOVING & HANDLING	MAINT REPAIR	REPLACE- MENT	INITIAL ISSUE	TOTAL
FY 1993 Actual															
CONUS	225	163	271	19	678	945	2,039	2,863	1,236	7,483	1,170	2,602	3,134	1,255	8,161
US OF	341	70	756	311	1,468	671	539	554	612	2,176	1,032	609	1,110	913	3,674
FOREIGN	1,312	231	905	1,045	3,493	602	721	686	2,321	4,330	1,914	932	1,591	3,366	7,823
PUBLIC	500	115	681	378	1,752	213	376	323	1,098	2,010	793	489	1,004	1,476	3,762
PRIVATE	732	118	224	667	1,741	389	345	363	1,223	2,320	1,121	463	587	1,890	4,061
TOTAL	1,898	464	1,932	1,375	5,669	2,218	3,699	3,903	4,169	13,989	4,116	4,163	5,835	5,544	19,658
FY 1993 President's Budget															
CONUS	172	220	196	24	612	840	2,566	4,643	10	8,059	1,012	2,706	4,839	34	8,671
US OF	375	65	926	1,406	2,852	682	547	508	720	2,457	1,057	612	1,434	2,206	5,309
FOREIGN	1,495	287	861	915	3,558	632	763	748	1,778	3,921	2,127	1,050	1,609	2,693	7,479
PUBLIC	750	154	628	310	1,842	216	383	368	883	1,850	966	537	996	1,193	3,692
PRIVATE	745	133	233	605	1,716	416	380	380	895	2,071	1,161	513	613	1,500	3,787
TOTAL	2,042	572	1,803	2,425	7,022	2,154	3,676	5,899	2,508	14,437	4,196	4,448	7,882	4,933	21,459
FY 1994 Estimate															
CONUS	297	302	1,074	3,473	5,226	1,449	2,566	10,692	31	14,728	1,746	2,948	11,766	3,504	19,944
US OF	647	65	800	1,321	2,833	1,177	547	1,431	640	3,795	1,824	612	2,261	1,961	6,658
FOREIGN	2,938	487	950	3,036	8,011	1,436	763	2,218	1,580	5,997	4,374	1,250	3,168	5,216	14,008
PUBLIC	1,480	254	652	1,686	4,084	546	383	1,878	785	3,592	2,056	637	2,530	2,483	7,676
PRIVATE	1,458	233	298	1,938	3,927	890	380	340	795	2,405	2,348	613	638	2,733	6,332
TOTAL	3,882	934	2,854	8,438	16,100	4,683	3,676	14,341	2,251	24,530	7,944	4,810	17,195	10,681	48,038

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US MARINE CORPS
FY 1994
FAMILY HOUSING FURNISHINGS SUMMARY
(Dollars in thousands)
SUMMARY

<u>FURNISHINGS (LESS HOUSEHOLD EQUIPMENT)</u>										<u>HOUSEHOLD EQUIPMENT</u>										<u>TOTAL FURNISHINGS</u>									
MOVING & MAINT					REPLACE- INITIAL					MOVING & MAINT					REPLACE- INITIAL					MOVING & MAINT					REPLACE- INITIAL				
HANDLING	REPAIR	RENT	ISSUE	TOTAL	HANDLING	REPAIR	RENT	ISSUE	TOTAL	HANDLING	REPAIR	RENT	ISSUE	TOTAL	HANDLING	REPAIR	RENT	ISSUE	TOTAL	HANDLING	REPAIR	RENT	ISSUE	TOTAL	HANDLING	REPAIR	RENT	ISSUE	TOTAL
FY 1992																													
COMUS	184	23	78	0	285					340	445	1,010	0	1,795	524	468	1,088	0	2,080										
FORKICH	39	9	20	3	71					26	7	8	22	63	65	16	28	25	134										
PUBLIC	24	7	15	3	49					16	5	5	22	48	40	12	20	25	97										
PRIVATE	15	2	5	0	22					10	2	3	0	15	25	4	8	0	37										
TOTAL	223	32	98	3	356					366	452	1,018	22	1,858	589	484	1,116	25	2,214										
FY 1993																													
COMUS	194	28	90	0	312					356	457	1,038	0	1,851	550	485	1,128	0	2,163										
FORKICH	42	9	21	3	75					29	8	10	22	69	71	17	31	25	144										
PUBLIC	26	7	16	3	52					18	6	6	22	52	44	13	22	25	104										
PRIVATE	16	2	5	0	23					11	2	4	0	17	27	4	9	0	40										
TOTAL	236	37	111	3	387					385	465	1,048	22	1,920	621	502	1,159	25	2,307										
FY 1994																													
COMUS	194	23	84	0	301					267	407	938	0	1,612	461	430	1,022	0	1,913										
FORKICH	42	7	20	3	72					25	7	10	20	62	67	14	30	23	134										
PUBLIC	26	5	16	3	50					16	5	6	20	47	42	10	22	23	97										
PRIVATE	16	2	4	0	22					9	2	4	0	15	25	4	8	0	37										
TOTAL	236	30	104	3	373					292	414	948	20	1,674	528	444	1,052	23	2,047										

