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FY 1991 BUDGET ESTIMATES

MILITARY CONSTRUCTION & FAMILY HOUSING PROGRAM

January 1990

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DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

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Navy Budget Office/NCBG-2
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STATE LIST

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM
SUMMARY OF LOCATIONS

STATE/COUNTRY	AUTH. REQUEST ($000)	APPRO. REQUEST ($000)
INSIDE THE UNITED STATES		
ALASKA	38,250	38,250
ARIZONA	3,720	3,720
CALIFORNIA	240,812	240,812
CONNECTICUT	41,490	41,490
DISTRICT OF COLUMBIA	9,850	9,850
FLORIDA	65,910	65,910
GEORGIA	68,035	68,035
HAWAII	25,040	25,040
ILLINOIS	4,630	4,630
INDIANA	13,520	13,520
KENTUCKY	5,660	5,660
MAINE	38,182	38,182
MARYLAND	31,040	86,088
MISSISSIPPI	8,710	8,710
NEW JERSEY	85,400	20,100
NEW YORK	19,692	19,692
NORTH CAROLINA	43,120	43,120
PENNSYLVANIA	10,770	10,770
RHODE ISLAND	6,230	6,230
SOUTH CAROLINA	37,860	37,860
TEXAS	11,850	11,850
VIRGINIA	120,360	120,360
WASHINGTON	128,997	128,997
SUBTOTAL	1,059,128	1,048,876
OUTSIDE THE UNITED STATES		
BERMUDA	378	378
CUBA	18,409	18,409
GUAM	16,819	16,819
ICELAND	40,167	40,167
ITALY	11,753	11,753
JAPAN	4,052	4,052
SPAIN	1,105	1,105
UNITED KINGDOM	2,182	2,182
SUBTOTAL	94,865	94,865
VARIOUS LOCATIONS	154,559	154,559
TOTAL - FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM	1,308,552	1,298,300
LESS FAMILY HOUSING	185.000	185.000
TOTAL - FY 1991 MILITARY CONSTRUCTION PROGRAM	1,123,552	1,113,300

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STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
ALASKA		NAVAL AIR STATION, ADAK, ALASKA				
	892	SOLID WASTE DISPOSAL FACILITY	4,250	4,250	60	475
		SUBTOTAL	4,250	4,250		
		NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA				
	075	OPERATIONS BUILDING ADDITION	3,000	3,000	50	5
		SUBTOTAL	3,000	3,000		
		FLEET SURVEILLANCE SUPPORT COMMAND, AMCHITKA ISLAND, ALASKA				
	001	ELECTRONIC INSTALLATION	31,000	31,000	35	9
		SUBTOTAL	31,000	31,000		
		TOTAL - ALASKA	38,250	38,250		
ARIZONA		MARINE CORPS AIR STATION, YUMA, ARIZONA				
	441	AVIATION SUPPLY WAREHOUSE	3,720	3,720	40	13
		SUBTOTAL	3,720	3,720		
		TOTAL - ARIZONA	3,720	3,720		
CALIFORNIA		MARINE CORPS AIR STATION, CAMP PENDELTON, CALIFORNIA				
	554	CONSTRUCTION AND WEIGHT HANDLING EQUIPMENT SHOP	4,110	4,110	100	17
		SUBTOTAL	4,110	4,110		
		AMPHIBIOUS TASK FORCE CAMP PENDLETON, CALIFORNIA				
	953	LANDING CRAFT AIR CUSHION SUPPORT COMPLEX	8,470	8,470	60	21
		SUBTOTAL	8,470	8,470		
		MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA				
	229	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	5,330	5,330	35	25
	890	FAMILY HOUSING	11,805	11,805	N/A	508
	977	MESS HALL	3,720	3,720	100	27
	996	MILITARY OPERATIONS IN URBANIZED TERRAIN	10,860	10,860	45	29
		SUBTOTAL	31,715	31,715		
		NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA				
	431	ADVANCED WEAPONS LABORATORY	17,585	17,585	50	33
		SUBTOTAL	17,585	17,585		

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		INSIDE THE UNITED STATES				
CALIFORNIA		NAVAL WEAPONS STATION, CONCORD, CALIFORNIA				
	292	RAILROAD/VEHICULAR BRIDGE	9,850	9,850	35	37
		SUBTOTAL	9,850	9,850		
		NAVAL WEAPONS STATION SEAL BEACH ANNEX, CORONA, CALIFORNIA				
	171	WEAPONS TESTING AND EVALUATION FACILITY	8,870	8,870	50	41
		SUBTOTAL	8,870	8,870		
		MARINE CORPS AIR STATION, EL TORO, CALIFORNIA				
	381	DATA PROCESSING CENTER	3,970	3,970	35	45
	341	HAZARDOUS AND FLAMMABLE STOREHOUSES	3,010	3,010	100	47
		SUBTOTAL	6,980	6,980		
		NAVAL AIR STATION, LEMOORE, CALIFORNIA				
	888	WEAPONS SCHOOL ADDITION	900	900	100	486
		SUBTOTAL	900	900		
		LONG BEACH NAVAL SHIPYARD, LONG BEACH, CALIFORNIA				
	235	ASBESTOS REMOVAL SHOP	500	500	80	486
		SUBTOTAL	500	500		
		NAVAL STATION, LONG BEACH, CALIFORNIA				
	614	FAMILY HOUSING	25,018	25,018	N/A	513
	201	WHARF UTILITIES UPGRADE	3,520	3,520	100	53
		SUBTOTAL	28,538	28,538		
		NAVAL AIR STATION, MIRAMAR, CALIFORNIA				
	346	TOPGUN ACADEMIC FACILITY	4,040	4,040	70	57
	888	WEAPONS SCHOOL ADDITION	1,420	1,420	80	59
		SUBTOTAL	5,460	5,460		
		NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA				
	161	LECTURE HALL ADDITION AND SEISMIC UPGRADE	2,190	2,190	45	63
	146	PUBLIC WORKS COMPLEX	6,620	6,620	50	65
		SUBTOTAL	8,810	8,810		
		NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA				
	573	HIGH EXPLOSIVE MAGAZINES	1,510	1,510	100	69
		SUBTOTAL	1,510	1,510		

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STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
CALIFORNIA		PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA				
	187	FAMILY HOUSING OFFICE	513	513	N/A	538
	063	SECURITY IMPROVEMENTS	2,070	2,070	45	73
		SUBTOTAL	2,583	2,583		
		NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA				
	474	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT	2,010	2,010	100	79
		SUBTOTAL	2,010	2,010		
		NAVAL SHIP WEAPON SYSTEMS ENGINEERING STA, PORT HUENEME, CALIFORNIA				
	012	WEAPON SYSTEMS INTEGRATION LABORATORY	10,150	10,150	40	83
		SUBTOTAL	10,150	10,150		
		FLEET ANTISUB WARFARE TRAINING CENTER PAC, SAN DIEGO, CALIFORNIA				
	231	BACHELOR ENLISTED QUARTERS	8,950	8,950	100	87
		SUBTOTAL	8,950	8,950		
		NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA				
	095	COMBINED RESEARCH LABORATORY	11,760	11,760	45	91
		SUBTOTAL	11,760	11,760		
		NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA				
	092	OILY WASTE SYSTEM	540	540	90	486
		SUBTOTAL	540	540		
		NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA				
	086	COLD STORAGE WAREHOUSE	8,800	8,800	40	97
		SUBTOTAL	8,800	8,800		
		NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA				
	191	BARRACKS	5,630	5,630	90	101
	331	RECRUIT SUPPORT CENTER AND CHAPEL	5,779	5,779	35	103
	347	SMALL ARMS RANGE	3,820	3,820	85	105
		SUBTOTAL	15,229	15,229		
		NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA				
	815	FAMILY HOUSING	31,880	31,880	N/A	518
	149	STEAM DISTRIBUTION SYSTEM IMPROVEMENTS	3,320	3,320	90	109
		SUBTOTAL	35,200	35,200		

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		INSIDE THE UNITED STATES				
CALIFORNIA		NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA				
	073	POTABLE WATER SYSTEM	1,472	1,472	100	113
		SUBTOTAL	1,472	1,472		
		MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA				
	428	FIELD MAINTENANCE SHOP	3,620	3,620	60	117
	470	INDUSTRIAL WASTEWATER TREATMENT FACILITIES	2,600	2,600	60	475
	447	POTABLE WATER STORAGE TANK	4,600	4,600	45	119
		SUBTOTAL	10,820	10,820		
		TOTAL - CALIFORNIA	240,812	240,812		
CONNECTICUT		NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT				
	130	BACHELOR OFFICER QUARTERS MODERNIZATION	5,000	5,000	40	123
	413	QUAYWALL REPLACEMENT	9,150	9,150	45	125
	424	THAMES RIVER DREDGING	8,350	8,350	40	127
		SUBTOTAL	22,500	22,500		
		NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT				
	398	OPERATIONAL TRAINER FACILITY	18,990	18,990	45	131
		SUBTOTAL	18,990	18,990		
		TOTAL - CONNECTICUT	41,490	41,490		
DISTRICT OF COLUMBIA		NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA				
	115	ELECTRO-OPTICS RESEARCH LABORATORY	9,850	9,850	35	135
		SUBTOTAL	9,850	9,850		
		TOTAL - DISTRICT OF COLUMBIA	9,850	9,850		
FLORIDA		NAVAL AIR STATION, JACKSONVILLE, FLORIDA				
	174	ANTI-SUBMARINE WARFARE TRAINING FACILITY	2,810	2,810	40	139
	188	WASTEWATER SYSTEM IMPROVEMENTS	6,330	6,330	40	141
		SUBTOTAL	9,140	9,140		
		NAVAL AVIATION DEPOT, JACKSONVILLE, FLORIDA				
	616	INDUSTRIAL WASTEWATER TREATMENT FACILITIES	14,670	14,670	40	476
		SUBTOTAL	14,670	14,670		

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FLORIDA		NAVAL AIR STATION, KEY WEST, FLORIDA				
	636	CARIBBEAN REGIONAL OPERATIONS CENTER	4,020	4,020	35	147
	620	EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FACILITY	3,010	3,010	70	149
		SUBTOTAL	7,030	7,030		
		FLEET TRAINING CENTER, MAYPORT, FLORIDA				
	168	FIRE FIGHTING TRAINING FACILITY	4,300	4,300	70	153
		SUBTOTAL	4,300	4,300		
		NAVAL STATION, MAYPORT, FLORIDA				
	630	POTABLE WATER SYSTEM IMPROVEMENTS	4,950	4,950	40	157
		SUBTOTAL	4,950	4,950		
		NAVAL TRAINING CENTER, ORLANDO, FLORIDA				
	200	BARRACKS	10,960	10,960	100	161
	240	MESS HALL	7,070	7,070	40	163
		SUBTOTAL	18,030	18,030		
		NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA				
	301	COMPUTATION AND ANALYSIS LABORATORY ADDITION	4,330	4,330	40	167
		SUBTOTAL	4,330	4,330		
		NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA				
	111	WATER AND SEWER PIPELINES SEPARATION	3,460	3,460	60	476
		SUBTOTAL	3,460	3,460		
		TOTAL - FLORIDA	65,910	65,910		
GEORGIA		MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA				
	605	INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENTS	1,360	1,360	40	175
		SUBTOTAL	1,360	1,360		
		NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA				
	418	BACHELOR ENLISTED QUARTERS	7,230	7,230	40	179
	364	EXPLOSIVES HANDLING WHARF	56,615	56,615	40	181
	420	SMALL ORDNANCE MAGAZINE	620	620	40	487
	414	TRIDENT TRAINING FACILITY ADDITIONS	2,210	2,210	50	183
		SUBTOTAL	66,675	66,675		
		TOTAL - GEORGIA	68,035	68,035		

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HAWAII		MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII				
	541	AIRCRAFT RINSE FACILITY	1,650	1,650	100	187
		SUBTOTAL	1,650	1,650		
		NAVAL MAGAZINE, LUALUALEI, HAWAII				
	117	ELECTRICAL DISTRIBUTION LINES RELOCATION	1,660	1,660	50	191
		SUBTOTAL	1,660	1,660		
		COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII				
	417	SURTASS SUPPORT CENTER	12,780	12,780	55	195
		SUBTOTAL	12,780	12,780		
		NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII				
	114	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	2,010	2,010	50	199
		SUBTOTAL	2,010	2,010		
		NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII				
	504	AUTOMOTIVE VEHICLE MAINTENANCE SHOP	6,940	6,940	45	203
		SUBTOTAL	6,940	6,940		
		TOTAL - HAWAII	25,040	25,040		
ILLINOIS		NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS				
	471	FIREMAN APPRENTICE TRAINING SCHOOL	2,170	2,170	45	207
		SUBTOTAL	2,170	2,170		
		NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS				
	538	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	1,760	1,760	50	211
	378	STORM SEWER SYSTEM IMPROVEMENTS	700	700	40	487
		SUBTOTAL	2,460	2,460		
		TOTAL - ILLINOIS	4,630	4,630		
INDIANA		NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA				
	224	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	7,700	7,700	40	215
	244	MECHANIZED MATERIALS MANAGEMENT FACILITY	4,170	4,170	35	217
	225	TEST AND EVALUATION FACILITY	1,650	1,650	0	221
		SUBTOTAL	13,520	13,520		
		TOTAL - INDIANA	13,520	13,520		

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KENTUCKY		NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY				
	215	PHALANX SHOP MODERNIZATION	5,660	5,660	50	225
		SUBTOTAL	5,660	5,660		
		TOTAL - KENTUCKY	5,660	5,660		
MAINE		PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE				
	228	DRY DOCK MODERNIZATION AND COVER	38,182	38,182	40	229
		SUBTOTAL	38,182	38,182		
		TOTAL - MAINE	38,182	38,182		
MARYLAND		NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND				
	912	BACHELOR ENLISTED QUARTERS	9,040	9,040	75	233
		SUBTOTAL	9,040	9,040		
		NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND				
	963	INDUSTRIAL WASTEWATER TREATMENT FACILITIES	6,430	6,430	50	476
		SUBTOTAL	6,430	6,430		
		NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND				
	420	SECURITY IMPROVEMENTS	3,010	3,010	80	239
	427	TEST PILOT SCHOOL	6,030	6,030	80	243
		SUBTOTAL	9,040	9,040		
		NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND				
	903	AVIATION PHYSIOLOGY TRAINING FACILITY	2,510	2,510	100	249
		SUBTOTAL	2,510	2,510		
		NAVAL ELECTRONIC SYSTEMS ENGINEERING ACT, ST. INIGOES, MARYLAND				
	723	FACSFAC ELECTRONIC SYSTEMS INTEGRATION	4,020	4,020	90	253
		SUBTOTAL	4,020	4,020		
		NAVAL INTELLEGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND				
	001	HEADQUARTERS BUILDING (INCREMENT II)	0	55,048	90	257
		SUBTOTAL	0	55,048		
		TOTAL - MARYLAND	31,040	86,088		

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		INSIDE THE UNITED STATES				
MISSISSIPPI		NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI				
	716	APPLIED INSTRUCTION BUILDING	1,170	1,170	40	261
	723	BARRACKS	7,540	7,540	60	263
		SUBTOTAL	8,710	8,710		
		TOTAL - MISSISSIPPI	8,710	8,710		
NEW JERSEY		NAVAL WEAPONS STATION, EARLE, NEW JERSEY				
	949	TRESTLES REPLACEMENT (PHASE I)	85,400	20,100	50	267
		SUBTOTAL	85,400	20,100		
		TOTAL - NEW JERSEY	85,400	20,100		
NEW YORK		NAVAL STATION, NEW YORK, NEW YORK				
	801	FAMILY HOUSING	19,692	19,692	N/A	523
		SUBTOTAL	19,692	19,692		
		TOTAL - NEW YORK	19,692	19,692		
NORTH CAROLINA		MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA				
	679	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS	4,120	4,120	100	271
	804	FIELD MAINTENANCE COMPLEX	21,000	21,000	45	273
	810	MECHANICS TRAINING BUILDING (INCREMENT III)	4,050	4,050	100	275
		SUBTOTAL	29,170	29,170		
		MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA				
	863	REGIMENTAL GROUP HEADQUARTERS	1,950	1,950	90	279
	017	WATER TREATMENT FACILITY	12,000	12,000	35	281
		SUBTOTAL	13,950	13,950		
		TOTAL - NORTH CAROLINA	43,120	43,120		
PENNSYLVANIA		NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA				
	163	AIRCRAFT TECHNOLOGIES LABORATORY	10,770	10,770	45	285
		SUBTOTAL	10,770	10,770		
		TOTAL - PENNSYLVANIA	10,770	10,770		
RHODE ISLAND		NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND				
	146	STEAM DISTRIBUTION SYSTEM UPGRADE	6,230	6,230	50	289
		SUBTOTAL	6,230	6,230		
		TOTAL - RHODE ISLAND	6,230	6,230		

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		INSIDE THE UNITED STATES				
SOUTH CAROLINA		MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA				
	366	BACHELOR ENLISTED QUARTERS	6,700	6,700	40	293
		SUBTOTAL	6,700	6,700		
		NAVAL STATION, CHARLESTON, SOUTH CAROLINA				
	747	PAY AND PERSONNEL SUPPORT OFFICE ADDITION	720	720	40	487
		SUBTOTAL	720	720		
		NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA				
	784	MISSILE MAGAZINE	1,910	1,910	60	299
	869	PROPULSION TRAINING FACILITY	25,120	25,120	50	301
		SUBTOTAL	27,030	27,030		
		MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA				
	118	CLOTHING ISSUE BUILDING	3,410	3,410	50	305
		SUBTOTAL	3,410	3,410		
		TOTAL - SOUTH CAROLINA	37,860	37,860		
TEXAS		NAVAL TECHNICAL TRAINING CENTER DETACHMENT LACKLAND AIR FORCE BASE, TEXAS				
	002	BACHELOR ENLISTED QUARTERS	11,850	11,850	35	309
		SUBTOTAL	11,850	11,850		
		TOTAL - TEXAS	11,850	11,850		
VIRGINIA		HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA				
	006	LOGISTICS SUPPORT FACILITY	2,810	2,810	90	313
		SUBTOTAL	2,810	2,810		
		NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA				
	249	SPACE SURVEILLANCE CENTER	9,850	9,850	90	317
		SUBTOTAL	9,850	9,850		
		FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACT DAM NECK, VIRGINIA				
	963	COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION	6,500	6,500	55	321
		SUBTOTAL	6,500	6,500		
		NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA				
	288	FAMILY HOUSING OFFICE	372	372	N/A	541
	337	LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)	12,460	12,460	45	325
	416	SURTASS SUPPORT CENTER ADDITION	8,010	8,010	50	329
		SUBTOTAL	20,842	20,842		

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STATE/ COUNTRY	PROJ. NO.	INSTALLATION/LOCATION PROJECT TITLE	AUTH. REQUEST ($000)	APPROP. REQUEST ($000)	% DESIGN AS OF JAN 90	PAGE NO.
		INSIDE THE UNITED STATES				
VIRGINIA		NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA				
	366	LANDING CRAFT AIR CUSHION TRAINING FACILITY	1,800	1,800	60	333
	360	TRAINING MATERIALS STORAGE	800	800	60	488
		SUBTOTAL	2,600	2,600		
		FLEET TRAINING CENTER, NORFOLK, VIRGINIA				
	180	FIRE FIGHTING TRAINING FACILITY	16,080	16,080	80	337
		SUBTOTAL	16,080	16,080		
		NAVAL STATION, NORFOLK, VIRGINIA				
	834	ELECTRIC POWER UPGRADE	10,950	10,950	35	341
		SUBTOTAL	10,950	10,950		
		NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA				
	2084	FAMILY HOUSING COMMUNITY CENTER	417	417	N/A	544
	5079	FAMILY HOUSING COMMUNITY CENTER	417	417	N/A	546
	236	FUEL LINE	4,020	4,020	40	345
		SUBTOTAL	4,854	4,854		
		NAVAL AIR STATION, OCEANA, VIRGINIA				
	178	WEAPONS SYSTEM TRAINER BUILDING ADDITION	3,670	3,670	80	349
		SUBTOTAL	3,670	3,670		
		MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA				
	402	COMBAT DEVELOPMENT CENTER	16,094	16,094	40	353
	430	MARINE CORPS ACADEMIC RESEARCH LIBRARY	14,150	14,150	0	355
	408	MILITARY OPERATIONS IN URBANIZED TERRAIN	3,870	3,870	100	357
		SUBTOTAL	34,114	34,114		
		NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA				
	148	MIDWAY RESEARCH CENTER UPGRADE	2,600	2,600	75	361
		SUBTOTAL	2,600	2,600		
		AEGIS COMBAT SYSTEMS CENTER, WALLOPS ISLAND, VIRGINIA				
	327	AEGIS COMMAND AND LIFE SUPPORT FACILITY	5,490	5,490	50	365
		SUBTOTAL	5,490	5,490		
		TOTAL - VIRGINIA	120,360	120,360		