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
FOREIGN NATIONAL PERSONNEL
OP - 10

	<u>Work Years</u>	<u>Total Compensation & Benefits \$000</u>
1. Operations and Maintenance		
a. ANTIGUA BWI		
(1) Direct Hire	-	-
(2) Indirect Hire	1	30.5
b. AUSTRALIA		
(1) Direct Hire	1	41.0 *
(2) Indirect Hire	-	-
c. BERMUDA		
(1) Direct Hire	2	79.3
(2) Indirect Hire	-	-
d. CANADA		
(1) Direct Hire	2	94.1
(2) Indirect Hire	-	-
e. CANAL ZONE		
(1) Direct Hire	3	93.4
(2) Indirect Hire	-	-
f. EGYPT		
(1) Direct Hire	1	10.5
(2) Indirect Hire	-	-
g. ICELAND		
(1) Direct Hire	13	682.1
(2) Indirect Hire	-	-
h. ITALY		
(1) Direct Hire	-	-
(2) Indirect Hire	67	2,205.0

* Harold E. Holt closes 03/94

	<u>Work Years</u>	<u>Total Compensation & Benefits \$000</u>
1. Operations and Maintenance (cont'd)		
i. JAPAN		
(1) Direct Hire	-	-
(2) Indirect Hire	58	1,634.0
j. KOREA		
(1) Direct Hire	1	21.0
(2) Indirect Hire	-	-
k. PORTUGAL		
(1) Direct Hire	1	18.0
(2) Indirect Hire	-	-
l. SPAIN		
(1) Direct Hire	-	-
(2) Indirect Hire	31	1,564.6
m. UNITED KINGDOM		
(1) Direct Hire	6	254.7
(2) Indirect Hire	3	132.0
Subtotal	9	386.7
2. Subtotal Operations and Maintenance		
(1) Direct Hire	30	1,294.1
(2) Indirect Hire	160	5,566.1
Subtotal	190	6,860.2
3. OTHER (Separation Pay)	-	228.4
4. TOTAL	190	7,088.6

DEPARTMENT OF THE NAVY
ENERGY CONSUMPTION AND COSTS
 (excluding POL)
 FY-1994

Appropriation: Family Housing, Navy

<u>Purchased Utility</u>	<u>Units of Measure</u>	<u>FY 1992</u>		<u>FY 1993</u>		<u>FY 1994</u>	
		<u>Estimate</u>	<u>(Units)</u>	<u>Estimate</u>	<u>(Units)</u>	<u>Estimate</u>	<u>(Units)</u>
Electricity	MWH	76,410.8	970,345	80,694.3	996,879	81,298.0	1,006,968
Steam/Hot Water 1/	MBTU	9,778.6	917,342	9,862.4	926,407	10,162.5	936,847
Natural Gas	MBTU	25,382.9	4,075,111	25,389.0	4,121,265	25,488.0	4,121,965
Propane/LPG	MBTU	338.2	39,843	355.0	40,323	365.0	41,323
Subtotal		111,908.5		116,300.7		117,312.5	
Less Reimbursements		1,915.0		1,982.0		3,103.0	
Total Direct Obligations		109,993.5		114,318.7		114,209.5	

MEMO ENTRY (NON-ADD ITEMS)

Water	KGAL	12,178,692	24,154.4	12,225,593	12,235,593	24,433.6
Sewage	KGAL	8,002,728	14,492.6	8,002,728	8,062,728	14,837.6
Total (Direct/non-add)		148,640.5		153,092.4		153,480.7

1/ Includes cost of geothermal energy.

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**US MARINE CORPS
ENERGY CONSUMPTION AND COSTS
(excluding FOL)**

Aggregation: Family Housing, Marine Corps

Purchased Utility	Units of Measure	FY 1992 Estimate		FY 1993 Estimate		FY 1994 Estimate				
		(Units)	Cost/Unit (\$000)	(Units)	Cost/Unit (\$000)	(Units)	Cost/Unit (\$000)			
Electricity	MWH	277,882	75	20,418	279,992	74	20,677	280,992	80	22,496
Steam/Hot Water	MBTU	80,004	12	1,000	80,194	18	1,416	81,044	21	1,700
Natural Gas	MBTU	437,150	15	6,418	442,153	15	6,469	442,553	16	6,869
Propane/LPG	MBTU	8,585	12	104	8,591	13	110	8,691	18	160
Subtotal				27,940			28,672			31,225
Less Reimbursements				813			830			630
Total Direct Obligations				27,127			27,842			30,595
NETO ENTRY (NON-ADD ITEMS)										
Water	KCAL	3,183,796	1	4,092	3,220,800	1	3,795	3,220,800	1	4,395
Sewage	KCAL	1,785,085	2	3,730	1,801,267	2	3,435	1,801,267	2	3,893
Total (Direct/non-add)				34,949			35,072			38,883

Appropriation: Family Housing, Navy

	FY 1982 Estimate		FY 1983 Estimate		FY 1984 Estimate	
	(000)	Units	(000)	Units	(000)	Units
	(BBL'S)	Cost	(BBL'S)	Cost	(BBL'S)	Cost
Petroleum Product						
						(\$000)
Diesel	197,395	28.98	199,845	29.40	187,036	32.76
						6,127.3
Total						
						159,608.0

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
POL CONSUMPTION AND COSTS
FY 1994 BUDGET

Appropriation: Family Housing, Marine Corps		FY 1992 Actual		FY 1993 Estimate		FY 1994 Estimate	
-----	-----	(000)	UNIT	(000)	UNIT	(000)	UNIT
		BBLs	COST (\$000)	BBLs	COST (\$000)	BBLs	COST (\$000)
Petroleum							
Product							
-----	-----	-----	-----	-----	-----	-----	-----
Distillate		2.57	28.98 \$74	2.57	29.40 \$76	2.57	32.76 \$84

Family Housing, Navy and Marine Corps
LEASING

(In Thousands)

FY 1994 Program \$120,108
FY 1993 Program \$104,470

Purpose and Scope

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

Program Summary

A summary of the funding program for Fiscal Year 1994 follows:

	FY 92		FY 93		FY 94	
	Yr End	Cost	Author-	Cost	Author-	Cost
	Units	(\$000)	ization	(\$000)	ization	(\$000)
Domestic:						
Navy	1,510	20,869	5,316	49,662	5,361	57,742
Marine Corps	75	1,175	775	7,002	725	7,948
Foreign:	1,712	42,840	3,217	47,806	4,229	54,418
Total:	3,297	64,884	9,308	104,470	10,315	120,108

JUSTIFICATION

Domestic Leasing Program Summary: The domestic leasing program is authorized in 10 USC 2828 as amended, which limits the number of units authorized at any one time and specifies the maximum cost limitation. This program consists of leasing on an interim basis until Section 801 and/or military construction (MILCON) units come on line.

Section 801 of the FY 84 Military Construction Authorization Act (PL 98-115) authorizes the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test and would have expired upon execution of contracts no later than 1 October 1985. The Navy sites chosen for testing Section 801 were Norfolk, Virginia, and Earle, New Jersey. The Section 801 program was made permanent in FY 1992. The Department of the Navy has awarded contracts for Section 801 projects at Norfolk, VA (300 units), Earle, NJ (300 units), Mayport, FL (200 units), Staten Island, NY (1,183 units), Washington, DC (600 units), Washington, DC (Summerfield-414 units), Port Hueneme/Point Mugu, CA (300 units), Pensacola, FL (300 units), and Twentynine Palms, CA (600 units). A total of 590 new units at Summerfield, Port Hueneme, Twentynine Palms and Staten Island are scheduled to come on line in FY 1994.