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		INSIDE THE UNITED STATES				
WASHINGTON		TRIDENT REFIT FACILITY, BANGOR, WASHINGTON				
	057	CRANE TRACKAGE EXTENSION	910	910	100	488
	050	HAZARDOUS AND FLAMMABLE STOREHOUSE	2,110	2,110	35	369
		SUBTOTAL	3,020	3,020		
		TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON				
	993	FIRE FIGHTING TRAINING FACILITY	3,610	3,610	60	373
		SUBTOTAL	3,610	3,610		
		PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON				
	252	DRY DOCK UTILITIES UPGRADE	2,000	2,000	90	377
		SUBTOTAL	2,000	2,000		
		NAVAL STATION, EVERETT, WASHINGTON				
	089	CARRIER SUPPORT	15,777	15,777	75	381
	145	COMMUNICATION FACILITY	1,660	1,660	100	383
	117	SECURITY AND FIRE STATION	1,760	1,760	100	385
	082	UTILITIES AND SITE IMPROVEMENTS	3,070	3,070	100	387
		SUBTOTAL	22,267	22,267		
		NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON				
	295	AUTOMATED MATERIALS HANDLING FACILITY	7,340	7,340	60	391
	309	FIRE STATION	1,100	1,100	100	393
	337	SUBMARINE WEAPONS SYSTEMS SHOP	10,150	10,150	35	395
		SUBTOTAL	18,590	18,590		
		NAVAL HOSPITAL, OAK HARBOR, WASHINGTON				
	007	AVIATION PHYSIOLOGY TRAINING FACILITY	2,180	2,180	100	399
		SUBTOTAL	2,180	2,180		
		STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON				
	806	ENGINEERING SERVICES BUILDING	3,520	3,520	90	403
	943	MAGAZINE MODIFICATIONS	800	800	70	488
	937	MISSILE ASSEMBLY BUILDING	7,340	7,340	100	405
	809	MOTOR INSPECTION BUILDING	6,630	6,630	95	407
	807	RADIOGRAPHIC INSPECTION BUILDING	13,870	13,870	85	409
	935	TRAINING FACILITY ADDITION	9,740	9,740	65	411
	957	TRANSFER FACILITY ADDITION	3,520	3,520	100	413
	808	UTILITIES AND SITE IMPROVEMENTS	11,060	11,060	90	415
		SUBTOTAL	56,480	56,480		

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		INSIDE THE UNITED STATES				
WASHINGTON		NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON				
	889	OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCR I)	19,100	19,100	60	419
		SUBTOTAL	19,100	19,100		
		NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON				
	030	ELECTRIC POWER IMPROVEMENTS	1,750	1,750	95	423
		SUBTOTAL	1,750	1,750		
		TOTAL - WASHINGTON	128,997	128,997		
		SUBTOTAL - MILITARY CONSTRUCTION	969,014	958,762		
		SUBTOTAL - MILITARY CONSTRUCTION FOR FAMILY HOUSING	90,114	90,114		
		TOTAL - INSIDE THE UNITED STATES	1,059,128	1,048,876		
		OUTSIDE THE UNITED STATES				
BERMUDA		NAVAL AIR STATION, BERMUDA				
	1088	FAMILY HOUSING OFFICE	378	378	N/A	548
		SUBTOTAL	378	378		
		TOTAL - BERMUDA	378	378		
CUBA		NAVAL STATION, GUANTANAMO BAY, CUBA				
	803	FAMILY HOUSING	18,409	18,409	N/A	528
		SUBTOTAL	18,409	18,409		
		TOTAL - CUBA	18,409	18,409		
GUAM		NAVAL MAGAZINE, GUAM				
	809	TOMAHAWK SUPPORT COMPLEX	9,319	9,319	40	427
		SUBTOTAL	9,319	9,319		
		NAVY PUBLIC WORKS CENTER, GUAM				
	141	SANITARY WASTEWATER SYSTEM UPGRADE	7,500	7,500	40	477
		SUBTOTAL	7,500	7,500		
		TOTAL - GUAM	16,819	16,819		
ICELAND		NAVAL AIR STATION, KEFLAVIK, ICELAND				
	812	FAMILY HOUSING	27,479	27,479	N/A	533
	463	FUEL FACILITIES	2,440	2,440	80	433
		SUBTOTAL	29,919	29,919		

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		OUTSIDE THE UNITED STATES				
ICELAND		NAVAL COMMUNICATION STATION, KEFLAVIK, ICELAND				
	802	COMMUNICATION CENTER	10,248	10,248	35	439
		SUBTOTAL	10,248	10,248		
		TOTAL - ICELAND	40,167	40,167		
ITALY		NAVAL COMMUNICATION STATION, SICILY, ITALY				
	305	RECEIVER FACILITY	1,513	1,513	45	443
		SUBTOTAL	1,513	1,513		
		NAVAL AIR STATION, SIGONELLA, ITALY				
	218	CORROSION CONTROL HANGAR	8,390	8,390	80	447
	220	ENGINE MAINTENANCE SHOP ADDITION	1,850	1,850	50	449
		SUBTOTAL	10,240	10,240		
		TOTAL - ITALY	11,753	11,753		
JAPAN		MARINE CORPS AIR STATION, IWAKUNI, JAPAN				
	809	HANGAR CONVERSION	3,017	3,017	40	453
		SUBTOTAL	3,017	3,017		
		NAVAL SECURITY GROUP ACTIVITY HANZA, OKINAWA, JAPAN				
	001	FIRE PROTECTION SYSTEM	1,035	1,035	90	457
		SUBTOTAL	1,035	1,035		
		TOTAL - JAPAN	4,052	4,052		
SPAIN		NAVAL COMMUNICATION STATION, ROTA, SPAIN				
	556	OPERATIONS BUILDING UPGRADE	1,105	1,105	100	461
		SUBTOTAL	1,105	1,105		
		TOTAL - SPAIN	1,105	1,105		
UNITED KINGDOM		FLEET SURVEILLANCE SUPPORT COMMAND, BRAWDY WALES, UNITED KINGDOM				
	301	ELECTRONIC INSTALLATION	1,740	1,740	75	465
		SUBTOTAL	1,740	1,740		
		PERSONNEL SUPPORT ACTIVITY, LONDON, UNITED KINGDOM				
	610	PAY AND PERSONNEL SUPPORT OFFICE	442	442	100	489
		SUBTOTAL	442	442		
		TOTAL - UNITED KINGDOM	2,182	2,182		
		SUBTOTAL - MILITARY CONSTRUCTION	48,599	48,599		
		SUBTOTAL - MILITARY CONSTRUCTION FOR FAMILY HOUSING	46,266	46,266		

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		TOTAL - OUTSIDE THE UNITED STATES	94,865	94,865		
		VARIOUS LOCATIONS				
VARIOUS LOCATION						
	091	A&E SERVICES AND CONSTRUCTION DESIGN (FAMILY HOUSING)	6,200	6,200	N/A	581
		SUBTOTAL	6,200	6,200		
	091	POST ACQUISITIONS CONSTR (FAMILY HOUSING IMPROVEMENTS)	42,420	42,420	N/A	551
		SUBTOTAL	42,420	42,420		
		VARIOUS LOCATIONS				
	191	ACCESS ROADS	4,017	4,017	N/A	483
		SUBTOTAL	4,017	4,017		
		VARIOUS LOCATIONS				
	091	LAND ACQUISITION	10,660	10,660	N/A	469
		SUBTOTAL	10,660	10,660		
	091	UNSPECIFIED MINOR CONSTRUCTION	13,311	13,311	N/A	479
		SUBTOTAL	13,311	13,311		
	VAR	ARCHITECTURAL & ENGINEERING SERVICES & CONST DESIGN	76,951	76,951	N/A	481
		SUBTOTAL	76,951	76,951		
		HOST NATION INFRASTRUCTURE SUPPORT. NATO				
	091	HOST NATION INFRASTRUCTURE SUPPORT	1,000	1,000	N/A	489
		SUBTOTAL	1,000	1,000		
		TOTAL - VARIOUS LOCATION	154,559	154,559		
		SUBTOTAL - MILITARY CONSTRUCTION	105,939	105,939		
		SUBTOTAL - MILITARY CONSTRUCTION FOR FAMILY HOUSING	48,620	48,620		
TOTAL - FY 1991 MILITARY CONSTRUCTION PROGRAM			1,123,552	1,113,300		
TOTAL - FY 1991 MILITARY CONSTRUCTION FAMILY HOUSING PROGRAM			185,000	185,000		
GRAND TOTAL			1,308,552	1,298,300		

"B" MISSION LIST

MISSION STATUS LIST
NEW OR CURRENT

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Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
		INSIDE THE UNITED STATES		
NAS Adak, AK	892	Solid Waste Disposal Facility	$ 4,250	C
NSGA Adak, AK	075	Operations Building Addition	3,000	C
FLTSURSUPPCOM Amchitka AK	001	Electronic Installation	31,000	N
MCAS Yuma, AZ	441	Aviation Supply Warehouse	3,720	N
AMPHIBTASKFORCE Camp Pendleton, CA	953	Landing Craft Air Cushion Complex	8,470	N
MCAS Camp Pendleton, CA	584	Construction and Weight Handling Equipment Shop	4,110	C
MCB Camp Pendleton, CA	229	Electronics Communications Maintenance Shop	5,330	C
	977	Mess Hall	3,720	C
	996	Military Operations in Urbanized Terrain	10,860	C
	890	Family Housing	11,805	C
NWC China Lake, CA	431	Advanced Weapons Laboratory	17,585	N
NWS Concord, CA	292	Railroad/Vehicular Bridge	9,850	C
NWS Seal Beach Annex, Corona	171	Weapons Testing and Evaluation Facility	8,870	C
MCAS, El Toro, CA	381	Data Processing Center	3,970	C
	341	Hazardous and Flammable Storehouses	3,010	C
NAS Lemoore, CA	888	Weapons School Addition	900	N
NSY Long Beach, CA	235	Asbestos Removal Shop	500	C
NS Long Beach, CA	201	Wharf Utilities Upgrade	3,520	N
	614	Family Housing	25,018	C
NAS Miramar, CA	346	Topgun Academic Facility	4,040	C
	888	Weapons School Addition	1,420	N
NPGS Monterey, CA	161	Lecture Hall Addition and Seismic Upgrade	2,190	C
	146	Public Works Complex	6,620	C
NAS North Island, CA	573	High Explosive Magazines	1,510	C
PMTC Point Mugu, CA	063	Security Improvements	2,070	C
	0187	Family Housing Office	513	C
NCBC Port Hueneme, CA	474	Electrical Distribution System Improvement	2,010	C
NSWSES Port Hueneme, CA	012	Weapon Systems Integration Laboratory	10,150	C
FASWTCPAC San Diego, CA	231	Bachelor Enlisted Quarters Addition	8,950	C
NOSC San Diego, CA	095	Combined Research Laboratory	11,760	C
NSB San Diego , CA	092	Oily Waste System	540	C
NSC San Diego, CA	086	Cold Storage Warehouse	8,800	C

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Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
NTC San Diego, CA	191	Barracks	$ 5,630	C
	331	Recruit Support Center and Chapel	5,779	C
	347	Small Arms Range	3,820	C
NPWC San Diego, CA	149	Steam Distribution System Improvements	3,320	C
	815	Family Housing	31,880	C
NSGA Skaggs Island, CA	073	Potable Water System	1,472	C
MCAGCC Twentynine Palms, CA	428	Field Maintenance Shop	3,620	C
	470	Industrial Wastewater Treatment Facilities	2,600	C
	447	Potable Water Storage Tank	4,600	C
NSB New London, CT	130	Bachelor Officer Quarters Modernization	5,000	C
	413	Quaywall Replacement	9,150	C
	424	Thames River Dredging	8,350	N
NSS New London, CT	398	Operational Trainer Facility	18,990	N
NRL Washington, DC	115	Electro-Optics Research Laboratory	9,850	C
NAD Jacksonville, FL	616	Industrial Wastewater Treatment Facilities	14,670	C
NAS Jacksonville, FL	174	Anti-Submarine Warfare Training Facility	2,810	C
	188	Wastewater System Improvements	6,330	C
NAS Key West, FL	620	Explosive Ordnance Disposal Mobile Unit Facility	3,010	N
	636	Caribbean Regional Operations Center	4,020	C
FTC Mayport, FL	168	Fire Fighting Training Facility	4,300	C
NS Mayport, FL	830	Potable Water System Improvements	4,950	C
NTC Orlando, FL	200	Barracks	10,960	C
	240	Mess Hall	7,070	C
NCSC Panama City, FL	301	Computation and Analysis Laboratory Addition	4,330	C
NPWC Pensacola, FL	111	Water and Sewer Pipelines Separation	3,460	C
MCLB Albany, GA	605	Industrial Waste Treatment Plant Improvements	1,360	C
NSB Kings Bay, GA	418	Bachelor Enlisted Quarters	7,230	N
	364	Explosives Handling Wharf	56,615	N
	420	Small Ordnance Magazine	620	N
	414	Trident Training Facility Addition	2,210	N
MCAS Kaneohe Bay, HI	541	Aircraft Rinse Facility	1,650	C
NM Lualualei, HI	117	Electrical Distribution Lines Relocation	1,660	C
COMOCEANSYSPAC Pearl Harbor, HI	417	Surtass Support Center	12,780	N

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NSB Pearl Harbor, HI	114	Electrical Distribution System Improvements	$ 2,010	C
NPWC Pearl Harbor, HI	504	Automotive Vehicle Maintenance Shop	6,940	C
NTC Great Lakes, IL	471	Fireman Apprentice Training School	2,170	C
NPWC Great Lakes, IL	538	Electrical Distribution System Improvements	1,760	C
	378	Storm Sewer System Improvements	700	C
NWSC Crane, IN	224	Electronics Communications Maintenance Shop	7,700	C
	244	Mechanized Materials Management Facility	4,170	C
	225	Test and Evaluation Facility	1,650	C
NOS Louisville, KY	215	Phalanx Shop Modernization	5,660	C
Portsmouth NSY, Kittery, ME	228	Dry Dock Modernization and Cover	38,182	N
NATNAVMEDCEN Bethesda, MD	912	Bachelor Enlisted Quarters	9,040	C
NOS Indian Head, MD	963	Industrial Wastewater Treatment Facilities	6,430	C
NATC Patuxent River, MD	420	Security Improvements	3,010	C
	427	Test Pilot School	6,030	C
NH Patuxent River, MD	903	Aviation Physiology Training Facility	2,510	C
NESEA St. Inigoes, MD	723	FACSFAC Electronic Systems Integration	4,020	C
NAVINTELCOMHDQTRS Suitland, MD	001A	Headquarters Building (Increment II)	55,048	C
NCTC Gulfport, MS	716	Applied Instruction Building	1,170	C
	723	Barracks	7,540	C
NWS Earle, NJ	949	Trestles Replacement (Phase I)	20,100	C
NS New York, NY	801	Family Housing	19,692	N
MCB Camp Lejeune, NC	679	Electronics Communications Maintenance Shops	4,120	C
	804	Field Maintenance Complex	21,000	C
	810	Mechanics Training Building (Increment III)	4,050	C
MCAS Cherry Point, NC	883	Regimental Group Headquarters	1,950	C
	017	Water Treatment Facility	12,000	C
NADC Warminster, PA	163	Aircraft Technologies Laboratory	10,770	C
NETC Newport, RI	146	Steam Distribution System Upgrade	6,230	C
MCAS Beaufort, SC	366	Bachelor Enlisted Quarters	6,700	C
NS Charleston, SC	747	Pay and Personnel Support Office Addition	720	C

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NWS Charleston, SC	784	Missile Magazine	$ 1,910	N
	869	Propulsion Training Facility	25,120	C
MCRD Parris Island, SC	118	Clothing Issue Building	3,410	C
NTTCDET Lackland AFB, TX	002	Bachelor Enlisted Quarters	11,850	C
HQTRSMARCORPS Arlington, VA	006	Logistics Support Facility	2,810	C
NAVSPASURSYS Dahlgren, VA	249	Space Surveillance Center	9,850	C
FLTCOMDIRSYSSUPPACT Dam Neck, VA	983	Computer Programming Operations Center Addition	6,500	C
NAB Little Creek, VA	337	Landing Craft Air Cushion Complex (Increment II)	12,460	N
	418	SURTASS Support Center Addition	8,010	N
	0288	Family Housing Community Center	372	C
NAVPHIBSCOL Little Creek, VA	366	Landing Craft Air Cushion Training Facility	1,800	N
	360	Training Materials Storage	800	C
FTC Norfolk, VA	180	Fire Fighting Training Facility	16,080	C
NS Norfolk, VA	834	Electric Power Upgrade	10,950	C
NPWC Norfolk, VA	236	Fuel Line	4,020	C
	5079	Family Housing Community Center	417	C
	2084	Family Housing Community Center	417	C
NAS Oceana, VA	178	Weapons System Trainer Building Addition	3,670	N
MCCDC Quantico, VA	402	Combat Development Center	16,094	C
	408	Military Operations in Urbanized Terrain	3,870	C
	430	Marine Corps Academic Research Library	14,150	C
NRL Annex, Quantico, VA	148	Midway Research Center Upgrade	2,600	N
AEGISCOMBATSYSCEN, Wallops Island, VA	327	AEGIS Command and Life Support Facility	5,490	C
TRIDENTREFITFAC Bangor, WA	057	Crane Trackage Extension	910	C
	050	Hazardous and Flammable Storehouse	2,110	C
TRIDENTTRAINFAC Bangor, WA	993	Fire Fighting Training Facility	3,610	C
Puget Sound NSY Bremerton, WA	252	Dry Dock Utilities Upgrade	2,000	C
NS Everett, WA	089	Carrier Pier Support	15,777	N
	145	Communications Facility	1,660	N
	117	Security and Fire Station	1,760	N
	082	Utilities and Site Improvements	3,070	N

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NUWES Keyport, WA	295	Automated Materials Handling Facility	$ 7,340	C
	309	Fire Station	1,100	C
	337	Submarine Weapons Systems Shop	10,150	C
NH Oak Harbor, WA	007	Aviation Physiology Training Facility	2,180	C
STRAWEAPFACPAC Silverdale, WA	806	Engineering Services Building	3,520	N
	943	Magazine Modifications	800	N
	937	Missile Assembly Building	7,340	N
	809	Motor Inspection Building	6,630	N
	807	Radiographic Inspection Building	13,870	N
	935	Training Facility Addition	9,740	N
	957	Transfer Facility Addition	3,520	N
	808	Utilities and Site Improvements	11,060	N
NAS Whidbey Island, WA	889	Operational and Maintenance Trainer Facility (Increment I)	19,100	N
NF Whidbey Island, WA	030	Electric Power Improvements	1,750	C
OUTSIDE THE UNITED STATES				
NAS Bermuda	1088	Family Housing Office	378	C
NS Guantanamo Bay, CU	803	Family Housing	18,409	C
NM Guam	809	Tomahawk Support Complex	9,319	N
NPWC Guam	141	Sanitary Wastewater System Upgrade	7,500	C
NAS Keflavik, IC	463	Fuel Facilities	2,440	C
	812	Family Housing	27,479	C
NCS Keflavik, IC	802	Communication Center	10,248	C
NCS Sicily, IT	305	Receiver Facility	1,513	C
NAS Sigonella, IT	218	Corrosion Control Hangar	8,390	C
	220	Engine Maintenance Shop Addition	1,850	C
NSGA Hanza, Okinawa JA	001	Fire Protection System	1,035	C
MCAS Iwakuni, JA	809	Hangar Conversion	3,017	C
NCS Rota, SP	556	Operations Building Addition	1,105	C
FLTSURSUPPCOM Brawdy Wales, UK	301	Electronic Installation	1,740	N
PERSUPACT London, UK	610	Pay and Personnel Support Office	442	C

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Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
Various Locations	091	Host Nation Infrastructure	$ 1,000	N/A
	091	Land Acquisition	10,660	N/A
	VAR	Architectural and Engineering Services and Construction Design (MILCON)	76,951	N/A
		(Family Housing)	6,200	N/A
	091	Post Acquisitions Construction (Family Housing Improvements)	42,420	N/A
	091	Unspecified Minor Construction	13,311	N/A
	191	Access Roads	4,017	N/A
Total - Various Locations			154,559	
Total - Current Mission			770,091	
Total - New Mission			373,650	
Total - FY 1991 Military Construction and Family Housing Program			1,298,300	

INSTALLATION INDEX

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MARINE CORPS AIR STATION,	BEAUFORT, SOUTH CAROLINA	291
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BUDGET APPENDIX EXTRACT

Military Construction, Navy

For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, [$1,139,250,000] $1,113,300,000, to remain available until September 30, [1994] 1995: Provided, That of this amount, not to exceed [$82,000,000] $76,951,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor. [Provided further, That none of the funds available to the Department of the Navy in this or any other Act may be utilized to initiate agricultural leases of more than one year's duration on land in or around Naval Air Station, Fallon, Nevada.] (10 U.S.C. 2675, 2802-05, 2807, 2828, 2851-54, 2857; Military Construction Appropriations Act, 1990, additional authorizing legislation to be proposed.)