Domestic Leasing Fiscal Year Summary:

FY 1992 - The domestic lease program consisted of 1,585 units that required funding of \$22,043.6. Funding in the amount of \$20,446.3 provided funding for the Section 801 projects at Earle, Norfolk, Mayport, and Washington, DC. An additional \$1,597.3 supported domestic short term leases in Washington, DC, Staten Island, NY, Guam and San Diego, CA, Public Works Center and Marine Corps Recruit Depot.

FY 1993 - The domestic lease program consists of 4,313 units requiring funding of \$56,663.3. Funding in the amount of \$49,015.0 is requested to provide funding for Section 801 projects at eight Navy and Marine Corps activities. The remaining \$7,648.3 is required to support domestic short term leases in Washington, DC, Staten Island, NY, Guam, Puget Sound, WA, San Diego and at three Marine Corps Bases in California--San Diego, Camp Pendleton and El Toro.

FY 1994 - The domestic lease program consists of 4,798 units requiring funding of \$67,190.0. Funding in the amount of \$57,853.0 is requested to provide funding for Section 801 projects at eight Navy and Marine Corps activities. The remaining \$9,337.0 is required to support domestic short term leases in New London, CT; Washington, DC; Guam; Puget Sound, WA; Norfolk, VA; and at the San Diego, CA, Public Works Center and Marine Corps Recruit Depot.

Foreign Leasing: Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

The FY 1992 unit authorization consisted of 3,217 units of which 1,712 required funding. The additional leases supported the leasing program at Naples, La Maddalena and Sigonella, Italy, and individual leases at Rome, Italy and Rota, Spain. The FY 1992 request also included the buyout of leases at Holy Loch, Scotland, scheduled for closure in June 1992.

The FY 1993 unit authorization consists of 3,217 units of which 2,509 require funding. The authorization difference of 708 is to support lease initiatives at Naples, Sigonella and La Maddalena, Italy, and Rota, Spain, that do not require funding until FY 1994.

The FY 1994 unit authorization consists of 4,229 units and funding for 2,820 of those units. The authorization difference of 1,409 is to support lease initiatives at Naples, Sigonella and La Maddalena, Italy, and Rota, Spain, that do not require funding until FY 1995.

FAMILY HOUSING, DEPARTMENT OF THE NAVY (Other than Section 801 and Section 802 Units) FY 1994									
Location	FY 1992			FY 1993			FY 1994		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
DOMESTIC LEASING									
<u>Navy</u>									
PWC San Diego, CA	0	0	0.0	75	900	900.0	75	900	900.0
NSB New London, CT	0	0	0.0	0	0	0.0	75	750	900.0
NDW Washington, DC	50	600	454.1	150	900	779.6	100	1,000	1,200.0
NS Staten Island, NY	15	71	177.7	155	1,860	321.9	0	0	0.0
PWC Norfolk, VA	0	0	0.0	0	0	0.0	75	750	890.0
NS Puget Sound, WA	0	0	0.0	174	2,088	2,088.0	174	2,088	2,088.0
PWC Guam	115	45	87.5	115	1,250	1,458.8	115	1,380	1,610.0
<u>Marine Corps</u>									
El Toro, CA	50	0	0.0	50	500	600.0	0	0	0.0
Pendleton, CA	50	0	0.0	50	450	600.0	0	0	0.0
San Diego, CA	75	900	878.0	75	900	900.0	125	900	1,749.0
TOTAL DOMESTIC LEASES	355	1,616	1,597.3	844	8,848	7,848.3	739	7,768	9,337.0

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FAMILY HOUSING, DEPARTMENT OF THE NAVY (Other than Section 801 and Section 802 Units) FY 1994									
Location	FY 1992			FY 1993			FY 1994		
	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)	Units Authorized	Lease Months	Cost (\$000)
FOREIGN LEASES									
(a) Athens	1	12	18.9	1	12	23.7	1	12	27.9
(a) Bahrain	1	12	54.1	1	12	58.6	1	12	58.2
(c) Bangkok	16	129	619.9	17	204	698.4	17	204	759.8
(b) Edzell	102	1,224	1,087.5	102	1,224	1,153.5	102	1,224	1,193.6
(a)(b) Holy Loch	381	2,491	11,048.0	0	0	0.0	0	0	0.0
(a) Hong Kong	7	60	221.7	7	84	319.8	7	84	314.5
(c) Jakarta	15	144	590.0	15	162	649.0	15	171	708.0
(a)(b) LaMaddalena	285	1,980	3,091.5	284	2,106	3,892.1	284	3,408	5,090.6
(a) Lisbon	1	12	65.8	1	12	74.3	1	12	81.7
(a) London	85	1,020	2,302.4	85	1,020	2,063.3	85	48	293.8
(a) Manila	25	261	331.4	15	165	227.8	10	78	112.2
(a)(b) Naples	1,285	7,771	14,288.5	1,464	11,520	18,127.3	2,064	13,020	23,689.6
(c) New Delhi	1	12	70.0	1	12	43.0	1	12	44.0
(a) Oslo	1	12	20.6	1	12	21.4	1	12	22.0
(a) Rome	14	61	171.1	6	72	166.2	6	72	171.5
(a) Rota	74	588	1,131.7	224	2,688	3,163.8	624	4,788	6,148.4
(a)(b) Sigonella	872	3,708	7,010.5	942	3,708	17,066.6	1,009	9,708	15,689.4
(a) Souda Bay	1	12	11.2	1	12	16.1	1	12	14.8
(b) Thurso	50	600	705.4	50	150	41.3	0	0	0.0
TOTAL FOREIGN LEASES	3,217	20,109	42,840.2	3,217	23,175	47,806.2	4,229	32,877	54,418.0
GRAND TOTAL	3,572	21,725	44,437.5	4,061	32,023	55,454.5	4,988	40,645	63,755.0

- (a) Individual leases
- (b) Lease construction
- (c) Department of State Leasing Pool

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Family Housing, Department of the Navy
FY 1994, Section 801 Family Housing Summary
(Dollars in Thousands)

Location	No. of Units	FY of Initial Auth	Date of Award	Date of Full Occup	Total Annual Costs	FY 1993		FY 1994	
						Units	Costs	Units	Request
NAVY									
Section 801 Housing									
Earle, NJ	300	1984	10/88	5/90	4,471.7	300	4,390.1	300	4,471.7
Norfolk, VA	300	1984	2/86	1/88	4,186.0	300	4,186.0	300	4,186.0
Mayport, FL	200	1986	8/86	2/89	1,709.3	200	1,653.1	200	1,709.3
Staten Island, NY	1,183	1987	8/89	5/94	20,500.0	861	12,170.8	1,183	18,882.3
Port Hueneme/									
Point Mugu, CA	300	1988	9/91	10/93	4,317.7	250	3,800.0	300	4,317.7
Washington, DC	600	1988	9/89	9/91	9,181.2	600	8,624.1	600	9,181.2
Washington, DC	414	1990	8/91	10/94	6,200.0	138	4,478.0	276	3,962.8
Pensacola, FL	300	1990	9/91	9/93	2,957.1	300	2,734.8	300	2,957.1
Bangor, WA*	300	1992	TBD	TBD	4,200.0	0	0.0	0	0.0
Kings Bay, GA*	400	1992	TBD	TBD	3,000.0	0	0.0	0	0.0
Whidbey Island, WA*	300	1992	TBD	TBD	4,200.0	0	0.0	0	0.0
Dahlgren, VA*	150	1992	TBD	TBD	2,500.0	0	0.0	0	0.0
Planning and Execution Various Locations									
Total 801, Navy	4,747				67,423.0	2,849	44,113.0	3,459	485.9 50,154.0
MARINE CORPS									
Twentynine Palms, CA	600	1984	9/91	9/93	6,199.0	520	4,902.0	600	6,199.0
Planning and Execution Total 801, MC	600				6,199.0	520	4,902.0	600	0.0 6,199.0
Total 801, DON	5,347				73,622.0	3,469	49,015.0	4,059	58,353.0

*Execution of these projects is subject to OMB guidance on scoring lease purchases.
government lease of capital assets and appropriation of funds.