Military Construction, Navy
Program and Financing (in thousands of dollars) SUMMARY

Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	1,413,587	1,021,210	1,019,021	1,332,545	1,056,052	1,038,983
00.0201	Minor construction	16,300	14,080	13,311	18,187	14,265	14,341
00.0301	Planning	140,810	82,000	76,951	137,578	76,923	76,411
00.0401	Supporting activities	11,819	5,810	4,017	7,643	12,192	5,149
00.9101	Total direct program	1,582,516	1,123,100	1,113,300	1,495,953	1,159,432	1,134,884
01.0101	Reimbursable program	389,724	300,000	300,000	394,066	300,000	300,000
10.0001	Total	1,972,240	1,423,100	1,413,300	1,890,019	1,459,432	1,434,884
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)	-299,567	-204,800	-204,800	-292,463	-204,800	-204,800
14.0001	Non-Federal sources(-)	-90,157	-95,200	-95,200	-83,336	-95,200	-95,200
17.0001	Recovery of prior year obligations				-18,374		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-358,636	-440,374	-404,042
21.4003	Available to finance new budget plans			-16,150			-16,150
21.4009	Reprograming from/to prior year budget pla	-4,931					
22.4001	Unobligated balance transferred to other acc	-3,800			-3,800		
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				440,374	404,042	382,458
24.4003	Available to finance subsequent year budge		16,150			16,150	
25.0001	Unobligated balance lapsing	2,731			2,731		
39.0001	Budget authority	1,576,516	1,139,250	1,097,150	1,576,516	1,139,250	1,097,150
	Budget authority:						
40.0001	Appropriation	1,576,516	1,139,250	1,113,300	1,576,516	1,139,250	1,113,300
41.2201	Transferred to other accounts (unob bals)			-16,150			-16,150
43.0001	Appropriation (adjusted)	1,576,516	1,139,250	1,097,150	1,576,516	1,139,250	1,097,150
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				1,514,220	1,159,432	1,134,884
72.4001	Obligated balance, start of year				1,536,940	1,553,719	1,286,951
74.4001	Obligated balance, end of year				-1,553,719	-1,286,951	-1,192,035
77.0001	Adjustments in expired accounts (net)				-4,117		
78.0001	Adjustments in unexpired accounts				-18,374		
90.0001	Outlays				1,474,950	1,426,200	1,229,800

Military Construction, Navy
Program and Financing (In Thousands of dollars) FISCAL YEAR 1991

Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
00.0101 Major construction			1,019,021			887,119
00.0201 Minor construction			13,311			11,980
00.0301 Planning			76,951			69,256
00.0401 Supporting activities			4,017			3,615
00.9101 Total direct program			1,113,300			971,970
01.0101 Reimbursable program			300,000			300,000
10.0001 Total			1,413,300			1,271,970
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)			-204,800			-204,800
14.0001 Non-Federal sources(-)			-95,200			-95,200
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans						141,330
40.0001 Budget authority (Appropriation)			1,113,300			1,113,300

Military Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1990

Identification code 17-1205-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction		1,021,210			889,089	67,079
00.0201	Minor construction		14,080			12,672	563
00 0301	Planning		82,000			73,800	3,281
00.0401	Supporting activities		5,810			5,229	232
00.9101	Total direct program		1,123,100			980,790	71,155
01.0101	Reimbursable program		300,000			300,000	
10.0001	Total		1,423,100			1,280,790	71,155
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)		204,800			-204,800	
14.0001	Non-Federal sources(-)		-95,200			-95,200	
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						-142,310
21.4003	Available to finance new budget plans			16,150			-16,150
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					142,310	71,155
24.4003	Available to finance subsequent year budge		16,150			16,150	
39.0001	Budget authority		1,139,250	-16,150		1,139,250	-16,150
	Budget authority:						
40.0001	Appropriation		1,139,250			1,139,250	
41.2201	Transferred to other accounts (unob bals)			-16,150			-16,150
43.0001	Appropriation (adjusted)		1,139,250	-16,150		1,139,250	-16,150

Military Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989

Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
00.0101 Major construction	1,413,587			1,132,025	103,047	32,936
00.0201 Minor construction	16,300			14,606	716	489
00.0301 Planning	140,810			134,038	2,902	3,870
00.0401 Supporting activities	11,819			4,824	6,286	355
00.9101 Total direct program	1,582,516			1,285,493	112,951	37,650
01.0101 Reimbursable program	389,724			389,724		
10.0001 Total	1,972,240			1,675,217	112,951	37,650
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)	-299,567			-299,567		
14.0001 Non-Federal sources(-)	-90,157			-90,157		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans					-297,023	-184,072
22.4001 Unobligated balance transferred to other acc	-6,000			-6,000		
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				297,023	184,072	146,422
40.0001 Budget authority (Appropriation)	1,576,516			1,576,516		

Military Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988

Identification code 17 1205 0 1 051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
00.0101 Major construction				95,504	19,108	26,635
00.0201 Minor construction				786	762	460
00.0301 Planning				3,451		
00 9101 Total direct program				99,741	19,870	27,095
01.0101 Reimbursable program				3,737		
10.0001 Total				103,478	19,870	27,095
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)				-3,061		
14.0001 Non-Federal sources(-)				-7,194		
17.0001 Recovery of prior year obligations				-7,871		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-172,457	-70,516	-50,646
21.4009 Reprograming from/to prior year budget pla	-2,200					
22.4001 Unobligated balance transferred to other acc	2,200			2,200		
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				70,516	50,646	23,551
39.0001 Budget authority						

Military Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987

Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
00.0101 Major construction				36,826	21,412	25,214
00.0201 Minor construction				1,545	23	849
00.0301 Planning				38	205	4
00.0401 Supporting activities				2,291	555	947
00.9101 Total direct program				40,700	22,195	27,014
01.0101 Reimbursable program				605		
10.0001 Total				41,305	22,195	27,014
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)				-1,833		
14.0001 Non-Federal sources(-)				-573		
17.0001 Recovery of prior year obligations				-1,866		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-89,908	-49,209	-27,014
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				49,209	27,014	
39.0001 Budget authority						

Military Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
00 0101 Major construction				45,287	23,396	
00.0201 Minor construction				585	92	
00.0301 Planning				51	16	
00.0401 Supporting activities				340	122	
10.0001 Total				46,263	23,626	
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)				3,605		
14.0001 Non federal sources(-)				168		
17.0001 Recovery of prior year obligations				-3,773		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-69,889	-23,626	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				23,626		
39.0001 Budget authority						

Military Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1985

Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
00.0101 Major construction				22,903		
00.0201 Minor construction				665		
00.0401 Supporting activities				188		
10.0001 Total				23,756		
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)				4,727		
14.0001 Non-Federal sources(-)				32		
17.0001 Recovery of prior year obligations				-4,864		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-26,382		
21.4009 Reprograming from/to prior year budget pla	-2,731					
25.0001 Unobligated balance lapsing	2,731			2,731		
39.0001 Budget authority						

Military Construction, Navy
Object Classification (in Thousands of dollars) SUMMARY

Identification code 17-1205-0-1-051		1989 actual	1990 est.	1991 est.
	Direct obligations:			
	Personnel compensation:			
111.101	Full-time permanent	96,376	99,919	103,705
111.301	Other than full-time permanent	1,404	3,755	3,856
111.501	Other personnel compensation	3,346	3,539	3,618
111.901	Total personnel compensation	101,126	107,213	111,179
112.101	Personnel Benefits: Civilian personnel	15,266	21,582	23,564
121.001	Travel and transportation of persons	5,244	5,258	5,272
122.001	Transportation of things	2,802	2,377	2,277
123.201	Rental payments to others	6,464	5,489	5,256
124.001	Printing and reproduction	1,461	1,277	1,238
	Other services:			
125.001	Payments to foreign national indirect hire personnel	2,082	1,430	1,373
125.003	Contracts	34,131	26,138	24,524
126.001	Supplies and materials	2,401	2,042	1,955
131.001	Equipment	1,846	1,589	1,536
132.001	Land and structures	1,310,023	978,308	951,561
199.001	Total Direct obligations	1,482,846	1,152,703	1,129,735
	Reimbursable obligations:			
	Personnel Compensation:			
211.101	Full-time permanent	17,902	14,619	15,828
211.301	Other than full-time permanent	345	1,080	672
211.501	Other personnel compensation	815	551	572
211.901	Total personnel compensation	19,062	16,250	17,072
212.101	Personnel Benefits: Civilian Personnel	9,121	3,282	3,675
221.001	Travel and transportation of persons	2,557	2,557	2,557
222.001	Transportation of things	28	28	28
223.201	Rental payments to others	116	116	116
224.001	Printing and reproduction	2,800	2,800	2,800
	Other services:			
225.003	Contracts	1,020	1,020	1,020
226.001	Supplies and materials	60	60	60
231.001	Equipment	100	100	100
232.001	Land and structures	359,202	273,787	272,572
299.001	Total Reimbursable obligations	394,066	300,000	300,000
	Allocation Accounts			
	Personnel compensation:			
311.101	Full-time permanent	24	24	26
311.301	Other than full-time permanent	11	11	11
311.501	Other personnel compensation	5	5	5
311.901	Total personnel compensation	40	40	42

Military Construction, Navy
Object Classification (in Thousands of dollars) SUMMARY

Identification code 17-1205-0-1-051		1989 actual	1990 est.	1991 est.
312.101	Personnel benefits: Civilian personnel	4	4	4
321.001	Travel and transportation of persons	24	24	24
322.001	Transportation of things	12	12	12
	Other services:			
325.004	Other	125	125	125
326.001	Supplies and materials	4	4	4
332.001	Land and structures	12,898	6,520	4,938
399.001	Total Allocation Accounts	13,107	6,729	5,149
999.901	Total obligations	1,890,019	1,459,432	1,434,884
	Obligations are distributed as follows:			
	Defense-Military:Navy	1,876,912	1,540,077	1,445,552
	Department of Transportation	13,107	6,729	5,149
	Total Obligations	1,890,019	1,546,806	1,450,701

SPECIAL PROGRAM CONSIDERATIONS

DEPARTMENT OF THE NAVY
FY 1991 MILITARY CONSTRUCTION PROGRAM

Special Program Considerations

Pollution Abatement

The military construction projects proposed 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.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, 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 the 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 Five-Year 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.

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.

Special Program Considerations (Continued)

Construction Criteria Manual

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

Drug Interdiction Program

The total amount for the drug interdiction program in the FY 1991 budget request is $4,020,000 for the following project:

PROJECT	LOCATION	AMOUNT REQUESTED ($000)
Caribbean Regional Operations Center	NAS Key West, FL	4,020

Non-MILCON Construction

The Senate Appropriations Committee on page 24 of the FY 1988 Report 100-200 and the Committee of Conference, House and Senate Appropriation Committees on page 1006 of the FY 1988 Report 100-498 required information on non-MILCON construction in other appropriations for FY 1991. This information is shown below:

a. Operation and Maintenance, Navy
   Minor Construction, $75,865,000

b. Operation and Maintenance, Marine Corps
   Minor Construction, $28,200,000

c. Research and Development, $15,329,000

d. Aircraft Procurement, Navy, $9,999,000

10 USC 2809

TEST OF
LONG-TERM FACILITIES CONTRACTS
10 USC 2809

Department of the Navy
FY 1991 Military Construction and Family Housing Program
List of 10 USC 2809 - Test of Long-Term Facilities Contracts Projects
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Estimated Military Construction Cost
California		Marine Corps Air Station, El Toro	
	411	Bachelor Officer Quarters	$ 6,180
New Jersey		Naval Air Engineering Center, Lakehurst	
	008	Child Development Center	1,930
		Naval Air Propulsion Center, Trenton	
	009	Child Development Center	1,310
Virginia		Naval Station, Norfolk	
	786	Child Development Center	1,960
		Naval Electronic Systems Engineering Center, Portsmouth	
	309	Administrative Office	6,680
Washington		Naval Undersea Warfare Engineering Station, Keyport	
	367	Child Development Center	1,480
TOTAL - Section 10 USC 2809			19,540

(Note: Preliminary economic analyses have been prepared which indicate that the above projects are more cost-effective to the government than the MILCON alternatives. Prior to award of each project, a final economic analysis will be prepared and submitted for review and 21-day Congressional notification.)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	BACHELOR OFFICER QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	724.11	P-411	6,180

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS.	SF	52,230	85.00	4,440
SUPPORTING FACILITIES.	-	-	-	1,110
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(260)
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(580)
SUBTOTAL	-	-	-	5,550
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST.	-	-	-	5,830
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	350
TOTAL REQUEST.	-	-	-	6,180
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public private venture project using 10 U.S.C. 2809 authority. Multi-story building, pile foundation; minimum of 100 private rooms with bath and some with kitchens; lounges, laundry, storage, vending, mechanical equipment; air conditioning; fire protection system; utilities; demolition of three buildings.
Grade Mix: 73 W1-02, 27 03-above. Total: 100 PN.

11. REQUIREMENT: 232 PN. ADEQUATE: 24 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 100 bachelor officer personnel.
REQUIREMENT: Adequate housing for officer personnel who are either transient or permanent support assignments.
CURRENT SITUATION: Station has adequate housing for only a small portion of its bachelor officers. Most officers are required to live off-base, in hard to find housing or in housing which does not meet minimum occupancy standards.
IMPACT IF NOT PROVIDED: Adequate billeting will not be available for officer personnel. Occupancy in substandard quarters will continue with an adverse impact on morale, recruitment, and the retention of Marine officers for a military career.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR ENGINEERING CENTER, LAKEHURST, NEW JERSEY	CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702026N	740.74	P-008	1,930

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD DEVELOPMENT CENTER	SF	15,000	-	1,490
BUILDING	SF	15,000	92.00	(1,380)
BUILT-IN EQUIPMENT	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	240
UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT	LS	-	-	(130)
SUBTOTAL	-	-	-	1,730
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,820
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,930
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public/private venture project using 10 U.S.C. 2809 authority. One-story building, concrete foundation and floor; utility connections; fire protection system; air conditioning; fenced playground; parking.

11. REQUIREMENT: 21,000 SF. ADEQUATE: 6,000 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a child development center to accommodate 200 school and pre-school age children and infants.
REQUIREMENT: A child care 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 care centers are a necessary element in today's environment as their availability alleviates many problems incurred by parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to station personnel and their dependents.
CURRENT SITUATION: The existing child care facilities, located in two separate facilities, are not large enough to support the military population.
IMPACT IF NOT PROVIDED: Deficiencies in child care support for the military population will rise, adversely effecting morale and reducing re-enlistments.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR PROPULSION CENTER, TRENTON, NEW JERSEY	CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	740.74	P-009	1,310

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD DEVELOPMENT CENTER	SF	9,380	-	960
BUILDING	SF	9,380	97.00	(910)
BUILT-IN EQUIPMENT	LS	-	-	(50)
SUPPORTING FACILITIES	-	-	-	220
UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(120)
SUBTOTAL	-	-	-	1,180
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST	-	-	-	1,240
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	70
TOTAL REQUEST	-	-	-	1,310
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public/private venture project using 10 U.S.C. 2809 authority. One story building, concrete floor and foundation; utility connections; fire protection system; air conditioning; fenced playground; and parking.

11. REQUIREMENT: 9,380 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a centralized child development center to accommodate 125 school and pre-school age children and infants.
REQUIREMENT: A child care 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 care centers are a necessary element in today's environment as their availability alleviates many problems incurred by parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to station personnel and their dependents.
CURRENT SITUATION: Child Care facilities do not exist at this center.
IMPACT IF NOT PROVIDED: Deficiencies in child care support for the civilian population will rise, effecting morale and increasing civilian turnover.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, NORFOLK, VIRGINIA	CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	740.74	P-786	1,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD DEVELOPMENT CENTER	SF	20,630	72.00	1,490
SUPPORTING FACILITIES	-	-	-	270
UTILITIES, PAVING AND SITE IMPROVEMENTS	LS	-	-	(270)
SUBTOTAL	-	-	-	1,760
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,850
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,960
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public/private venture project using 10 U.S.C. 2809 authority. One-story building; child activity rooms, infant area, isolation room, office space, food service area, laundry area, staff lounge, reception area, and outside playgrounds; fire protection system; air conditioning; parking, roads, sidewalks, and site improvements.

11. REQUIREMENT: 20,630 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a child development center to accommodate 275 school and pre-school age children and infants of active duty military and civilian employees.

REQUIREMENT: A child care 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 care centers are a necessary element in today's environment as their availability alleviates many problems incurred by military and civilian parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to military and civilian personnel and their dependents.

CURRENT SITUATION: The existing on-base child care center does not have sufficient space to support the projected child care needs of active duty and civilian employees. Approximately 2,595 employees have expressed an interest in utilizing an on-base child care center.

IMPACT IF NOT PROVIDED: Sufficient child care facilities will not be available to meet the needs of military and civilian personnel, impacting on retention rates.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL ELECTRONIC SYSTEMS ENGINEERING, CENTER, PORTSMOUTH, VIRGINIA	ADMINISTRATIVE OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	610.10	P-309	6,680

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADMINISTRATIVE OFFICE.	SF	67,530	74.00	5,000
SUPPORTING FACILITIES.	-	-	-	1,000
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(240)
UTILITIES, PAVING, AND SITE IMPROVEMENT. .	LS	-	-	(760)
SUBTOTAL	-	-	-	6,000
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST.	-	-	-	6,300
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	380
TOTAL REQUEST.	-	-	-	6,680
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This a public/private venture project using 10 U.S.C 1809 authority. Three-story building with controlled access spaces; telecommunications systems; elevators; energy management system; road improvements; parking; fire protection system; utilities.

11. REQUIREMENT: 67,530 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an administrative office to support the entire engineering and computer support effort of this center.

REQUIREMENT: An adequately-configured facility to consolidate administrative functions for the engineering and computer support effort of this center into a single work place.

CURRENT SITUATION: This center provides critical support to the fleet with the primary emphasis on improvement in fleet readiness at a reduced cost, elimination of delays in correcting design problems, providing real time technical assistance to the fleet, and reducing the dependence of the fleet of on-site technical representatives which are in short supply. Expanding requirements of fleet electronics in the areas of command and control, secure communications, electronic warfare, fleet communications, and data links have become a vital element of the Navy's capability to perform. Adequate engineering design, computer hardware and software support, laboratory, engineering production support, and engineering management space for direct fleet support is not available.

IMPACT IF NOT PROVIDED: Critical functions will not receive the admministrative support required and fleet readiness will be compromised.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON	CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	740.74	P-367	1,480

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD DEVELOPMENT CENTER	SF	11,250	99.00	1,110
SUPPORTING FACILITIES	-	-	-	220
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	1,330
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,400
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,480
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a public/private venture project using 10 U.S.C. 2809 authority. One-story building, including infirmary, toilet facilities, laundry room, staff room, infant room, diaper station, store room, kitchenette, quiet room, multi-purpose room, toddler room, intermediate room, youth room; fire protection system; air conditioning, utilities, and access road.

11. REQUIREMENT: 11,250 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a child development center to accommodate school and pre-school for 150 children of military and civilian employees.
REQUIREMENT: A child care 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 care centers are a necessary element in today's environment as their availability alleviates many problems incurred by civilian parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to personnel and their dependents.
CURRENT SITUATION: No child care facilities exist for dependents of either military or civilian employees at this activity. The nearest facility, at the Naval Submarine Base, Bangor, currently has a waiting list of over 169. Employees are required to use facilities in the private sector at a much higher cost.
IMPACT IF NOT PROVIDED: Severe impact on the morale and retention of military and civilian personnel.

"F" INSIDE.U.S.

PROJECT JUSTIFICATION FORMS INSIDE THE UNITED STATES

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, ADAK, ALASKA	COMMANDER IN CHIEF, PACIFIC FLEET	3.52

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	79	2169	190	0	0	0	105	491	0	3034
b. END FY 1995	79	2169	190	0	0	0	105	491	0	3034

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(52,181)	
b. INVENTORY TOTAL AS OF 30 SEP 89		327,610
c. AUTHORIZATION NOT YET IN INVENTORY		62,340
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		31,110
g. REMAINING DEFICIENCY		1,550
h. GRAND TOTAL		426,860

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
833.20	SOLID WASTE DISPOSAL FAC	LS	4,250	05/89	06/90
	TOTAL		4,250		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BEQ MODERNIZATION	43,510	SF	8,250
143.60	EXPLOSIVES TRANSFER FAC	LS		940
141.25	FIRE STATION	25,510	SF	7,120
143.65	OPERATIONAL CONTROL CTR	27,200	SF	11,600
880.10	FIRE ALARM SYS IMPROV	LS		3,200

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities; provide services and materials to support operations of aviation activities and units of the operating forces of the Navy and other activities and units; and provide emergency services to ships and aircraft throughout the Aleutian chain, the Bering Sea, and the North Pacific. Deployment site for a P-3 aircraft ASW patrol squadron (nine aircraft).

Navy Security Group Activity
Naval Facility
Marine Barracks

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	10
B: INSTALLATION RESTORATION	49,730
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	600

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA	NAVAL SECURITY GROUP COMMAND	3.52

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	23	568	16	0	0	0	0	0	0	607
b. END FY 1995	22	606	16	0	0	0	0	0	0	644

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,820)	
b. INVENTORY TOTAL AS OF 30 SEP 89		67,030
c. AUTHORIZATION NOT YET IN INVENTORY		17,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		23,000
h. GRAND TOTAL		113,690

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.55	OPERATIONS BLDG ADDITION	1,200	SF	3,000	03/89	08/90
	TOTAL			3,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

143.80	CLASSIC WIZARD	11,200	SF	3,200	-	-
	TOTAL			3,200		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
This activity is part of the worldwise telecommunications system providing tactical ship-to-shore and point-to-point communications for the Navy Defense Communications Systems and Naval Security Group operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA	OPERATIONS BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
N F I P 0305896N	131.55	P-075	3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS BUILDING ADDITION	SF	1,400	-	610
BUILDING ADDITION	SF	1,400	414.00	(580)
BUILT-IN EQUIPMENT	LS	-	-	(30)
SUPPORTING FACILITIES	-	-	-	2,080
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(800)
ELECTRICAL UTILITIES	LS	-	-	(940)
MECHANICAL UTILITIES	LS	-	-	(290)
PAVING AND SITE IMPROVEMENT	LS	-	-	(50)
SUBTOTAL	-	-	-	2,690
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2,830
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	170
TOTAL REQUEST	-	-	-	3,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete building addition, pile foundation, computer flooring, ventilation and air conditioning, utilities upgrade; fire protection system to include the entire building; building alterations; emergency generator.

11. REQUIREMENT: 37,700 SF ADEQUATE: 36,300 SF SUBSTANDARD: 0 SF

PROJECT:
Provides an addition to the operations building; fire protection for the entire facility. (Current mission.)

REQUIREMENT:
Additional properly-configured space to accommodate mission essential electronic systems in support of critical Defense Communications System (DCS) communications. Fire protection to meet current regulations.

CURRENT SITUATION:
The existing facility is inadequate to support any additional modern electronic equipment, and is presently without required fire protection.

IMPACT IF NOT PROVIDED:
The NSGA will not be able to accommodate new DCS supporting equipment, and will continue to operate in inadequate facilities without fire protection.

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	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	09-89

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS BUILDING ADDITION	P-075

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(90)
(B)	ALL OTHER DESIGN COSTS	(60)
(C)	TOTAL	150
(D)	CONTRACT	(130)
(E)	IN-HOUSE	(20)

(4) CONSTRUCTION START 01-91
(MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET SURVEILLANCE SUPPORT COMMAND, AMCHITKA ISLAND, ALASKA	CHIEF OF NAVAL OPERATIONS	3.48

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	7	34	2	0	0	0	0	0	72	115
b. END FY 1995	15	135	2	0	0	0	0	0	210	362

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)	
b. INVENTORY TOTAL AS OF	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	31,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	31,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
134.70	ELECTRONIC INSTALLATION	LS	31,000	06/89	07/90
	TOTAL		31,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Surveillance, early warning, and target identification. Effective management of air intercept capability.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET SURVEILLANCE SUPPORT COMMAND, AMCHITKA ISLAND, ALASKA	ELECTRONIC INSTALLATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204577N	134.70	P-001	31,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC INSTALLATION.	LS	-	-	22,470
PUBLIC WORKS SUPPORT FACILITIES.	LS	-	-	(9,670)
PERSONNEL SUPPORT FACILITIES	LS	-	-	(8,220)
PIER AREA IMPROVEMENTS	LS	-	-	(3,890)
ARCTIC ENTRIES-CORRIDORS	LS	-	-	(690)
SUPPORTING FACILITIES.	-	-	-	5,250
UTILITIES.	LS	-	-	(4,400)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(850)
SUBTOTAL	-	-	-	27,720
CONTINGENCY (5%)	-	-	-	1,390
TOTAL CONTRACT COST.	-	-	-	29,110
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	1,890
TOTAL REQUEST.	-	-	-	31,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(88,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Site preparation and base-camp support for Relocatable Over the Horizon Radar (ROTHR) System installation; personnel support facilities, operations facility, power plant; roads, security fencing, utlities upgrade; initial antenna site preparation.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides site preparation, support facilities, and utilities upgrade for ROTHR systems installations. (New mission)

REQUIREMENT:
Adequate facilities to accommodate and support air defenses in the Pacific area surveillance, early warning, target identification, and effective management of air intercept capability. To compensate for the vast size of the Pacific area and available resources, there is a requirement for long-range tactical surveillance and warning of a foreign country threat to supplement information available from intelligence sources, land-based air defense radars, and organic battle group assets. This project will support the initial ROTHR recently installed, as well as a second ROTHR increment on the Aleutian Island of Amchitka.

CURRENT SITUATION:
Classified, information available upon request.

IMPACT IF NOT PROVIDED:
The new mission cannot be accomplished, since existing facilities do not have this capability.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET SURVEILLANCE SUPPORT COMMAND, AMCHITKA ISLAND, ALASKA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONIC INSTALLATION	P-001

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	06-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	35
(C)	DATE DESIGN 35% COMPLETE	01-90
(D)	DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(800)
(B)	ALL OTHER DESIGN COSTS	(950)
(C)	TOTAL	1,750
(D)	CONTRACT	(1,600)
(E)	IN-HOUSE	(150)

(4) CONSTRUCTION START: 03-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ANTENNA AND OPERATIONAL EQUIPMENT	OPN	1991	88,000
		TOTAL	88,000

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, YUMA, ARIZONA	COMMANDANT OF THE MARINE CORPS	1.19

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	153	771	608	80	6	0	292	3273	644	5827
b. END FY 1995	164	705	559	90	0	0	538	3684	638	6378

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(462,599)	
b. INVENTORY TOTAL AS OF 30 SEP 89		166,110
c. AUTHORIZATION NOT YET IN INVENTORY		34,380
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,720
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		620
f. PLANNED IN NEXT THREE PROGRAM YEARS		18,165
g. REMAINING DEFICIENCY		71,700
h. GRAND TOTAL		294,695

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.10	AVIATION SUPPLY WAREHOUSE	46,390 SF	3,720	10/88	09/90
	TOTAL		3,720		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

740.43	PHYSICAL FITNESS CTR ADDN	LS	620	-	-
	TOTAL		620		

B. MAJOR PLANNED NEXT THREE YEARS:

136.45	WHEEL WATCH/WAVEOFF FAC	LS	815
872.15	AIR STATION SECURITY	LS	1,250
211.05	AIRCRAFT MAINT HANGAR	LS	12,000
724.22	BACHELOR OFFICER QUARTERS	45 PN	4,100

10. MISSION OR MAJOR FUNCTIONS:

Provide facilities, services, and material necessary to support major operating elements of a Marine Aircraft Wing, including aircraft maintenance, air-traffic control, and aviation ordnance handling.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	4,520
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, YUMA, ARIZONA	AVIATION SUPPLY WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	441.10	P-441	3,720

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION SUPPLY WAREHOUSE	SF	46,390	-	2,890
BUILDING-GENERAL STORAGE	SF	44,370	59.00	(2,620)
HAZARDOUS AND FLAMMABLE STORAGE	SF	2,020	134.00	(270)
SUPPORTING FACILITIES	-	-	-	450
UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	3,340
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,510
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	210
TOTAL REQUEST	-	-	-	3,720
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry load-bearing wall high-bay building, concrete foundation and floor, built-up roof, 16-foot stacking height, controlled humidity storage, administrative space sound attenuated and air conditioned, fire protection system, utilities; sewage lift station; parking area.

11. REQUIREMENT: 171,290 SF ADEQUATE: 124,900 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs a warehouse for general aviation and hazardous and flammable storage. (New mission.)

REQUIREMENT:
Adequate storage facilities to accommodate the needs of Marine Air Group-13 (MAG-13). The MAG-13 complement of four attack aircraft squadrons and a support squadron places a significant impact on limited available space.

CURRENT SITUATION:
Yuma's adequate aviation supply warehouse space will satisfy only 73% of that necessary when a military construction project presently under construction is complete.

IMPACT IF NOT PROVIDED:
Yuma cannot adequately support MAG-13 and associated units with necessary warehouse space.

ADDITIONAL:
Insufficient warehousing in the civilian community limits leasing as a viable alternative.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, YUMA, ARIZONA

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION SUPPLY WAREHOUSE	P-441

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	10-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	09-90

(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	(110)
(B) ALL OTHER DESIGN COSTS	(90)
(C) TOTAL	200
(D) CONTRACT	(50)
(E) IN-HOUSE	(150)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
MARINE CORPS AIR STATION, CAMP PENDELTON, CALIFORNIA	COMMANDANT OF THE MARINE CORPS	1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	11	131	9	8	85	0	406	2250	0	2900
b. END FY 1995	9	115	14	124	72	0	564	2925	0	3823

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(411)	
b. INVENTORY TOTAL AS OF 30 SEP 89		54,190
c. AUTHORIZATION NOT YET IN INVENTORY		29,040
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,110
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,075
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,450
g. REMAINING DEFICIENCY		19,700
h. GRAND TOTAL		114,565

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218.20	CONSTR & WT HNDLG EQP SHOP	25,390	SF	4,110	04/88	09/89
	TOTAL			4,110		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

141.20	AC FIRE & RESC STA ADDN	LS		575	-	-
171.35	OPERATIONAL TRAINER	7,000	SF	1,000	-	-
851.10	ROADS & PARKING	70,000	SY	2,500	-	-
	TOTAL			4,075		

B. MAJOR PLANNED NEXT THREE YEARS:

211.05	OMA HANGAR ADDITION	LS		900
121.10	AIR CRAFT DIRECT FUEL STA	600	GM	2,550

10. MISSION OR MAJOR FUNCTIONS:

As a key component of the Commander, Marine Corps Air Bases, West, provides airfield facilities and material to support operations of the third Marine Aircraft Wing Unit.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CAMP PENDELTON, CALIFORNIA	CONSTRUCTION AND WEIGHT HANDLING EQUIPMENT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	218.20	P-584	4,110

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSTRUCTION AND WEIGHT HANDLING EQUIP SHOP. .	SF	25,390	87.00	2,210
SUPPORTING FACILITIES.	-	-	-	1,480
ELECTRICAL UTILITIES	LS	-	-	(300)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,020)
SUBTOTAL	-	-	-	3,690
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	3,880
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,110
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story steel frame building and one one-story shop building, concrete floors and foundations, masonry walls, built-up roof, training and administrative areas, hoists, sound attenuation, vehicle loading ramps, washracks, hazardous material storage, security fencing and lighting, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 25,390 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides facilities to house a heavy equipment shop, training, and administrative functions of the Marine Wing Support Squadron 372 (MWSS-372). (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities to train, service, and properly maintain vehicles and equipment assigned to the squadron, thereby extending their useful service life. MWSS-372 has approximately 600 personnel and 1,500 pieces of equipment.

CURRENT SITUATION:
MWSS-372 was recently organized at this station and there are no facilities available to house this function.

IMPACT IF NOT PROVIDED:
Tents, trailers, and temporary buildings will have to be used with an adverse effect on the squadron. The lack of facilities make it impossible to properly maintain the vehicles and equipment. The Commanding Officer and his staff will not be able to properly administer and supervise personnel and activities.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CAMP PENDELTON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
CONSTRUCTION AND WEIGHT HANDLING EQUIPMENT SHOP	P-584

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	04-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	11-88
(D)	DATE DESIGN COMPLETE	09-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(205)
(B)	ALL OTHER DESIGN COSTS	(215)
(C)	TOTAL	420
(D)	CONTRACT	(350)
(E)	IN-HOUSE	(70)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
AMPHIBIOUS TASK FORCE CAMP PENDLETON, CALIFORNIA	COMMANDER IN CHIEF, PACIFIC FLEET	1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 01/21/90	15	340	0	0	0	0	0	0	0	355
b. END FY 1995	29	675	0	0	0	0	0	0	0	704

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF MCB	
b. INVENTORY TOTAL AS OF 30 SEP 89		30,240
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,470
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		8,000
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		63,310

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.06	LCAC SUPPORT COMPLEX	LS	8,470	03/89	03/90
	TOTAL		8,470		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):				
721.11	BEQ	LS	5,300	- -
211.05	~~LCAC~~ COMPLEX (INCR IV)	LS	11,300	
B. MAJOR PLANNED NEXT THREE YEARS:				
211.05	LCAC COMPLEX (INCR V)	LS	8,000	

10. MISSION OR MAJOR FUNCTIONS:

Support one Assault Craft Unit with principal mission to operate and deploy landing craft air cushion equipment providing high-speed, over-the-beach, ship-to-shore amphibious lift capability to lift equipment organic to a Marine Corps amphibious force.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AMPHIBIOUS TASK FORCE CAMP PENDLETON, CALIFORNIA	LANDING CRAFT AIR CUSHION SUPPORT COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	211.06	P-953	8,470

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LANDING CRAFT AIR CUSHION SUPPORT COMPLEX. . .	LS	-	-	5,590
MAINTENANCE BUILDING	SF	24,620	127.00	(3,130)
LCAC PARKING APRON	SY	49,060	41.00	(2,010)
DIRECT FUELING FACILITIES.	LS	-	-	(450)
SUPPORTING FACILITIES.	-	-	-	2,020
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(50)
ELECTRICAL UTILITIES	LS	-	-	(600)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(380)
ESTUARY IMPRS AND ENVIRONMENTAL MITIGATION .	LS	-	-	(690)
SUBTOTAL	-	-	-	7,610
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST.	-	-	-	7,990
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	480
TOTAL REQUEST.	-	-	-	8,470
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame and masonry high-bay building, concrete spread foundation footings, concrete floor, membrane sheet roofing, fire protection system, mechanical ventilation, utilities; parking apron; direct fueling facility; erosion control facilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs increment III to the Landing Craft Air Cushion (LCAC) support complex. (New Mission.)

REQUIREMENT:

Adequate and properly-configured facilities to accommodate and support the phased procurement of additional LCAC arriving between 1991 and 1993. The arrival of additional craft, for a total of 53, requires more parking apron, maintenance hangar bay support, and direct fueling capability.

CURRENT SITUATION:

The facility has been constructed in increments to meet operational and training requirements as the craft are delivered. Currently, 12 craft have been delivered. The procurement of craft has been accelerated and the existing facility cannot support the total planned 53 craft to be assigned to the activity.

IMPACT IF NOT PROVIDED:

The facility will not have the capacity to support the planned number of craft or meet training requirements.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

AMPHIBIOUS TASK FORCE CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
LANDING CRAFT AIR CUSHION SUPPORT COMPLEX	P-953

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	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	03-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES___NO_X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(240)
(B) ALL OTHER DESIGN COSTS	(250)
(C) TOTAL	490
(D) CONTRACT	(465)
(E) IN-HOUSE	(25)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	COMMANDANT OF THE MARINE CORPS	1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	324	3222	3496	0	598	0	2635	34684	372	45331
b. END FY 1995	1556	13130	4666	66	5497	0	1724	23903	0	50542

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(186,061)	
b. INVENTORY TOTAL AS OF 30 SEP 89		605,750
c. AUTHORIZATION NOT YET IN INVENTORY		199,180
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,910
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		28,517
f. PLANNED IN NEXT THREE PROGRAM YEARS		24,900
g. REMAINING DEFICIENCY		170,110
h. **GRAND TOTAL**		1,048,367

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	ELECS COMMS MAINT SHOP	29,500	SF	5,330	02/89	07/90
722.10	MESS HALL	17,200	SF	3,720	09/88	01/90
179.45	MIL OPS IN URBANIZED TERRN	LS		10,860	02/89	07/90
	TOTAL			19,910		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

143.45	ARMORY (PULGAS)	LS		340	-	-
214.51	AUTO ORGANIZATIONAL SHOP	LS		6,100	-	-
171.35	BASIC WARRIOR TRAINING	160,000	SF	10,577	-	-
143.45	BWT SUPT FACS (SAN ONOFRE)	LS		750	-	-
179.50	CBT TRNG AREA (SAN ONOFRE)	101,760	SF	1,750	-	-
813.20	ELEC UPGRD-HAYBARN CANYON	LS		7,700	-	-
721.45	MESS HALL EXPANSION	15,040	SF	1,300	-	-
	TOTAL			28,517		
	TOTAL			28,517		

10. MISSION OR MAJOR FUNCTIONS:

Provide housing, training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools and other training as directed. Organize and train replacement units for deployment overseas as directed. Provide logistical support for other Marine Corps activities as directed.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

		($000)
A:	POLLUTION ABATEMENT	3,560
B:	INSTALLATION RESTORATION	9,950
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	1,350

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	217.10	P-229	5,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP. .	SF	29,500	-	2,750
ELECTRONICS COMMUNICATIONS SHOP.	SF	24,500	99.00	(2,430)
VEHICLE EQUIPMENT STORAGE.	SF	5,000	63.00	(320)
SUPPORTING FACILITIES.	-	-	-	2,040
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,320)
DEMOLITION AND REMOVAL	LS	-	-	(200)
SUBTOTAL	-	-	-	4,790
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST.	-	-	-	5,030
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	300
TOTAL REQUEST.	-	-	-	5,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, metal roofing, concrete foundation and floor, overhead cranes, fire protection system, energy monitoring and control system; one pre-engineered metal building, concrete foundation and floor; ventilation, utilities; demolition of two buildings, removal of contaminated underground tanks, soils, and asbestos; parking.

11. REQUIREMENT: 29,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs facilities for maintenance and repair of electronics and communications equipment and vehicles assigned to the Headquarters Battalion. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities to accomplish prescribed maintenance on electronics and communications equipment and vehicles.

CURRENT SITUATION:
Existing maintenance and storage facilities are dispersed, makeshift complexes consisting primarily of miscellaneous open repair sheds, tents, and quonset huts. Most repair and maintenance is accomplished outdoors where the mechanics and equipment are exposed to inclement weather and operations are complicated by dirt and dust. Indoor space is not only extremely limited, but unheated, poorly lighted and the atmosphere is not conducive to the quality of maintenance required by Fleet Marine Force units.

IMPACT IF NOT PROVIDED:
Meeting prescribed maintenance requirements will be complicated if not impossible, quality of maintenance will be compromised, deterioration of equipment will be accelerated, and support during combat could be unreliable.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	P-229

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	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	07-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(265)
(B) ALL OTHER DESIGN COSTS	(180)
(C) TOTAL	445
(D) CONTRACT	(380)
(E) IN-HOUSE	(65)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	722.10	P-977	3,720

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL	SF	17,200	163.00	2,800
SUPPORTING FACILITIES	-	-	-	540
UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT, DEMOLITON	LS	-	-	(380)
SUBTOTAL	-	-	-	3,340
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,510
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	210
TOTAL REQUEST	-	-	-	3,720
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 roofing, concrete loading dock, separate outdoor storage facility, electronic monitored energy system, fire protection system, utilities; demolition of two buildings, removal of underground fuel tanks, contaminated soil and asbestos.

11. REQUIREMENT: 17,200 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs mess hall. (Current mission.)

REQUIREMENT:
Adequate and modern mess hall facility for the headquarters area Camp Pendleton which supports 3,500 Marines and needs the capability to feed 1,440 during each meal period.

CURRENT SITUATION:
Messing in the headquarters area utilizes an inadequate 45-year old wooden building which has exceeded its useful life. The building requires extensive manpower to maintain and is not economically feasible to modernize. The messing requirement has grown in the headquarters area because of consolidation and assignment of new units.

IMPACT IF NOT PROVIDED:
Long-phased meal hours, which are very disruptive to normal work routines and reduce productivity, will be necessary. A single mess hall with the capacity of the existing inadequate facility cannot maintain a prolonged intensive feeding program. Busing Marines to adjacent areas at Camp Pendleton would have to be implemented. This would increase time away from work and time to feed and reduce time to eat. It would also obligate men and equipment to an avoidable expensive administrative bus service while removing them from military oriented training and job functions.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MESS HALL	P-977

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	09-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	06-89
(D)	DATE DESIGN COMPLETE	01-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(195)
(B)	ALL OTHER DESIGN COSTS	(205)
(C)	TOTAL	400
(D)	CONTRACT	(355)
(E)	IN-HOUSE	(45)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA	MILITARY OPERATIONS IN URBANIZED TERRAIN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	179.45	P-996	10,860

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY OPERATIONS IN URBANIZED TERRAIN . . .	LS	-	-	6,500
TRAINING MOCK-UPS.	SF	141,300	46.00	(6,500)
SUPPORTING FACILITIES.	-	-	-	3,260
UTILITIES.	LS	-	-	(590)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(2,670)
SUBTOTAL	-	-	-	9,760
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST.	-	-	-	10,250
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	610
TOTAL REQUEST.	-	-	-	10,860
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct combat training complex, 16 intact and 16 rubble concrete and masonry buildings, paving, bridges, land and streetscape elements, staging area, access road, helicopter landing pad, utilities; close-quarter battle range, ventilation system.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs a Company Team Exercise, Battalion Task Force Training Facility for training in urban warfare. (Current mission).

REQUIREMENT:

An adequate Military Operations in Urban Terrain (MOUT) facility to develop and maintain a proficiency in urban warfare and terrorist activities. Mastery of MOUT is deemed critical to success on the modern battlefield, and has been an integral element of Marine Corps doctrine since the second world war. Widespread urban sprawl throughout potential areas of conflict makes combat in built-up areas unavoidable. In many cases tactical and sometimes strategic advantage will result by gaining control of urban areas. This facility will support approximately 40,000 personnel from the Marine Corps Base and other off-base military and civilian organizations.