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET
DEBT PAYMENT
(Thousands of Dollars)

	FY 1992			FY 1993			FY 1994		
	<u>Navy</u>	<u>Corps</u>	<u>Total</u>	<u>Navy</u>	<u>Marine</u>	<u>Corps</u>	<u>Navy</u>	<u>Marine</u>	<u>Total</u>
IOA									
Interest & Other Expenses:									
Servicemen's Mortgage Insurance									
Premiums	87	3	90	88	2	90	85	3	88
Total Obligating Authority	87	3	90	88	2	90	85	3	88
BUDGET AUTHORITY	87	3	90	88	2	90	85	3	88

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DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1994 BUDGET

SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

In accordance with authority contained in Section 222 of the Housing Act of 1954, as amended, this program provides for the payment of premiums due on mortgage insurance provided by the Federal Housing Administration for mortgages on housing purchased by military personnel on active duty and for continuing payments in those cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. In the latter case, payments extend for a period of two years beyond the date of the serviceman's death or until the date the widow disposes of the property, whichever occurs first. The maximum amount insurable by FHA is \$67,500. The premium rate is 1/2 of 1% of the unpaid balance of the mortgage. With the discontinuance of Section 222 Mortgages as of 31 March 1980, the Department of Housing and Urban Development stopped processing applications for SMIP.

	FY 1992 NAVY&MC	FY 1993 NAVY&MC	FY 1994 NAVY&MC
Number of Mortgages	642	621	621
Average Payment	\$140	\$140	\$140
Total Payments	\$90,000	\$90,000	\$88,000

FHD-3

Department of Defense Facility Programs Legislative Proposals

SERVICE, AGENCY, OR OSD OFFICE: Department of the Navy, Naval Facilities Engineering Command (NAVFAC-08) , M. A. Huntington, (703)325-7323

SUBJECT OF LEGISLATION: Military Family Housing Domestic Leasing Program

LEGISLATIVE SECTION BEING MODIFIED: Title 10, United States Code, Section 2828(b)(2) and (3), Leasing of Military Family Housing.

SECTIONAL ANALYSIS: The proposed change would raise the current ceiling for the cost per unit annually (including utilities, operations and maintenance) from \$12,000 to \$15,000, with an annual Consumer Price Index (CPI) adjustment. The Secretaries concerned still would be authorized to approve not more than 500 domestic leases exceeding the threshold and continue to report to Congress on such actions quarterly. If the current domestic lease cost ceiling is not raised, the Services will be unable to provide additional adequate housing to lower ranking military members and their families in areas where housing is both scarce and expensive.

PROPOSED LEGISLATIVE LANGUAGE: Subsection 2828(b) of title 10, United States Code, is amended--

(1) in paragraph (2) by striking out "\$12,000" and inserting in lieu thereof "\$15,000";

(2) by deleting paragraph (3) and inserting in lieu thereof: "(3) Not more than 500 housing units may be leased under subsection (a) for which the expenditure for the rental of such units (including the cost of utilities, maintenance, and operation) exceeds \$15,000 per unit per annum. The Secretary concerned is authorized to approve new or renewed domestic leases exceeding \$15,000 per unit per annum on a case-by-case basis. A quarterly report will be forwarded to the Committees on Armed Services and the Committees on Appropriations of the Senate and of the House of Representatives, providing information on any new or renewed domestic leases which exceed \$15,000 per unit per year, with a certification that less expensive housing was not available."; and,

(3) by adding after paragraph (3) the following new paragraph (4): "(4) the maximum rental amount under paragraphs (2) and (3) shall be adjusted annually at the beginning of each fiscal year by an amount which corresponds to the change in the Consumer Price Index for all Urban Consumers, published by the Bureau of Labor Statistics of the Department of Labor, for the previous year ending on September 30.".

JUSTIFICATION:

Problem: Section 2828(b) authorized the Secretary concerned to lease family housing units from the private sector for assignment as military housing. It provides housing for lower ranking military families in areas with large shortages of adequate housing until government housing programs (new construction, Section 801 leasing, Section 802 rental guarantee) or the community can provide satisfactory housing at a reasonable cost. It is a practical alternative for providing appropriate housing for military members in geographical areas which cannot provide this support. The current legislation limits the number of domestic leases to 10,000 units and the cost per unit per annum to \$12,000 (including the costs for utilities, maintenance and operation) with the exception that not

more than 500 units may exceed \$12,000 per unit per annum but may not exceed \$14,000 per unit per annum.