CURRENT SITUATION:

This activity maintains two urbanized training facilities. One of these combat towns is a 25-year old, wood-frame structure that provides training in combat in built-up areas, evacuation missions, raid operation, anti-terrorist training, and is the only facility of its kind in the central and northern areas of Camp Pendleton. Decay, aging, weathering, and heavy use have taken their toll on this facility, complicating its safe use. The other combat town is of permanent construction, and its design and limited size restricts its use to small unit training. These facilities are used continuously and scheduling requires a long-lead time.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MILITARY OPERATIONS IN URBANIZED TERRAIN	P-996

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:
Large unit training in urban warfare and counter-insurgency operations cannot be conducted. Continued use of existing inadequate and overtaxed facilities will severely impact on the effectiveness of operating forces and basic survival of troops in combat.

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	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	07-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(255)
(B) ALL OTHER DESIGN COSTS	(180)
(C) TOTAL	435
(D) CONTRACT	(335)
(E) IN-HOUSE	(100)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	NAVAL AIR SYSTEMS COMMAND	1.25

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	110	793	5455	0	0	0	0	0	0	6358
b. END FY 1995	143	854	5457	0	0	0	0	0	0	6454

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,123,135)	
b. INVENTORY TOTAL AS OF 30 SEP 89		314,630
c. AUTHORIZATION NOT YET IN INVENTORY		32,090
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		17,585
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		4,400
g. REMAINING DEFICIENCY		4,160
h. GRAND TOTAL		388,865

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
311.25	ADVANCED WEAPONS LAB	84,480	SF	17,585	06/88	08/90
	TOTAL			17,585		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

317.15	INTEG NAV AIR DEF SYS FAC	42,900	SF	16,000	-	-
	TOTAL			16,000		

B. MAJOR PLANNED NEXT THREE YEARS:

812.40	SECURITY IMPROVEMENTS	LS		4,400
317.20	ELEC & ELECTRONICS SYS LAB	31,600	SF	7,000

10. MISSION OR MAJOR FUNCTIONS:

Principal Navy RDT&E center for air warfare and missile weapons systems. Maintains the primary in-house research and development capability for systems, subsystems and technologies included but not limited to strike aircraft/weapons systems and concept development; air launched weapons and associated avionics systems including aircraft guns and ammunition, guided and unguided weapons, aircraft weapons control and aircraft/weapons interface, tactical missiles; subsystems for weapons systems which include propulsion, guidance and control, warheads, fuel and launchers; strike warfare countermeasures; weather modification; and parachute test and evaluation.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	1,900
B: INSTALLATION RESTORATION	30,830
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	ADVANCED WEAPONS LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	311.25	P-431	17,585

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADVANCED WEAPONS LABORATORY	SF	84,480	-	12,270
BUILDING	SF	84,480	99.00	(8,360)
SHELTERS	LS	-	-	(400)
TAXIWAYS AND APRONS	LS	-	-	(2,240)
BUILT-IN EQUIPMENT	LS	-	-	(1,270)
SUPPORTING FACILITIES	-	-	-	3,530
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(350)
ELECTRICAL UTILITIES	LS	-	-	(1,700)
MECHANICAL UTILITIES	LS	-	-	(1,240)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	15,800
CONTINGENCY (5%)	-	-	-	790
TOTAL CONTRACT COST	-	-	-	16,590
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	995
TOTAL REQUEST	-	-	-	17,585
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(26,840)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story hangar building, insulated metal siding, reinforced concrete floors and foundations, insulated steel roof deck with built-up roofing, elevated sensor tower, fire protection system, utilities, air conditioning; taxiways and aprons; shelters.

11. REQUIREMENT: 84,480 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides secure facilities for test and evaluation (T&E) of tactical aircraft, test platforms, and associated classified equipment under compartmented, special access conditions. (New mission).

REQUIREMENT:
Adequate and properly-configured facilities for technical and administrative support for special secure programs needing vaulted work spaces, laboratories, hangar, and shops in a secure TEMPEST shielded environment for continuing hardware and software life-cycle support.

CURRENT SITUATION:
No secure facilities exist which are capable of providing the necessary workspaces for development, integration, and test of weapon systems with highly classified and sight sensitive equipment configurations. Use of existing facilities would compromise the weapon systems and equipment involved and reduce or eliminate their effectiveness when employed in combat.

IMPACT IF NOT PROVIDED:
Navy will not have adequate, secure test facilities for classified equipment and systems test and evaluation before introduction into the fleet. The result will be a weapon system which has not fully matured and will have numerous technical problems during the first deployments, possibly jeopardizing both the pilot and the aircraft.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ADVANCED WEAPONS LABORATORY	P-431

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	06-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	50
(C)	DATE DESIGN 35% COMPLETE	07-89
(D)	DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: NA

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(900)
(B)	ALL OTHER DESIGN COSTS	(600)
(C)	TOTAL	1,500
(D)	CONTRACT	(1,450)
(E)	IN-HOUSE	(50)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SOFTWARE DEVELOPMENT COMPUTER SYSTEM INTEGRATION/VALIDATION/ SIMULATION FACILITY FOR AVIONICS, WEAPONS, TARGET AND COCKPIT	APN	1990 - 1991	23,240
DATA ANALYSIS EQUIPMENT	APN	1991	3,600
		TOTAL	26,840

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL WEAPONS STATION, CONCORD, CALIFORNIA	NAVAL SEA SYSTEMS COMMAND	1.07

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	129	2424	1161	0	0	0	0	0	0	3714
b. END FY 1995	129	2424	1161	0	0	0	0	0	0	3714

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,024)	
b. INVENTORY TOTAL AS OF 30 SEP 89		105,960
c. AUTHORIZATION NOT YET IN INVENTORY		11,710
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,250
f. PLANNED IN NEXT THREE PROGRAM YEARS		31,850
g. REMAINING DEFICIENCY		36,900
h. GRAND TOTAL		197,520

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
860.30	RAILROAD/VEHICULAR BRIDGE	LS	9,850	03/89	06/90
	TOTAL		9,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
212.10	GUIDED MISSILE INTEGRA FAC	1,000	SF	1,250	- -
	TOTAL			1,250	
B. MAJOR PLANNED NEXT THREE YEARS:					
212.10	AIR MISSILE FACILITIES	11,000	SF	5,800	
421.72	COUNTERMEASURE MAGS	18,480	SF	4,550	
212.10	GUIDED MISSILE INTEG FAC	34,750	SF	10,900	
421.72	MISSILE MAGAZINE	12,940	SF	2,200	

10. MISSION OR MAJOR FUNCTIONS:

Maintenance and quality evaluation engineering of missiles and other military explosives. Storage and transshipment of ordnance. Maintenance and testing or ordnance handling and shipping equipments. Design, development and procurement of ordnance test systems. Support homeported ammunition ships.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	80
B: INSTALLATION RESTORATION	74,000
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, CONCORD, CALIFORNIA	RAILROAD/VEHICULAR BRIDGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	860.30	P-292	9,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RAILROAD/VEHICULAR BRIDGE	LS	-	-	4,330
RAILROAD/VEHICULAR BRIDGE	SF	14,400	170.00	(2,450)
EMBANKMENTS	LS	-	-	(890)
SUPPORT BUILDINGS	SF	2,350	192.00	(450)
RAIL, TIES, BALLAST	LS	-	-	(540)
SUPPORTING FACILITIES	-	-	-	4,520
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(2,260)
UTILITIES RELOCATION	LS	-	-	(980)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,280)
SUBTOTAL	-	-	-	8,850
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,290
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	560
TOTAL REQUEST	-	-	-	9,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Prestressed concrete bridge for both railroad and vehicular traffic, earthen access ramps, compacted borrow material, reinforced concrete retaining walls; railroad relocation; utilities relocation; badge and pass building; two concrete block guardhouses; two non-signalized traffic intersections, paving and pavement striping; security fencing, railroad traffic control signal system; lighting.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides Navy-owned railroad and vehicular bridge across a public highway to insure uninterrupted movement of explosives between inland and tidal areas during crises or wartime conditions, to meet all loading commitments without chance of disruption by anti-military groups, eliminate traffic conflicts between the general public and Navy shipments, and prevent demonstrators from blocking shipments of ordnance materials. (Current mission).

REQUIREMENT:

Eliminate protestors and demonstrators blockading ordnance shipments occurring between the inland production, maintenance, and storage area and the tidal receiving, segregation, and waterfront loading facilities. Increase safety and security for ordnance transshipment by eliminating blockades and interference with general public traffic. Provide Navy vehicle operators and security personnel best physical isolation and vantage point relative to demonstrator activities and general public traffic. Improve efficiency and effectiveness of transshipping explosives. Impose least negative impacts on nearby communities by Navy.

CURRENT SITUATION:

Inland and tidal areas are separated by a public roadway which is a site of continuous demonstrator activity including ordnance shipment blockading. The public roadway is also experiencing rapidly increased general public usage because of rapid population growth. Navy is spending at rate of $1 million plus per year and local law enforcement

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CONCORD, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
RAILROAD/VEHICULAR BRIDGE	P-292

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
agencies are spending at rate of $0.5 million plus per year to counteract unsafe and counterproductive demonstrator blockading of Navy trains and truck shipments across a public highway. Potential for a significant accident is extremely high. Potential for demonstrators leaving site in the foreseeable future is remote. Rapid population growth in the area and burgeoning general public traffic volume adds to public highway crossing hazard. Two other alternatives for this project were evaluated; underpass or overpass Navy railroad and vehicular route respectively. Both alternatives had significant negative environmental impacts upon local traffic and nearby non-Navy residents and businesses.

IMPACT IF NOT PROVIDED:
Continued and likely increasing expenditure of federal and local taxpayer dollars to counteract demonstrators' blockades. High risk of a major accident involving demonstrators or the general public.

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	03-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	35
(C)	DATE DESIGN 35% COMPLETE	09-89
(D)	DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	NA

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(535)
(B)	ALL OTHER DESIGN COSTS	(545)
(C)	TOTAL	1,080
(D)	CONTRACT	(1,040)
(E)	IN-HOUSE	(40)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL WEAPONS STATION SEAL BEACH ANNEX, CORONA, CALIFORNIA	NAVAL SEA SYSTEMS COMMAND	.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1	1	1051	0	0	0	0	0	0	1053
b. END FY 1995	5	1	1153	0	0	0	0	0	0	1159

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,990)	
b. INVENTORY TOTAL AS OF 30 SEP 89		76,700
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,870
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		9,400
h. GRAND TOTAL		94,970

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
315.30	WEAPONS TEST & EVAL FAC	48,000 SF	8,870	02/89	09/90
	TOTAL		8,870		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Receive, store, issue and renovate all types of ammunition, maintain basic stocks, assemble, unload, check out, issue, maintain, repair and store designated missiles (including associated components, both explosive and inert); operate a weapons quality evaluation laboratory.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION SEAL BEACH ANNEX, CORONA, CALIFORNIA	WEAPONS TESTING AND EVALUATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	315.30	P-171	8,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS TESTING & EVALUATION FACILITY	SF	48,000	-	7,600
BUILDING	SF	48,000	116.00	(5,570)
TEMPEST SHIELDING	LS	-	-	(790)
BUILT-IN EQUIPMENT	LS	-	-	(1,240)
SUPPORTING FACILITIES	-	-	-	370
ELECTRICAL UTILITIES	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
DEMOLITION	LS	-	-	(110)
SUBTOTAL	-	-	-	7,970
CONTINGENCY (5%)	-	-	-	400
TOTAL CONTRACT COST	-	-	-	8,370
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	500
TOTAL REQUEST	-	-	-	8,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(7,250)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete building, concrete foundation and floors, built-up roofing, fire protection system, solar-assisted environmental control, TEMPEST shielding, security systems, back-up electric power generators, utilities, air conditioning; demolition of four buildings.

11. REQUIREMENT: 48,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a weapons engineering, operations and telemetry laboratory. (Current mission.)

REQUIREMENT:

Adequate facility with controlled environment to support the integrated assessment of battle group performance with its enormous increase in complexity of the individual weapons systems. The integration of hundreds of weapons systems and people in the battle group so they operate together successfully is dependent on being able to assess their performance and provide timely feedback to validate tactics, determine readiness and capability, devise corrective actions where needed, and identify additional training. The assessment of battle group performance requires facilities for real-time, secure communications and computer-based analysis tools such as interactive graphics and distributed data bases. This facility is essential to providing the required comprehensive assessment of battle group performance.

CURRENT SITUATION:

Some elements of the integrated assessment of battle group performance are not being done because there is a lack of adequate facilities and equipment. The assessment functions are being done in converted former hospital wards at the Corona site. Weapons systems and battle group elements are analyzed individually based on both automatically and manually collected data. All forms of data are transferred to Corona by courier or mail which introduces significant delays. This data analysis process uses paper as the medium for information display which is time-consuming and labor-intensive relative to electronics. Results of

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION SEAL BEACH ANNEX, CORONA, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS TESTING AND EVALUATION FACILITY	P-171

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
the individual elements are integrated after completion of the analysis process to assess battle group level performance. This approach is limited by time available and usually results in the inability to fully assess the many complex interactions taking place. There is the chance of overlooking an obscure but important finding because of the quantity of information that must be processed without the tools of modern computing technology.

IMPACT IF NOT PROVIDED:
Complete information to be gained from large scale fleet exercises will continue to be lost because of the lack of adequate facilities for assessment. Lessons that could be learned about fleet readiness, tactics and weapons, sensors and communications performance will be denied.

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	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(440)
(B) ALL OTHER DESIGN COSTS	(250)
(C) TOTAL	690
(D) CONTRACT	(650)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
GRAPHIC WORK STATIONS, COMPUTER SYSTEMS, LARGE SCREEN DISPLAYS	NIF(ACP)	1990 - 1994	7,250
		TOTAL	7,250

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	COMMANDANT OF THE MARINE CORPS	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	75	555	865	20	159	0	620	6018	1202	9514
b. END FY 1995	96	629	912	20	159	0	772	5249	1531	9368

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,720)	
b. INVENTORY TOTAL AS OF 30 SEP 89		279,750
c. AUTHORIZATION NOT YET IN INVENTORY		61,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,980
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,070
f. PLANNED IN NEXT THREE PROGRAM YEARS		17,640
g. REMAINING DEFICIENCY		139,820
h. GRAND TOTAL		510,960

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.20	DATA PROCESS CNTR	24,200	SF	3,970	11/88	08/90
441.30	HAZ & FLAMMABLE STRHSES	17,500	SF	3,010	08/86	05/87
	TOTAL			6,980		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

214.51	AUTOMOTIVE SHOP	20,720	SF	2,300	-	-
149.15	FIXED AIRCRAFT START SYS	LS		820	-	-
421.32	INERT STORAGE	17,500	SF	1,950	-	-
	TOTAL			5,070		

B. MAJOR PLANNED NEXT THREE YEARS:

171.35	OPERATIONS TRAINING FAC	18,300	SF	1,330
740.43	PHYSICAL FITNESS CENTER	31,500	SF	5,900

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and material to support the operation of a Marine aircraft wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

One Marine Aircraft Wing
One Naval Aviation Maintenance Training Detachment
One Marine Air Reserve Training Detachment

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	1,690
B: INSTALLATION RESTORATION	4,930
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	DATA PROCESSING CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	610.20	P-381	3,970

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DATA PROCESSING CENTER	SF	24,200	131.00	3,170
SUPPORTING FACILITIES	-	-	-	390
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(70)
UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT,DEMOLITION	LS	-	-	(120)
SUBTOTAL	-	-	-	3,560
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,740
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	3,970
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, pile foundation, concrete floor, masonry walls, built-up roof, computer flooring, sound attenuation, air conditioning, fire protection system, utilities; demolition of one building.

11. REQUIREMENT: 24,200 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs a building to house a Regional Automated Data Processing Center (RADPC). (Current mission.)

REQUIREMENT:
Adequate facilities with space and equipment tailored for computer equipment operation, software development and administrative functions associated with a RADPC. This unit performs all computerized supply functions, documents maintenance actions, processes civilian payroll, and stores personnel records for all the Marine aviation commands in the southwest region of the United States. The RADPC processes over 2,000 separate job orders every month and each one is critical to the normal operations of the Third Marine Aircraft Wing (MAW).

CURRENT SITUATION:
The existing RADPC is located in a converted, inadequate warehouse, insufficient in space, lacking the specialized utility support of isolated electric power, fire protection, and environmental controls, and does not have adequate security safeguards. In an attempt to alleviate overcrowding, the administrative functions associated with this unit have been moved to an old converted machine shop two and a half miles from the computer operations.

IMPACT IF NOT PROVIDED:
The reliability and timeliness of all Third MAW computer processing services will be degraded. Existing facility will remain at high risk from fire, electric power surges, and unauthorized intrusion. Loss of computer support would drastically limit supply and maintenance to Third MAW Squadrons. The existing overcrowding will become even worse as

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, EL TORO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
DATA PROCESSING CENTER	P-381

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
upgraded computer equipment is delivered and becomes operational.

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	11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	12-89
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(205)
(B) ALL OTHER DESIGN COSTS	(60)
(C) TOTAL	265
(D) CONTRACT	(255)
(E) IN-HOUSE	(10)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	HAZARDOUS AND FLAMMABLE STOREHOUSES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	441.30	P-341	3,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS AND FLAMMABLE STOREHOUSES.	SF	17,500	-	2,270
MASONRY BUILDINGS.	SF	16,000	122.00	(1,950)
METAL BUILDINGS.	SF	1,500	153.00	(230)
BUILT-IN EQUIPMENT	LS	-	-	(90)
SUPPORTING FACILITIES.	-	-	-	430
UTILITIES, PAVING AND SITE IMPROVEMENT . . .	LS	-	-	(430)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two masonry buildings, loading docks with load levelers, 12-foot stacking height, concrete foundations and floors, built-up roofs; ten metal buildings, concrete floors; ventilation systems, explosion proof lighting, contaminated waste storage tanks, fire protection system, utilities.

11. REQUIREMENT: 41,510 SF ADEQUATE: 24,010 SF SUBSTANDARD: 0 SF

PROJECT:
Provides an environmentally sound and safe storage facility for hazardous and flammable materials for the two intermediate maintenance activity (IMA) van complexes and at each maintenance hangar. (Current mission.)

REQUIREMENT:
Adequate, safe and secure storage as mandated by environmental regulations for numerous hazardous and flammable materials used routinely in aircraft maintenance operations.

CURRENT SITUATION:
No suitable storage areas presently exist in the vicinity of the two IMA van complexes. Existing storage areas serving the 10 squadron maintenance departments are small quonset huts and large portable steel containers. None of these meet applicable environmental regulations or fire codes for storage of hazardous and flammable materials.

IMPACT IF NOT PROVIDED:
Hazardous and flammable materials required to support aircraft maintenance will continue to be stored in an improper and hazardous manner. An unacceptable potential for environmental contamination exists should an accident occur at one of the inadequate storage facilities. Maintenance actions at the IMA van complexes will be impaired because of lengthy transit time to and from suitable storage.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, EL TORO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
HAZARDOUS AND FLAMMABLE STOREHOUSES	P-341

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	08-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	10-86
(D) DATE DESIGN COMPLETE	05-87

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(80)
(B) ALL OTHER DESIGN COSTS	(80)
(C) TOTAL	160
(D) CONTRACT	(120)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, LEMOORE, CALIFORNIA	COMMANDER IN CHIEF, PACIFIC FLEET	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	524	5100	772	60	223	0	3	73	0	6755
b. END FY 1995	524	5100	772	44	251	0	3	73	0	6767

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(39,173)	
b. INVENTORY TOTAL AS OF 30 SEP 89		197,670
c. AUTHORIZATION NOT YET IN INVENTORY		6,090
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		2,550
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,200
g. REMAINING DEFICIENCY		94,800
h. GRAND TOTAL		312,210

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	WEAPONS SCHOOL ADDITION	LS	900	05/88	01/90
	TOTAL		900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
211.03	CORROSION CONTROL FAC	11,150	SF	2,550	-	-
	TOTAL			2,550		
B. MAJOR PLANNED NEXT THREE YEARS:						
148.15	WEAPONS AREA IMPROV	LS		10,200		

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and materials to support operations of aviation activities of the Pacific Fleet.

Eight Fleet Light Attack (A-7 and F/A-18) Squadrons
Two Replacement Training Squadrons

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	1,230
B: INSTALLATION RESTORATION	24,350
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	2,550

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
LONG BEACH NAVAL SHIPYARD, LONG BEACH, CALIFORNIA	NAVAL SEA SYSTEMS COMMAND	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	26	9	4502	0	0	0	0	0	0	4537
b. END FY 1995	33	7	4502	0	0	0	0	0	0	4542

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(350)	
b. INVENTORY TOTAL AS OF 30 SEP 89		187,350
c. AUTHORIZATION NOT YET IN INVENTORY		3,630
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		13,500
g. REMAINING DEFICIENCY		82,150
h. GRAND TOTAL		287,130

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.55	ASBESTOS REMOVAL SHOP	LS	500	04/89	04/90
	TOTAL		500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

842.10	UTILITIES IMPROVEMENTS	LS	13,500

10. MISSION OR MAJOR FUNCTIONS:
Maintenance and overhaul of conventional powered surface ships up to and including attack carriers. Logistic support provided includes conversion, reactivation, overhaul, repair, alterations, and dry docking. Support is also provided for air, anti-air, and anti-submarine warfare weapon systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	590
B: INSTALLATION RESTORATION	840
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, LONG BEACH, CALIFORNIA	COMMANDER IN CHIEF, PACIFIC FLEET	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1083	12746	853	0	0	0	73	491	0	15246
b. END FY 1995	964	11673	853	0	0	0	83	510	0	14083

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,351)	
b. INVENTORY TOTAL AS OF 01 OCT 89		128,390
c. AUTHORIZATION NOT YET IN INVENTORY		26,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,520
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		11,350
g. REMAINING DEFICIENCY		87,690
h. GRAND TOTAL		264,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
842.10	WHARF UTILITIES UPGRADE	LS	3,520	12/83	12/88
	TOTAL		3,520		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
151.20	BERTHING PIER EXTENSION	LS	3,450	-	-
441.30	HAZ & FLAMMABLE STOREHOUSE	LS	900	-	-
721.40	DISCIPLINARY BARRACKS	10,530 SF	1,400	-	-
730.10	FIRE STATION EXPANSION	LS	750	-	-
	TOTAL		6,500		
B. MAJOR PLANNED NEXT THREE YEARS:					
724.12	BACHELOR OFFICER QUARTERS	34,000 SF	4,520	-	

10. MISSION OR MAJOR FUNCTIONS:

Provides logistic support for the operating forces of the Navy and for dependent activities and other commands as assigned. Services range from providing ships with berths, fuel and water, to providing recreation facilities for military personnel. There are presently 14 ships homeported including two battleships.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	70
B:	INSTALLATION RESTORATION	290
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	700

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, LONG BEACH, CALIFORNIA	WHARF UTILITIES UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	842.10	P-201	3,520

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WHARF UTILITIES UPGRADE	LS	-	-	3,160
STEAM LINE UPGRADE	LS	-	-	(600)
POTABLE WATER SYSTEM UPGRADE	LS	-	-	(2,120)
PAVING AND SITE IMPROVEMENT	LS	-	-	(440)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	200
TOTAL REQUEST	-	-	-	3,520
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Replace 10-inch steam conduits, manholes and valves; 16-inch potable water line, upgrade distribution laterals, 750,000-gallon water storage tank, booster pump station.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Upgrades utilities on the west side of Pier E. (New mission.)

REQUIREMENT:

Adequate utility systems with sufficient capacity and reliability to fully support all ships berthed or undergoing repairs at Pier E. Pier E has been transferred from a shipyard repair pier to a naval station homeporting pier for four frigates.

CURRENT SITUATION:

Existing utilities on Pier E were installed for outfitting of ships that had completed overhaul. The steam distribution system has insufficient capacity to meet the requirement. Water supply is dependent upon the water supply from the City of Long Beach. Inadequate water storage capacity exists in the shipyard to provide adequate water pressure should a loss of city water occur.

IMPACT IF NOT PROVIDED:

Failure of any of the utilities services would result in disruption of activities, delay of repairs, and increased use of shipboard auxiliary systems to compensate. This would have a detrimental impact on the readiness of ships.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, LONG BEACH, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
WHARF UTILITIES UPGRADE .	P-201

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.	01-86
(B)	PERCENT COMPLETE AS OF JANUARY 1990.	100
(C)	DATE DESIGN 35% COMPLETE	11-86
(D)	DATE DESIGN COMPLETE	05-89

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___NO_X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(200)
(B)	ALL OTHER DESIGN COSTS	(170)
(C)	TOTAL.	370
(D)	CONTRACT	(330)
(E)	IN-HOUSE	(40)

(4) CONSTRUCTION START. 11-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, MIRAMAR, CALIFORNIA	COMMANDER IN CHIEF, PACIFIC FLEET	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1033	6820	2064	146	363	0	182	510	0	11118
b. END FY 1995	1033	6820	2121	211	375	0	192	540	0	11292

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(23,606)	
b. INVENTORY TOTAL AS OF 30 SEP 89		218,360
c. AUTHORIZATION NOT YET IN INVENTORY		46,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		700
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,170
g. REMAINING DEFICIENCY		57,880
h. GRAND TOTAL		330,120

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	TOPGUN ACADEMIC FACILITY	30,200	SF	4,040	03/89	04/90
171.20	WEAPONS SCHOOL ADDITION	5,000	SF	1,420	03/89	04/90
	TOTAL			5,460		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
211.05	MAINT HANGAR-O/H SPACE	LS		700	-	-
	TOTAL			700		
B. MAJOR PLANNED NEXT THREE YEARS:						
141.87	LIQUID OXYGEN/NITROGEN FAC	2,700	SF	1,170		

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and materials to support operations of aviation activities of the Pacific Fleet. Homeport of west coast fleet fighter squadrons.

Three Replacement Training Squadron
Photo and Composite Squadrons
Four Naval Air Reserve Squadrons
Four Airborne Early Warning (E-2B) Squadrons
Ten Fleet Fighter Squadrons
Fighter Weapons School
Reserve Center>

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	4,090
B:	INSTALLATION RESTORATION	14,510
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	700

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, MIRAMAR, CALIFORNIA	TOPGUN ACADEMIC FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.20	P-346	4,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TOPGUN ACADEMIC FACILITY	SF	30,200	91.00	2,750
SUPPORTING FACILITIES	-	-	-	880
UTILITIES	LS	-	-	(490)
PAVING AND SITE IMPROVEMENT	LS	-	-	(390)
SUBTOTAL	-	-	-	3,630
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,810
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,040
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame and masonry building, concrete floors, pile foundation, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 30,200 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a weapons school. (Current mission.)

REQUIREMENT:

Adequate academic training facilities in a secure environment to accommodate the Navy Fighter Weapons School (NFWS), including spaces for administrative support. NFWS is the primary Navy and Marine Corps authority for tactical development in maritime air superiority and fighter employment in the power projection role.

CURRENT SITUATION:

The NFWS is currently training in space designed and utilized as a hangar. Noise abatement, security for maintenance of sensitive information, and an environment conducive to academic training and study are not available. Since its inception, NFWS has tried to accommodate all fleet squadrons in professionally training their aircrew at the graduate level. However, DOD-wide requests for quotas far exceed the number of course quotas available, with the limiting factor being existing space. As a result of inadequate academic space, less training can be conducted and the training quality suffers. Present and future demands and tasking necessitate ever-increasing workloads in aircrew training.

IMPACT IF NOT PROVIDED:

NFWS will continue to curtail the number of student candidates, and limit the scope of education offered in the missions assigned, and the nature and scope of classified material necessary for research and tactics development in primary mission areas. This would adversely affect the Navy's mission in support of maritime air superiority and fighter employment in the power projection role. Long range ramifications are

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, MIRAMAR, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
TOPGUN ACADEMIC FACILITY	P-346

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
reduced aircrew training, reduced numbers of aircrew trained, and reduced skills and capabilities to the battle group commander for fleet air defense and power projection.

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	03-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	70
(C)	DATE DESIGN 35% COMPLETE	07-89
(D)	DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	NA

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(220)
(B)	ALL OTHER DESIGN COSTS	(160)
(C)	TOTAL	380
(D)	CONTRACT	(360)
(E)	IN-HOUSE	(20)

(4) CONSTRUCTION START: 10-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, MIRAMAR, CALIFORNIA	WEAPONS SCHOOL ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.20	P-888	1,420

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SCHOOL ADDITION.	SF	5,000	150.00	750
SUPPORTING FACILITIES.	-	-	-	530
UTILITIES.	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(330)
SUBTOTAL	-	-	-	1,280
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,340
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,420
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, concrete foundation and floor, built-up roof over concrete decking; security vestibule, trainer and briefing spaces, classrooms; building alterations; modified Sensitive Compartmentalized Information Facility (SCIF) design, shielding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs addition to applied instruction building. (New mission.)
REQUIREMENT:
Adequate, secure, and properly-configured facility to accommodate and support special purpose training in new classified weapons system assigned to strike and fighter aircraft squadrons. Training is necessary to bring and maintain aircrews to a high-state of proficiency and readiness in preparation for deployment on-board aircraft carriers.
CURRENT SITUATION:
Adequate training space meeting modified SCIF criteria is not available.
IMPACT IF NOT PROVIDED:
Training in the new weapons system cannot occur at Miramar because adequate, limited access, controlled space will not exist.

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. 03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990. 80
(C) DATE DESIGN 35% COMPLETE 07-89

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, MIRAMAR, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS SCHOOL ADDITION	P-888

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 04-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(50)
(B)	ALL OTHER DESIGN COSTS	(40)
(C)	TOTAL	90
(D)	CONTRACT	(80)
(E)	IN-HOUSE	(10)

(4) CONSTRUCTION START. 01-91
(MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	CHIEF OF NAVAL OPERATIONS	1.25

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	171	298	1107	1737	0	0	0	0	0	3313
b. END FY 1995	183	276	1200	1736	0	0	0	0	0	3395

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(625)	
b. INVENTORY TOTAL AS OF 30 SEP 89		58,900
c. AUTHORIZATION NOT YET IN INVENTORY		21,830
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,810
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		15,090
f. PLANNED IN NEXT THREE PROGRAM YEARS		37,970
g. REMAINING DEFICIENCY		8,560
h. GRAND TOTAL		151,160

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.25	LECT HALL ADD&SEISMIC UPGR	LS		2,190	05/88	05/90
219.10	PUBLIC WORKS COMPLEX	35,950	SF	6,620	03/89	08/90
	TOTAL			8,810		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
724.11	BOQ SEISMIC UPGRADE	67,500	SF	2,000	-	-
171.20	ENGINEERING BUILDING	67,000	SF	12,000	-	-
843.10	FIRE PROTECTION SYSTEM	198,000	SF	1,090	-	-
	TOTAL			15,090		
B. MAJOR PLANNED NEXT THREE YEARS:						
724.12	BACHELOR OFFICER QTRS ADDN	93,000	SF	10,200		
610.10	SPANAGEL LEVEL 2	LS		3,700		

10. MISSION OR MAJOR FUNCTIONS:

Conduct and direct the advanced education of Naval officers and provide such other technical and professional instruction as may be prescribed to meet the needs of the Naval service; foster and encourage a program of research in order to sustain academic excellence.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	920
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	LECTURE HALL ADDITION AND SEISMIC UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.25	P-161	2,190

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LECTURE HALL ADDITION AND SEISMIC UPGRADE. . .	LS	-	-	1,970
BUILDING ADDITION.	SF	5,000	146.00	(730)
SEISMIC UPGRADE.	LS	-	-	(1,100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(140)
SUBTOTAL	-	-	-	1,970
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,070
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,190
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, concrete foundation and floor, built-up roof, seismic upgrade, fire protection system, ventilation system, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides additional 556 seating capacity in the lecture hall, and increases the building's resistance to seismic forces. (Current mission.)

REQUIREMENT:
Adequate facility to accommodate seating the student population in the lecture hall. Increase the strength of the building to resist seismic forces.

CURRENT SITUATION:
A seismic investigation by a structural engineering firm determined KING HALL was seismically unsafe. Additionally, the increased student body has exceeded the originally designed capacity of 1,170 students. These conditions allow less than two thirds of the students to attend a lecture at one time.

IMPACT IF NOT PROVIDED:
The building will remain deficient in its ability to resist seismic forces. If an earthquake above medium magnitude should occur near this installation the damage to the structure and injuries to the occupants would potentially be extensive. Attendance will continue to be limited in the lecture hall with at least one-third of the students unable to participate during important functions. Conducting the necessary academic chain of informational programs will continue to meet with serious instructional problems because of limited seating.

ADDITIONAL:
Campus space studies on present and future facilities requirements conclude a lecture hall auditorium space deficiency exists. A seismic vulnerability study of the building has been prepared with remedial

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
LECTURE HALL ADDITION AND SEISMIC UPGRADE	P-161

11. REQUIREMENT: (CONTINUED)
ADDITIONAL: (CONTINUED)
schemes to satisfy the deficiencies. Construction costs will be higher than the standard building design because of the seismic criteria requirement of zone 4, and adapting an existing building to new requirements.

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	05-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	45
(C)	DATE DESIGN 35% COMPLETE	10-89
(D)	DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(110)
(B)	ALL OTHER DESIGN COSTS	(100)
(C)	TOTAL	210
(D)	CONTRACT	(180)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	PUBLIC WORKS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	219.10	P-146	6,620

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS COMPLEX	SF	35,950	-	3,670
SHOPS	SF	28,400	97.00	(2,750)
ADMINISTRATIVE AREA	SF	3,000	129.00	(390)
AUTOMOTIVE VEHICLE SHOP	SF	4,550	117.00	(530)
SUPPORTING FACILITIES	-	-	-	2,280
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,040)
UTILITIES	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT	LS	-	-	(550)
DEMOLITION	LS	-	-	(90)
SUBTOTAL	-	-	-	5,950
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST	-	-	-	6,250
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	370
TOTAL REQUEST	-	-	-	6,620
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five one-story masonry buildings, concrete floors and spread foundations, built-up roofs on concrete over metal decking, engineered fill, fire protection systems, air conditioning, utilities, security fencing; demolition of one building.

11. REQUIREMENT: 45,550 SF ADEQUATE: 9,600 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a centrally located public works complex. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities to accommodate collocating all public works functions in a central complex. An integration of the electrical, plumbing, carpentry, painting, and gardening shops, with the administration office, maintenance storage, and operational spaces in the same complex would provide a more effective and efficient public works operation.

CURRENT SITUATION:
Many public works shops are located on the sites of planned academic expansion. Existing shops are of temporary construction and in need of replacement.

IMPACT IF NOT PROVIDED:
The public works facilities will not be available to support maintenance of the School's academic buildings and other functions.

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 03-89

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
PUBLIC WORKS COMPLEX	P-146

12. SUPPLEMENTAL DATA: (CONTINUED)

(B) PERCENT COMPLETE AS OF JANUARY 1990. 50
(C) DATE DESIGN 35% COMPLETE 08-89
(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (270)
(B) ALL OTHER DESIGN COSTS . . . . . (50)
(C) TOTAL. 320
(D) CONTRACT . . . . . (270)
(E) IN-HOUSE . . . . . (50)

(4) CONSTRUCTION START. 12-90
(MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA	COMMANDER IN CHIEF, PACIFIC FLEET	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1951	16710	6634	248	425	0	30	583	0	26581
b. END FY 1995	1951	14267	6634	229	710	0	30	582	0	24403

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(46,573)	
b. INVENTORY TOTAL AS OF 30 SEP 89		339,210
c. AUTHORIZATION NOT YET IN INVENTORY.		35,860
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,510
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,660
g. REMAINING DEFICIENCY.		114,850
h. GRAND TOTAL		497,090

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.22	HIGH EXPLOSIVE MAGAZINES	8,000	SF	1,510	11/88	09/89
	TOTAL			1,510		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

134.70	RATCF	9,900	SF	3,160
421.72	SEALANCE MAGAZINE	LS		2,500

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and material to support operations of aviation activities and units of the Pacific Fleet.

Three Helicopter Airlift Squadrons
Five Helicopter ASW Squadrons (SH-2,SH-60)
Five Carrier-Based ASW Squadrons (S-3)
Six Carrier-Based ASW Helicopter Squadrons (SH-3)
Naval Aviation Depot
Three Helicopter Training Squadrons
One Carrier On-Board Delivery Squadron
Three Reserve Squadrons
Submarine Development Group
Deep Submergence Vehicles
Commander Naval Air Forces, Pacific
Marine Barracks
One S-3 ASW Training Squadron

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

		($000)
A:	POLLUTION ABATEMENT	1,620
B:	INSTALLATION RESTORATION	8,170
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

FM87FIISMAY89

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA	HIGH EXPLOSIVE MAGAZINES

5. PROGRAM ELEMENT.	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	421.22	P-573	1,510

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HIGH EXPLOSIVE MAGAZINES	SF	8,000	154.00	1,230
SUPPORTING FACILITIES	-	-	-	120
UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,510
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four cast-in-place reinforced concrete-arch storage magazines, concrete floors and working aprons, utilities.

11. REQUIREMENT: 8,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides weapons storage magazines fronted by a concrete working apron. (Current mission.)

REQUIREMENT:

Adequate and properly-configured weapons storage magazines, concrete working apron, and supporting facilities for ready-issue of ordnance to ships at adjacent ordnance handling pier. NAS North Island is not only homeport to aviation units, it is also homeport to three aircraft carriers and two cruisers. Intermediate storage of a wide variety of bombs, projectiles and other ordnance for issue to Fleet units based in San Diego is an important function of the Air Station. This project is required to compensate for the downgrading of 14 magazines from an allowable capacity of 1,240,000 pounds net explosive weight (NEW) to 500,000 pounds NEW. They were downgraded because of their proximity to a new Tomahawk Missile Ordnance Facility. Each new magazine will store 30,000 pounds NEW of conventional weapons.

CURRENT SITUATION:

With the downgrading of 14 magazines and the addition of the Tomahawk Cruise missile to the Weapons Department inventory, there is a shortage of ready-issue ammunition magazines. The amount of explosives stored in any magazine is strictly controlled for safety reasons. Over-stocking of magazines is not an option.

IMPACT IF NOT PROVIDED:

The shortfall of short-term storage of ordnance will adversely affect timely weapons load-out to the homeported aircraft carriers and ships. Deployment schedules could be disrupted due to the need to delay shipment of ordnance from Naval Weapons Station depot storage.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
HIGH EXPLOSIVE MAGAZINES	P-573

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	11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	02-89
(D) DATE DESIGN COMPLETE	09-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	NA

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(50)
(B) ALL OTHER DESIGN COSTS	(70)
(C) TOTAL	120
(D) CONTRACT	(90)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA	NAVAL AIR SYSTEMS COMMAND	1.25

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	315	1761	4512	0	0	0	113	326	0	7027
b. END FY 1995	348	1761	4512	0	0	0	101	412	0	7134

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(27,093)	
b. INVENTORY TOTAL AS OF 30 SEP 89		204,810
c. AUTHORIZATION NOT YET IN INVENTORY		33,860
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,070
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		12,500
g. REMAINING DEFICIENCY		25,410
h. GRAND TOTAL		278,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	SECURTY IMPROVEMENTS	LS	2,070	06/88	07/90
	TOTAL		2,070		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

319.40	RANGE OPERATIONS CENTER	60,720	SF	11,600
421.72	MISSILE MAGAZINE	LS		900
421.72	MISSILE MAGAZINE	LS		900

10. MISSION OR MAJOR FUNCTIONS:

Perform development, test and evaluation, follow-on engineering, logistics and training for Naval weapons systems. Provide major range technical and base support for fleet users and other DOD and government agencies. Provide range, target and other support services for fleet training and fleet operational test and evaluation programs and projects.

VX-4 with 19 aircraft
NAS Point Mugu with 35 aircraft
VXE-6 with 13 aircraft
VFA-30S with 10 aircraft (Reserve)
VP-6S with 9 aircraft (Reserve)
Naval Air Reserve Unit with 9 aircraft
VAQ-34 with 12 aircraft
Range tracking facilities - San Nicholas Island
HAL-5 with 8 aircraft (Reserve)

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	2,110
B: INSTALLATION RESTORATION	4,470
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA	SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	872.10	P-063	2,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS	-	-	1,860
ALARM CONTROL CENTER	LS	-	-	(70)
FENCING	LF	19,700	24.00	(470)
LIGHTING	LS	-	-	(370)
ACCESS PAVILIONS AND GUARD HOUSE	LS	-	-	(100)
UTILITIES	LS	-	-	(850)
SUBTOTAL	-	-	-	1,860
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,950
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,070
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(6,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Security lighting, controlled access pavilions, chain link fencing, building modifications for alarm control center, 50 KW emergency generator, site preparation for security system, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides upgraded security at this aircraft and missile test and development activity with an "enclave" concept for protection around critical assets by restricting and controlling access. The concept is comprised of a sensored fence and buried line sensors to detect an attempted or actual intrusion. Lighted clear-zones will be watched using closed circuit television. Features to limit vehicle penetration will also be provided. (Current mission.)

REQUIREMENT:

Adequate physical security for critical test and development aircraft, missiles, equipment, facilities and personnel. Surveillance of these assets will provide protection and reduce pilferage at the activity and help promote the loss prevention program. Terrorism around the world is on the increase. Targets include US military installations, equipment and personnel. Experiences, such as destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military installations and airfields. Monitoring devices, alarms, lighting and a surveillance control center will greatly improve effectiveness of fencing and will protect valuable assets. Less visible but just as damaging is the threat of espionage of technologies and weapons development. After recent loss of submarine technologies through spies and technology transfers, the Navy has stepped-up its effort to protect important military developments. PMTC Point Mugu is the Navy's primary air-to-air missile test and development center. It also provides life-cycle software and update support to Navy and Air Force missiles in the inventory. PMTC projects involve missile testing, fire control, electronic warfare and countermeasures, electromagnetic reconnaissance

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
SECURITY IMPROVEMENTS	P-063

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

and search, special sensor studies, ocean surveillance, command and control and Naval Air Station operations with 138 aircraft attached. It is a very large installation encompassing 27,000 acres including ocean front and wetlands. It is an installation ideally suited to the "enclave" security concept because facilities are clustered in dry areas throughout the base. New missiles or existing missiles scheduled for extensive modifications are thoroughly tested prior to full scale production. Loss of hardware and computer software or the "eavesdrop" monitoring of tests through espionage would compromise the combat effectiveness of the aircraft, missiles and the subsystems. It would also make development of countermeasures by potential enemies much easier. Improved physical security measures is a proven method of greatly reducing the terrorist threat and the loss of technology and military secrets through espionage.