The current \$12,000 per unit per year ceiling is unrealistic in today's rental market in high cost areas such as , Southern California and Guam. Installations are having difficulty staying within the established \$12,000 to \$14,000 cost range allowable for domestic leases. Example: The average rental rate in Guam is \$950 per month for a two-bedroom unit and \$1,360 for a three bedroom unit, which does not include utilities, operation and maintenance costs. Utilities rate for these units range from an average of \$106 to \$125 per month.

Expected Improvement: Approval of this change will allow the Services to provide additional adequate housing to lower ranking military personnel and their families in areas where housing is both scarce and expensive. By establishing a cap of \$15,000, annually adjusted by the housing expenditure category of the Consumer Price Index, with authority to exceed that amount for 500 units, the Services will be able to obtain leases in extremely high-cost area as required.

BUDGET IMPACT: The increase in dollars programmed will be partially offset by the forfeiture of housing allowances.

FUNDING THROUGH THE OUTYEARS:

Estimated Cost	FY94	FY95	FY96	FY97	FY98	FY99
	4.7	4.9	5.0	5.2	5.2	5.2

Department of Defense Facility Programs Legislative Proposals

SERVICE, AGENCY, OR OSD OFFICE: Department of the Navy, Naval Facilities Engineering Command (NAVFAC-08) , M. A. Huntington, (703)325-7323

SUBJECT OF LEGISLATION: Military Family Housing Foreign Leasing Program

LEGISLATIVE SECTION BEING MODIFIED: Title 10, United States Code, Section 2828(e)(1).

SECTIONAL ANALYSIS: This legislation raises the statutory limitation for high-cost leases from the current \$20,000 per unit per year threshold (as adjusted for foreign currency fluctuation from October 1, 1987) , established in Fiscal Year 1988, to \$30,000 per unit per year. Increased rental and utility rates , operation and maintenance and inflation in foreign countries is driving many family housing leases in overseas countries to the statutory limit. Three leased housing projects at Sigonella and La Maddalena, Italy, totaling 238 units are projected to exceed the current statutory maximum in Fiscal Year 1994. The rental and utilities rates and charges for services and maintenance are increasing about 6 percent per year. Without an increase in the lease threshold, the Navy would be forced to terminate the leases. This situation would create personal hardships for the 238 families now residing in the units. These families would be forced to either live in unsuitable or unaffordable community housing or in many instances be involuntarily separated. The inability to keep pace with cost of living increases as well as the lack of sufficient, affordable and secure housing has seriously eroded the quality of life for service members and their families living in Sigonella and LaMaddalena.

PROPOSED LEGISLATIVE LANGUAGE: Subsection 2828(e) of Title10, United States Code, is amended in paragraph (1), by striking out "\$20,000" in the first sentence and inserting in lieu thereof "\$30,000".

JUSTIFICATION:

Problem: Many of the current military family housing leases, as well as projects proposed for the outyears, are projected to exceed the statutory limit of \$20,000 per unit per year beginning in Fiscal Year 1994. These locations include La Maddalena, Sardinia, and Sigonella, Italy. When current foreign military family housing leases at Sigonella and La Maddalena reach the statutory limit, the Navy will be forced to terminate these leases. This will increase the already large family housing deficits at these locations. In addition, the U.S. Government will incur penalty charges due to early termination of lease contracts. Termination of existing leases would disrupt military families by forcing them to live in unsuitable or unaffordable community housing or become involuntarily separated.

Expected Improvement: Current leases will continue in effect and planned leases will be executable, thus reducing our serious family housing shortages and improving the quality of life for our families at overseas locations.

BUDGET IMPACT: The request to raise the statutory per unit cost limit from \$20,000 to \$30,000 per unit per year as adjusted for foreign currency fluctuation from October 1, 1987, will have a budgetary impact on the Family Housing Leasing account as outlined below. Cost estimates reflect prices for existing leases that are projected to fall into the high-cost lease category if the statutory limit is increased (\$30,000+ as adjusted) in FY 1994 and the outyears.

FUNDING THROUGH THE OUTYEARS:

Estimated Cost/Savings:	FY94	FY95	FY96	FY97	FY98	FY99
	5.9	5.6	6.0	6.3	6.6	7.0