CURRENT SITUATION:

Like most military installations, Point Mugu's primary means of security protection is a perimeter fence and security patrols. In general, once inside the installation, a person has unchallenged access to most assets. Assets are left unattended in the dark or in poorly-lit areas. With these conditions, intruders could do considerable damage to Navy assets with little risk of being apprehended. Persons could enter unoccupied buildings and steal hardware or information. "Eavesdroppers" could set up monitoring stations on-base and receive test data through visual and electronic means. The proposed physical security improvements will provide an integrated security system completely encompassing critical assets, with the capability to deter or detect unauthorized intruders seeking entry into sensitive areas.

IMPACT IF NOT PROVIDED:

Access to the base is de facto access to sensitive and classified mission assets and information. Weapons systems, classified test and evaluation data and aviation assets will continue to be vulnerable to compromise or destruction. Loss of this data would enable hostile forces to nullify weapons designs prior to their initial operational capability and devise similar advanced weapons at a greatly reduced cost.

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	06-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	45
(C)	DATE DESIGN 35% COMPLETE	08-89
(D)	DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(100)
(B)	ALL OTHER DESIGN COSTS	(90)
(C)	TOTAL	190
(D)	CONTRACT	(70)
(E)	IN-HOUSE	(120)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
SECURITY IMPROVEMENTS	P-063

12. SUPPLEMENTAL DATA: (CONTINUED)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INTRUSION DETECTION SYSTEM, MONITORING EQUIPMENT, GATES, TURNSTILES, ELECTRICAL CABLES, ALARM CONTROL CENTER	RDT&E	1990	6,000
		TOTAL	6,000

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA	NAVAL FACILITIES ENGINEERING COMMAND	1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	231	3179	2096	78	697	0	6	306	0	6593
b. END FY 1995	267	3305	2096	78	697	0	5	305	0	6753

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,616)	
b. INVENTORY TOTAL AS OF 30 SEP 89		133,400
c. AUTHORIZATION NOT YET IN INVENTORY		38,120
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,010
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		21,730
f. PLANNED IN NEXT THREE PROGRAM YEARS		54,425
g. REMAINING DEFICIENCY		3,800
h. GRAND TOTAL		253,485

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.12	ELECTRICAL DIST SYS IMPR	LS	2,010	03/88	01/90
	TOTAL		2,010		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

721.11	BACHELOR ENLISTED QUARTERS	LS	4,930	-	-
740.74	CHILD DEV CTR ADDITION	15,000 SF	1,700	-	-
740.43	GYMNASIUM	33,600 SF	4,100	-	-
219.10	PUBLIC WORKS SHOP COMPLEX	LS	5,000	-	-
143.41	UC-2 OPS FACILITY	LS	6,000	-	-
	TOTAL		21,730		

10. MISSION OR MAJOR FUNCTIONS:

Support the Naval Construction Force, fleet units and assigned organizational units deployed from, or homeported at the center; support mobilization requirements of the Naval Construction Force; store, preserve, and ship advanced base and mobilization stocks.

Naval construction Regiment
Four Naval Mobile Construction Battalions
Naval Ship Weapon Systems Engineering Station
Naval Construction Training Center
Naval Civil Engineering Laboratory

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	920
B:	INSTALLATION RESTORATION	46,170
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	5,620

FMBPP1S1MAY89

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	812.12	P-474	2,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT	LS	-	-	1,810
SUBSTATIONS	LS	-	-	(940)
SUBSTATION MODIFICATIONS	LS	-	-	(440)
12 KV FEEDER LINE	LS	-	-	(170)
SOUTHERN CALIFORNIA EDISON EQUIP & LINES	LS	-	-	(260)
SUBTOTAL	-	-	-	1,810
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,900
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide 66 KV/12 KV 20,000 KVA electrical service from Southern California Edison; two substations, switchgear, modify substation, connecting and feeder lines between transformers and switchgear equipment.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides electrical service from Southern California Edison to serve current and future electric power demand. (Current mission.)

REQUIREMENT:

Adequate electric power service to accommodate demands of users including Naval Construction Battalion Center (NCBC) activities, family housing, tenant activities, and leasing facilities. A 20,000 KVA electric power service is vital to meet the NCBC base mission. The increase in electric power results from an increase in operations, and completion of construction projects to come on line at NCBC.

CURRENT SITUATION:

The existing electric power service capacity is limited to 7,500 KVA continuous and 10,000 KVA peak. The continuous electrical load during office hours in 1986 was 8,000 KVA with peak to 8,700 KVA, which are very close to the NCBC capacity. It is anticipated the existing substation will reach its maximum service capability in 1990.

IMPACT IF NOT PROVIDED:

NCBC mission accomplishment will severely deteriorate. Limited to no operations growth potential, administrative and data processing will be hampered because of brown-outs, and an adverse effect on morale and productivity.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT	P-474

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	03-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	01-89
(D) DATE DESIGN COMPLETE	01-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(95)
(B) ALL OTHER DESIGN COSTS	(50)
(C) TOTAL	145
(D) CONTRACT	(130)
(E) IN-HOUSE	(15)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SHIP WEAPON SYSTEMS ENGINEERING STA, PORT HUENEME, CALIFORNIA	NAVAL SEA SYSTEMS COMMAND	1.18

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	17	57	2104	0	0	0	0	0	0	2178
b. END FY 1995	20	87	2104	0	0	0	0	0	0	2211

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NCBC	
b. INVENTORY TOTAL AS OF 30 SEP 89		20,650
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		14,690
h. GRAND TOTAL		45,490

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
315.30	WPN SYS INTEGRATION LAB	107,370	SF	10,150	12/85	10/90
	TOTAL			10,150		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provides in-service engineering, test, evaluation, and program management for the following weapon systems and components: HARPOON, STANDARD missile, tomahawk, Basic Point Defense, AEGIS, NATO SEASPARROW, Target Acquisition System, AN/SPS-65 Radar, MK 92 Fire Control, and MK 86 Gun Fire Control System.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SHIP WEAPON SYSTEMS ENGINEERING STA, PORT HUENEME, CALIFORNIA	WEAPON SYSTEMS INTEGRATION LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	315.30	P-012	10,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPON SYSTEMS INTEGRATION LABORATORY	SF	107,370	-	8,170
BUILDING	SF	107,370	64.00	(6,870)
BUILT-IN EQUIPMENT	LS	-	-	(1,300)
SUPPORTING FACILITIES	-	-	-	940
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(180)
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT	LS	-	-	(270)
DEMOLITION	LS	-	-	(230)
SUBTOTAL	-	-	-	9,110
CONTINGENCY (5%)	-	-	-	460
TOTAL CONTRACT COST	-	-	-	9,570
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	580
TOTAL REQUEST	-	-	-	10,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building, concrete foundation and floors, built-up roof, engineered fill, elevators, computer flooring, ventilation, air conditioning, fire protection system, utilities; demolition of six buildings.

11. REQUIREMENT: 282,370 SF ADEQUATE: 175,000 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs laboratory space and ancillary facilities for weapon systems in-service engineering, automatic data processing, logistics, personnel and equipment. (Current mission.)

REQUIREMENT:

Adequate specially-configured facility for performance of reliability, maintainability and accountability, computer program support, maintenance engineering, and integrated logistics support for such weapon systems as MK-86 gun fire control system, TERRIER, BASIC POINT DEFENSE, and NATO SEASPARROW. Space is necessary for total in-service engineering for the MK-86 and TERRIER weapon systems, including redesign and laboratory functions. The need for in-service engineering and other logistics support for these operational weapons systems is increasing in direct proportion to the growing number of ships employing them. While comprehensive R&D facilities are not necessary, adequate laboratory space is required to correct and resolve performance and reliability deficiencies. As changes are proposed, testing and check-out of the weapon system and combat system interfaces must be performed. These functions require spaces for engineers and technicians to perform test and check-out functions, fault analysis functions, bread-board development efforts and instrumentation design.

CURRENT SITUATION:

Most facilities at the activity are inadequate, having reached a state of deterioration beyond economical repair. Many of the on-station facilities are trailer-like temporary structures and many are semi-permanent structures. Nineteen percent of the workforce occupies

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SHIP WEAPON SYSTEMS ENGINEERING STA, PORT HUENEME, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
WEAPON SYSTEMS INTEGRATION LABORATORY	P-012

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
leased space off base because of the space shortage. Retention of the mostly young staff of highly trained engineers and technicians is impossible because they must work in inadequate semi-permanent buildings, trailers and leased commercial facilities miles away. Day-to-day maintenance is consuming an increasingly larger part of the operating budget. Security is a critical problem in that most sensitive weapon systems' materials must be transported off-base through the surrounding community. A Navy Environmental and Preventive Medicine Unit report on these facilities was highly critical of sanitation, ventilation, and the crowded conditions.

IMPACT IF NOT PROVIDED:
Inadequate assets will be physically incapable of supporting an increasing workload. The continued dispersion of facilities will dissipate in-service engineering and logistics support productivity. Retention of trained and qualified staff will be a continuing problem.

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	12-85
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(520)
(B) ALL OTHER DESIGN COSTS	(280)
(C) TOTAL	800
(D) CONTRACT	(715)
(E) IN-HOUSE	(85)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET ANTISUB WARFARE TRAINING CENTER PAC, SAN DIEGO, CALIFORNIA	CHIEF OF NAVAL EDUCATION AND TRAINING	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	127	1081	83	73	2042	0	0	467	0	3873
b. END FY 1995	127	1095	83	83	2100	0	0	467	0	3955

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(37)	
b. INVENTORY TOTAL AS OF 30 SEP 89		40,930
c. AUTHORIZATION NOT YET IN INVENTORY		5,840
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,450
g. REMAINING DEFICIENCY		12,840
h. GRAND TOTAL		70,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	74,780	SF	8,950	10/86	08/89
	TOTAL			8,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

155.20	SMALL CRAFT BERTHING	1,580	FB	1,450

10. MISSION OR MAJOR FUNCTIONS:
Train personnel in the technical aspects of anti-submarine warfare, the operational and tactical use of sonar and anti-submarine warfare weapons and their applied equipments, and in the operations and maintenance of equipment and weapons.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	140
B:	INSTALLATION RESTORATION	30
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET ANTISUB WARFARE TRAINING CENTER PAC, SAN DIEGO, CALIFORNIA	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	721.11	P-231	8,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	74,780	85.00	6,360
SUPPORTING FACILITIES	-	-	-	1,680
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(800)
UTILITIES	LS	-	-	(650)
PAVING AND SITE IMPROVEMENT	LS	-	-	(230)
SUBTOTAL	-	-	-	8,040
CONTINGENCY (5%)	-	-	-	400
TOTAL CONTRACT COST	-	-	-	8,440
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	510
TOTAL REQUEST	-	-	-	8,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete and masonry building, pile foundation, concrete floors, built-up roof, fire protection system, ventilation, utilities; 96 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of one building. Grade mix: 236 E1-E4, 74 E5-E6. Total: 310.

11. REQUIREMENT: 2,170 PN ADEQUATE: 827 PN SUBSTANDARD: 0 PN

PROJECT:
Provides adequate billeting for 310 enlisted personnel. (Current mission.)

REQUIREMENT:
Adequate housing for 2,170 enlisted personnel either assigned to the station as permanent support, instructors, or to tenant activities.

CURRENT SITUATION:
Existing adequate berthing capacity of 827 spaces, including 539 adequate spaces and accommodations found by 288 personnel in the local community, is insufficient, resulting in overcrowding. A new construction deficiency of 1,343 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 currently unprogrammed. All projected space requirements are revalidated annually by a new survey which updates planning projections.

IMPACT IF NOT PROVIDED:
Adequate living quarters for all bachelor enlisted personnel will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET ANTISUB WARFARE TRAINING CENTER PAC, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-231

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	10-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	11-87
(D) DATE DESIGN COMPLETE	08-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B) ALL OTHER DESIGN COSTS	(230)
(C) TOTAL	530
(D) CONTRACT	(490)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	69	247	3377	0	0	0	0	0	0	3693
b. END FY 1995	66	273	3377	0	0	0	0	0	0	3716

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,318)	
b. INVENTORY TOTAL AS OF 30 SEP 89		71,170
c. AUTHORIZATION NOT YET IN INVENTORY		9,960
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		11,760
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		2,800
h. GRAND TOTAL		101,290

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.23	COMBINED RESEARCH LAB	80,000	SF	11,760	02/89	05/90
	TOTAL			11,760		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

315.20	ANTI-SUB WARFARE SYS LAB	36,000	SF	5,600	-	-
	TOTAL			5,600		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
The Naval Ocean Systems Center is the principal Navy RDT&E Center for Command control, communications, ocean surveillance, surface and air launched undersea weapon systems, submarine artic warfare, and supporting technologies.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	110
B: INSTALLATION RESTORATION	3,520
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA	COMBINED RESEARCH LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	310.23	P-095	11,760

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBINED RESEARCH LABORATORY	SF	80,000	117.00	9,360
SUPPORTING FACILITIES	-	-	-	1,200
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(90)
ELECTRICAL UTILITIES	LS	-	-	(530)
MECHANICAL UTILITIES	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	10,560
CONTINGENCY (5%)	-	-	-	530
TOTAL CONTRACT COST	-	-	-	11,090
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	670
TOTAL REQUEST	-	-	-	11,760
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, concrete foundation, floor, walls, and roof, engineered fill, utilities, fire protection system, air conditioning.

11. REQUIREMENT: 372,630 SF ADEQUATE: 292,630 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs secure integrated multi-use research, development, test and evaluation (RDT&E) facility for development of compartmented hardware programs with product assurance, environmental T&E, and product engineering functions collocated, including the exploitation of foreign materials; provides facilities for exploratory and advanced development of unmanned prototype autonomous undersea vehicles. (Current mission.)

REQUIREMENT:

Adequate and properly-configured secure laboratory spaces for compartmented programs and the exploitation of acquired foreign materials. Compartmented work will be performed in several of the center's mission areas including Command, Control, Communications (C3), Surveillance, ASW, Deep Ocean Engineering, and Intelligence. Basic engineering disciplines of product assurance, environmental T&E, and product engineering are required and will be collocated in this facility to provide these services to the classified hardware programs in an efficient manner before acquisition and introduction into fleet systems. The fundamental purpose is to provide solutions to Naval and Joint Services problems through the generation and application of technology, intelligence related work, foreign material exploitation, and development of prototype equipment in a secure environment. In the Ocean Engineering area, physically and visually secure space is needed to develop the unmanned prototype autonomous undersea vehicles for future ASW Special Projects.

CURRENT SITUATION:

A large percentage of this center's work is in highly classified compartmented programs that are critical to the collection and

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMBINED RESEARCH LABORATORY	P-095

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
exploitation of intelligence. NOSC is pre-eminent in intelligence-related RDT&E activities for the Navy and the intelligence community. NOSC is performing intelligence-related work in each area of their expertise including C3, ocean surveillance, ocean technology, marine science, and electronics technology which is 18 percent of their program dollars today and will increase to 27 percent by 1993. Secure laboratory facilities to perform the compartmented programs workload assigned this center do not exist. The existing facilities are inadequate, out-dated, technically and functionally very limited and non-existent for many functions. These facilities are scattered throughout the activity, resulting in economic manhours lost because of excessive transportation of equipment. These facilities are aged, generally designed for other uses, and have inherent technical environmental limitations. The development of facilities has not kept pace with the increasing funding levels associated with compartmented programs. In an interim measure, as programs are taken on, old and marginally adequate structures must be modified and refurbished at high cost to the specific project involved. The resultant risk of security compromise has become high.

IMPACT IF NOT PROVIDED:
Added, unnecessary costs, and major delays to the initial operating capability for compartmented programs will result. The thrust in RDT&E for autonomous undersea surveillance devices as a key element to the ASW mission will be greatly impeded and very possibly not attainable. The timely execution of expanding classified programs will not be achieved.

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	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(550)
(B) ALL OTHER DESIGN COSTS	(210)
(C) TOTAL	760
(D) CONTRACT	(700)
(E) IN-HOUSE	(60)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA	COMMANDER IN CHIEF, PACIFIC FLEET	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	444	5444	69	38	96	0	8	42	0	6141
b. END FY 1995	429	5665	109	23	81	0	8	42	0	6357

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(314)	
b. INVENTORY TOTAL AS OF 30 SEP 89		69,660
c. AUTHORIZATION NOT YET IN INVENTORY		41,290
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		540
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		20,120
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,660
g. REMAINING DEFICIENCY		36,920
h. GRAND TOTAL		174,190

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
832.40	OILY WASTE SYSTEM	LS	540	09/88	04/90
	TOTAL		540		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

721.12	BACHELOR ENLISTED QUARTERS	114,770 SF	13,920	05/87	06/90
740.74	CHILD DEVELOPMENT CENTER	LS	3,700	-	-
812.30	POWER UPGRADE PIER	LS	2,500	-	-
	TOTAL		20,120		

B. MAJOR PLANNED NEXT THREE YEARS:

730.20	POLICE STATION	10,000 SF	2,030
179.40	SMALL ARMS RANGE	LS	630

10. MISSION OR MAJOR FUNCTIONS:

Serves as homeport for operations attack submarines of the Pacific Fleet, providing refit, maintenance, replenishment, training and ordnance support.

Two Submarine Tenders — Commander, Submarine Group Five
Two Submarine Squadrons — Commander, Submarine Development Group One

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

		($000)
A:	POLLUTION ABATEMENT	110
B:	INSTALLATION RESTORATION	8,900
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA	NAVAL SUPPLY SYSTEMS COMMAND	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	24	4	1385	0	0	0	51	217	0	1681
b. END FY 1995	26	4	1385	0	0	0	45	270	0	1730

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(849)	
b. INVENTORY TOTAL AS OF 30 SEP 89		77,690
c. AUTHORIZATION NOT YET IN INVENTORY.		13,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,500
g. REMAINING DEFICIENCY.		2,600
h. GRAND TOTAL		111,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
431.10	COLD STORAGE WAREHOUSE	34,800	SF	8,800	05/89	08/90
	TOTAL			8,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
441.10	GENERAL WAREHOUSE	98,160	SF	6,200	-	-
	TOTAL			6,200		
B. MAJOR PLANNED NEXT THREE YEARS:						
441.10	GENERAL WAREHOUSE NAVY	LS		3,500		

10. MISSION OR MAJOR FUNCTIONS:

Provides supply and support services to Navy and Marine Corps activities, active and reserve fleet units, and the Military Sealift Command. Performs Defense Supply Agency functions for overseas and CONUS fleet units and the Coast Guard. A marine terminal is operated and maintained for transshipment of Department of Defense ocean cargo. The center operates a petroleum laboratory and maintains and operates storage facilities and a connecting pipeline for bulk fuel in the San Pedro area, NAS Lemoore, and at Point Loma.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	410
B: INSTALLATION RESTORATION	13,900
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	2,200

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA	COLD STORAGE WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	431.10	P-086	8,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COLD STORAGE WAREHOUSE	LS	-	-	7,030
CHILL/FREEZE STORAGE	CF	370,000	16.00	(5,920)
BUILT-IN EQUIPMENT	LS	-	-	(1,050)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	-	-	-	870
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(390)
UTILITIES	LS	-	-	(320)
PAVING AND SITE IMPROVEMENT	LS	-	-	(160)
SUBTOTAL	-	-	-	7,900
CONTINGENCY (5%)	-	-	-	400
TOTAL CONTRACT COST	-	-	-	8,300
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	500
TOTAL REQUEST	-	-	-	8,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

High-bay steel frame building, pile foundation, concrete floor, masonry walls, built-up roof, central refrigeration system, air conditioning system, emergency electric power system, fire protection system, utilities; material handling, storage and retrieval system.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs a cold storage warehouse. (Current mission.)

REQUIREMENT:

An adequate and energy efficient cold storage warehouse for frozen and chilled food products that are issued to fleet units and shore stations in the San Diego area. A facility with 370,000 cubic-feet of storage is equivalent to a building of 92,500 square-feet in size with a stacking height of 8.50 - feet.

CURRENT SITUATION:

The existing cold storage warehouse is a converted general warehouse constructed in 1954 and not designed to house frozen and chilled foods. It is only large enough to store a 23-day stock level instead of the required 45-day supply. As a result of moisture infiltration into the insulation, the ceiling collapsed in 1978 requiring extensive and costly repairs. There is evidence that additional repairs will be necessary in the near future. This storage location is six miles from the primary fleet customers at the Naval Station, resulting in inefficient and costly operations. Also, the existing warehouse is located on a site required for construction of a high-rise, multiple use office building as part of the Navy's Broadway Redevelopment Project.

IMPACT IF NOT PROVIDED:

Because there is no cold storage facility available in San Diego, it will be necessary for the Navy to lease space in Los Angeles, 100 miles away. Solicitation for leased space in San Diego expired without any bidder response. A portion of the Navy's Broadway Redevelopment Project for San Diego will be delayed until the cold storage function can be relocated

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
COLD STORAGE WAREHOUSE	P-086

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
from the Broadway Compound.

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	05-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	40
(C)	DATE DESIGN 35% COMPLETE	09-89
(D)	DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___NO_X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(355)
(B)	ALL OTHER DESIGN COSTS	(270)
(C)	TOTAL	625
(D)	CONTRACT	(595)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	CHIEF OF NAVAL EDUCATION AND TRAINING	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	225	1990	480	49	11575	0	0	252	0	14571
b. END FY 1995	208	2019	480	57	12092	0	0	254	0	15110

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(546)	
b. INVENTORY TOTAL AS OF 30 SEP 89		79,980
c. AUTHORIZATION NOT YET IN INVENTORY		25,050
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		15,229
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		22,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		21,391
g. REMAINING DEFICIENCY		20,820
h. GRAND TOTAL		185,370

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.14	BARRACKS	44,720	SF	5,630	01/89	02/90
730.83	RECRUIT SPT CTRAND CHAPEL	33,290	SF	5,779	03/86	09/90
171.50	SMALL ARMS RANGE	26,500	SF	3,820	12/88	04/90
	TOTAL			15,229		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
721.15	RECRUIT BARRACKS	97,480	SF	14,200	-	-
171.20	WELDER TRAINING FACILITY	62,088	SF	8,700	-	-
	TOTAL			22,900		
B. MAJOR PLANNED NEXT THREE YEARS:						
843.10	FIRE PROTECTION SYS	LS		560		
171.20	RECRUIT TRAINING POOL	28,700	SF	5,500		
721.15	SEQ RESTORATION	LS		4,010		

10. MISSION OR MAJOR FUNCTIONS:

Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel of the regular Navy and the Naval Reserve.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	270
B: INSTALLATION RESTORATION	5,130
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	BARRACKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	721.14	P-191	5,630

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	44,720	-	4,210
BERTHING SPACE	SF	41,580	92.00	(3,830)
SUPPORT SPACE	SF	3,140	120.00	(380)
SUPPORTING FACILITIES	-	-	-	850
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(400)
ELECTRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(290)
SUBTOTAL	-	-	-	5,060
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST	-	-	-	5,310
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	320
TOTAL REQUEST	-	-	-	5,630
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story core building with spread footing foundation, two three-story dormitory buildings with pile foundations, concrete floors and roofs, masonry walls, reinforced concrete frames, mission clay roofing tile, fire protection system, mechanical ventilation, utilities; semi-open-bay living compartments concept.
Grade Mix: 360 E1-E4. Total: 360.

11. REQUIREMENT: 3,392 PN ADEQUATE: 2,792 PN SUBSTANDARD: 0 PN

PROJECT:
Provides adequate billeting for 360 enlisted students assigned to Navy basic "A" schools. (Current mission.)

REQUIREMENT:
Adequate housing for 3,392 "A" school students who are either undergoing basic skill training after completion of recruit training or are upgrading basic skill training requirements.

CURRENT SITUATION:
Berthing capacity of 2,792 spaces exists on base. A new construction deficiency of 600 adequate billeting spaces exists for "A" school students. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently proposed for Fiscal Year 1992. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED:
Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy to the detriment of morale, training, and career retention efforts.

ADDITIONAL:
"A" school students are not eligible for civilian community housing.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BARRACKS	P-191

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	01-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	05-89
(D) DATE DESIGN COMPLETE	02-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(150)
(B) ALL OTHER DESIGN COSTS	(120)
(C) TOTAL	270
(D) CONTRACT	(225)
(E) IN-HOUSE	(45)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	RECRUIT SUPPORT CENTER AND CHAPEL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	730.83	P-331	5,779

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RECRUIT SUPPORT CENTER AND CHAPEL	SF	33,290	103.00	3,430
SUPPORTING FACILITIES	-	-	-	1,770
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(560)
ELECTRICAL UTILITIES	LS	-	-	(350)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(610)
DEMOLITION	LS	-	-	(100)
SUBTOTAL	-	-	-	5,200
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST	-	-	-	5,460
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	319
TOTAL REQUEST	-	-	-	5,779
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete foundation and floor, engineered fill, sound-proof interior walls, built-up roof over rigid insulation on steel deck, fire protection system, ventilation, utilities; parking; demolition of four buildings.

11. REQUIREMENT: 33,290 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a recruit support center with chapel. (Current mission.)

REQUIREMENT:
A Recruit Support Center to adequately accommodate, support and host receptions for graduating recruits and their families. Additionally, the Navy considers providing exposure to a religious setting is an important quality-of-life factor in the military life of its personnel in the stressful, insular environment of a Recruit Training Activity. This activity is the only recruit training center among all the Services without a chapel. From the total base population of approximately 7,000 recruits, between 4,000 and 5,000 recruits each weekend are involved in religious programs. Churches and synagogues of the San Diego area are unavailable to recruits because recruit training schedule-time constraints and training requirements prohibit recruits from leaving the command. Further, transportation of between 4,000 and 5,000 recruits to civilian churches and synagogues is impractical. With regards to costs, the construction of a chapel with support facilities as a single facility is more efficient and economical than if separate facilities were constructed. Improved quality of life is one of the Secretary of the Navy's and the Secretary of Defense's common priority goals. A facility that will offer the versatility and spatial requirements for all necessary functions of a multi-faith chapel and the various community activity organizations will assist greatly to encourage religious participation of the recruits, on base personnel, and their dependents.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
RECRUIT SUPPORT CENTER AND CHAPEL	P-331

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION:

Presently, the worship services of the various religious groups are being accommodated in a number of dispersed facilities. These facilities were constructed in 1942 and have outlived the life expectancy. Currently the receptions for graduating recruits and their families are being held in an assembly room within the Recruit Training Command Headquarters. The existing facility is too small to house the number of families who wish to attend the recruits' graduation ceremony. The community activity organizations are housed in inadequate facilities which are not conveniently located and do not function well. The inferiorities of existing facilities are the result of their inefficient design layout for the current use.

IMPACT IF NOT PROVIDED:

Religious worship, instruction and various community activity functions will continue to be supported by several unsatisfactory structures. The recruits will continue to perceive that their spiritual needs are insignificant in Navy life, thus presenting a negative public image.

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	03-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	09-86
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(250)
(B) ALL OTHER DESIGN COSTS	(150)
(C) TOTAL	400
(D) CONTRACT	(50)
(E) IN-HOUSE	(350)

(4) CONSTRUCTION START: 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA	SMALL ARMS RANGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.50	P-347	3,820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SMALL ARMS RANGE	SF	26,500	-	2,390
INDOOR ARMS RANGE	SF	15,200	69.00	(1,050)
ARMORY	SF	4,100	122.00	(500)
INSTRUCTION AND ADMINISTRATION	SF	7,200	116.00	(840)
SUPPORTING FACILITIES	-	-	-	1,040
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT	LS	-	-	(420)
SUBTOTAL	-	-	-	3,430
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,600
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	220
TOTAL REQUEST	-	-	-	3,820
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roofing over concrete filled metal decking, fire protection systems, utilities, special range ventilation, target retrieval and bullet trap system, accoustical system; perimeter patrol road, security lighting.

11. REQUIREMENT: 26,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides an indoor small arms range. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities to support accurate hands-on training in the use of small arms and to house classrooms and instructional devices. Facilities must be designed and sited for efficient operation at a location near the Recruit Training Command and beyond the boundaries of the airfield flight zone.

CURRENT SITUATION:
Facilities presently housing the small arms range, weapons and ammunition storage, and related support activities are located under the flight path of Lindbergh Field, a busy municipal airport. The location of this range, ammunition, and explosives in an airfield flight zone is in violation of regulations. The location is distant from the Recruit Training Command requiring recruits to march more than a mile each way to receive small arms training. Theoretical instruction is currently given at the firing range, using bleachers set-up in the center of the range area. Armory and magazines used twice daily are remotely located from the range. Sanitary waste facilities are undersized for the volume of use. Existing buildings are approximately 60 years old and in constant need of repair and upgrading.

IMPACT IF NOT PROVIDED:
The current marginal safety level resulting from violations of Naval and FAA regulations will continue. Excessive recruit travel time, and inappropriate size, configuration and condition of existing instructional

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
SMALL ARMS RANGE	P-347

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
facilities will continue to impede the effectiveness of recruit training.

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	12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	85
(C) DATE DESIGN 35% COMPLETE	05-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(190)
(B) ALL OTHER DESIGN COSTS	(140)
(C) TOTAL	330
(D) CONTRACT	(310)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA	NAVAL FACILITIES ENGINEERING COMMAND	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	13	6	2320	0	0	0	0	0	0	2339
b. END FY 1995	13	3	2320	0	0	0	0	0	0	2336

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,189)	
b. INVENTORY TOTAL AS OF 30 SEP 89		350,810
c. AUTHORIZATION NOT YET IN INVENTORY		24,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,320
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		21,800
f. PLANNED IN NEXT THREE PROGRAM YEARS		18,900
g. REMAINING DEFICIENCY		790
h. GRAND TOTAL		419,870

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
822.12	STEAM DISTR SYS IMPROVS	LS	3,320	09/88	03/90
	TOTAL		3,320		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
214.20	AUTO VEH MAINT/HOLD SHED	54,280 SF	6,900	-	-
812.30	ELEC DISTRIBUTION SYSTEM	LS	14,900	-	-
	TOTAL		21,800		
B. MAJOR PLANNED NEXT THREE YEARS:					
812.30	ELECTR DISTR SYSTEM IMPVS	LS	15,200		
441.30	HAZ/FLAMMABLE WAREHOUSE	9,650 SF	1,950		
831.41	HAZARDOUS WASTE FACILITY	LS	1,750		

10. MISSION OR MAJOR FUNCTIONS:

Provide public works, utilities, housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, shore activities and other commands served by the public works center.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	5,140
B: INSTALLATION RESTORATION	350
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA	STEAM DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	822.12	P-149	3,320

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STEAM DISTRIBUTION SYSTEM IMPROVEMENTS	LS	-	-	2,980
SUBTOTAL	-	-	-	2,980
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,130
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	190
TOTAL REQUEST.	-	-	-	3,320
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install welded-steel steam line with insulation, direct burial with expansion loops, manholes, steam traps, and valves.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Expands steam distribution system to the south portion of Naval Station, San Diego. (Current mission.)

REQUIREMENT:
Adequate "cold-iron" steam service for berthing ships at Naval Station piers 10, 11 and 12, and to provide steam to proposed berthing and repair piers.

CURRENT SITUATION:
The steam line currently serving the southern section of the Naval Station is too small to adequately supply required pressure and quantities of steam to support "cold-iron" berthing of ships. The 6-inch line provides only enough steam for ships in the floating drydock.

IMPACT IF NOT PROVIDED:
Either Mobile Utility Support Equipment (MUSE) will need to be used to support "cold-iron" berthing or ships will have to operate on-board steam generation equipment. MUSE is designed for temporary use only and is not a long term solution to the steam system deficiency. Using on-board steam generation equipment requires ships be operationally manned while in port, contrary to Navy policy. Neither MUSE nor on-board steam generation is cost-effective.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
STEAM DISTRIBUTION SYSTEM IMPROVEMENTS	P-149

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	09-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	05-89
(D) DATE DESIGN COMPLETE	03-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES___NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(100)
(B) ALL OTHER DESIGN COSTS	(90)
(C) TOTAL	190
(D) CONTRACT	(150)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA	NAVAL SECURITY GROUP COMMAND	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	14	244	46	0	15	0	0	0	0	319
b. END FY 1995	16	267	49	0	76	0	0	0	0	408

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,309)	
b. INVENTORY TOTAL AS OF 30 SEP 89		12,730
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,472
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		16,550
h. **GRAND TOTAL**		30,752

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841.50	POTABLE WATER SYSTEM	LS	1,472	05/89	11/89
	TOTAL		1,472		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Station is part of the worldwide telecommunications system, providing tactical ship-to-shore and point-to-point communications for the Navy Defense Communications System and Naval Security Group operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	10
B:	INSTALLATION RESTORATION	30
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA	POTABLE WATER SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
N F I P 0305896N	841.50	P-073	1,472

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER SYSTEM	LS	-	-	1,020
WELL	LS	-	-	(230)
PIPELINE	LS	-	-	(630)
WATER TREATMENT AND DETECTION SYSTEMS	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	300
UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	1,320
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,390
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	82
TOTAL REQUEST	-	-	-	1,472
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Water well; six-inch pipeline; pumping station; water treatment system; emergency electric power; intrusion and chlorination detection system.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides a 200 GPM potable water well with submersible pump, valving, treatment facilities, and piping. (Current mission)

REQUIREMENT:
A dependable high quality potable water supply to accommodate the domestic water needs of 280 military personnel, 180 dependents, and 47 civilian personnel working at the activity. Provide adequate cooling and fire protection water with required pressure.

CURRENT SITUATION:
Potable water is currently provided by wells on Skaggs Island. The only reliable source of acceptable quality water to meet minimum demand is one well. Other wells either do not meet water quality standards or cannot maintain sufficient capacity because of drawdown. Water wells currently can meet only minimum domestic demand without breakdown or unforeseen needs such as a fire protection requirement.

IMPACT IF NOT PROVIDED:
Failure or degradation of the one well would necessitate restricting operations because cooling water or fire protection water may not be available. A loss of potable water would pose unacceptable health and safety risks to personnel and could result in an evacuation of government quarters.

ADDITIONAL:
An economic analysis has been prepared. Completion of exploration by test wells indicates a well located on station will meet the requirement to provide a sufficient and dependable quantity of potable water meeting water quality standards.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
POTABLE WATER SYSTEM	P-073

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	11-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(80)
(B) ALL OTHER DESIGN COSTS	(10)
(C) TOTAL	90
(D) CONTRACT	(70)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START: 10-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	COMMANDANT OF THE MARINE CORPS	1.32

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	202	1105	643	21	2039	0	253	4078	724	9065
b. END FY 1995	240	1298	591	30	2495	0	637	8435	880	14606

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(595,589)	
b. INVENTORY TOTAL AS OF 30 SEP 89		265,740
c. AUTHORIZATION NOT YET IN INVENTORY		103,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,820
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		53,590
g. REMAINING DEFICIENCY		57,650
h. **GRAND TOTAL**		492,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214.53	FIELD MAINTENAMCE SHOP	4,730	SF	3,620	01/89	06/90
214.55	INDUST WSTWTR TRTMNT FACS	LS		2,600	02/89	05/90
841.40	POTABLE WATER STORAGE TANK	4,500,000	GA	4,600	03/89	07/90
	TOTAL			10,820		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

143.45	ARMORY	20,630	SF	1,600	-	-
	TOTAL			1,600		

B. MAJOR PLANNED NEXT THREE YEARS:

740.74	CHILD DEVELOPMENT CENTER	25,550	SF	4,200
111.10	CONCRETE RUNWAY	218,110	SY	39,000
730.10	MIL POLICE/FIRE STATIONS	19,320	SF	3,170
831.10	NON-POTABLE WATER SYSTEM	760,000	GA	3,375

10. MISSION OR MAJOR FUNCTIONS:

Provide housing, training facilities, logistical, and administrative support for Fleet Marine Force units and other units assigned. Operate the Communication-Electronics School, and administer and conduct the air-ground training program for combined training of Fleet Marine Force units, both active and reserve.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	600
B:	INSTALLATION RESTORATION	7,340
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	FIELD MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	214.53	P-428	3,620

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIELD MAINTENANCE SHOP	SF	4,730	-	2,790
BUILDING	SF	4,730	141.00	(670)
BUILT-IN EQUIPMENT	LS	-	-	(2,120)
SUPPORTING FACILITIES	-	-	-	460
ELECTRICAL UTILITIES	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL	-	-	-	3,250
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,410
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	210
TOTAL REQUEST	-	-	-	3,620
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, tilt-up reinforced concrete wall panels, steel roof framing, rigid insulation, built-up roof, overhead bridge crane, fire protection system, ventilation and air conditioning, security lighting, fuel storage tanks, utilities.

11. REQUIREMENT: 73,160 SF ADEQUATE: 68,430 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs a maintenance shop building and supporting facilities for fourth echelon repair of tactical equipment stationed at the center. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities to support maintenance of the M1A1 tank being assigned to this center in 1989. This tank has features that require maintenance facilities not currently available at this center. The M1A1 tanks' weight, size and engine type require maintenance bays with twice the floor space needed for other tanks, a 40-ton capacity overhead crane, and a positive pressure sound isolation room for testing the gas turbine.

CURRENT SITUATION:
Detachment "A" First Service Support Group performs major overhauls on tactical equipment stationed at this center. This equipment must be maintained in a constant state of combat readiness. Existing maintenance facilities are fully utilized. There are no facilities which can provide the needed isolation room and 40-ton crane capability, both of which are essential to M1A1 tank maintenance.

IMPACT IF NOT PROVIDED:
This center will be unable to maintain the M1A1 tanks. An estimated 70 tanks per year would be shipped to MCLB Barstow for maintenance. Mission readiness of the Fleet Marine force Third Tank Battalion would be impaired. The ability to repair tanks damaged during combined arms exercises would be eliminated with an adverse impact on training.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
FIELD MAINTENANCE SHOP	P-428

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	01-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	60
(C)	DATE DESIGN 35% COMPLETE	07-89
(D)	DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(140)
(B)	ALL OTHER DESIGN COSTS	(200)
(C)	TOTAL	340
(D)	CONTRACT	(275)
(E)	IN-HOUSE	(65)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	POTABLE WATER STORAGE TANK

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	841.40	P-447	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER STORAGE TANK	LS	-	-	4,130
STEEL TANK	LS	-	-	(2,300)
PIPING AND CONTROL SYSTEM.	LS	-	-	(1,260)
PUMPING STATION.	LS	-	-	(50)
UTILITIES.	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(430)
SUBTOTAL	-	-	-	4,130
CONTINGENCY (5%)	-	-	-	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

One 4.5 million gallon steel water storage tank, booster pumping station with two pumps, water distribution system piping, inter-connections between the new and existing reservoirs; utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides additional water storage capacity for increased water pressure to meet fire-safety standards. (Current mission.)

REQUIREMENT:
Adequate and sufficient water capacity at the pressure necessary to extinguish fires and furnish domestic and industrial water demands.

CURRENT SITUATION:
Potable water is obtained from Surprise Springs Water Basin ten miles from the center. Pipelines convey water by gravity flow across historically active earthquake faults to the center. Because of the sparsely populated Mojave Desert, it is unlikely major repairs to the water transmission mains or the electrical power supply to the well field could be made in less than five days, if a disaster would occur.

IMPACT IF NOT PROVIDED:
A disruption of water transmission from the wells to the existing storage tanks would result in the supply being depleted before repairs could be made. Without water, the center would close and force 10,000 residents to seek other shelter. Potential loss from fire during this period would be an unacceptable risk.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
POTABLE WATER STORAGE TANK	P-447

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	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(140)
(B) ALL OTHER DESIGN COSTS	(210)
(C) TOTAL	350
(D) CONTRACT	(280)
(E) IN-HOUSE	(70)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	COMMANDER IN CHIEF, ATLANTIC FLEET	1.17

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1076	9206	1436	291	2507	0	8	286	0	14810
b. END FY 1995	1170	9951	1454	446	2638	0	8	286	0	15953

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,387)	
b. INVENTORY TOTAL AS OF 30 SEP 89		241,580
c. AUTHORIZATION NOT YET IN INVENTORY		41,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		22,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		27,240
f. PLANNED IN NEXT THREE PROGRAM YEARS		59,000
g. REMAINING DEFICIENCY		35,290
h. GRAND TOTAL		427,540

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
724.11	BACH OFF QTRS MODERN	LS	5,000	05/89	08/90
154.20	QUAYWALL REPLACEMENT	LS	9,150	03/89	08/90
165.10	THAMES RIVER DREDGING	LS	8,350	03/89	09/90
	TOTAL		22,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

721.12	BACHELOR ENLISTED QUARTERS	88,770 SF	12,700	-	-
441.10	GENERAL WAREHOUSE	LS	7,000	-	-
911.10	LAND ACQUISITION	LS	4,690	-	-
411.10	UNDERGROUND TANK REPLACMNT	LS	2,850	-	-
	TOTAL		27,240		

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACHELOR ENLISTED QUARTERS	LS	6,760

10. MISSION OR MAJOR FUNCTIONS:

Serves as homeport for operational attack submarines of the Atlantic Fleet, providing refit, maintenance, replenishment, training, and ordnance support. Serves as host to other commands located on the base. Training and other support of FBM submarine off-crews.

Submarine Support Facility	Submarine Squadron Ten (State Pier)
Submarine Squadron Two	Submarine Development Squadron 12
Submarine Medical Center (Hospital)	Submarine Medical Research Laboratory
Submarine School	Naval Undersea Medical Institute

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	10
B: INSTALLATION RESTORATION	14,400
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	BACHELOR OFFICER QUARTERS MODERNIZATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	724.11	P-130	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS MODERNIZATION. . . .	LS	-	-	4,500
SUBTOTAL	-	-	-	4,500
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST.	-	-	-	4,730
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	270
TOTAL REQUEST.	-	-	-	5,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Alterations in three buildings including removal and replacement of partitions; new floor, wall, and ceiling coverings; bathroom and kitchen fixtures; doors; provide intercom system, telephone and cable TV outlets; fire protection and alarm systems, air conditioning, utilities; energy monitoring and control system; security lighting; stairs; asbestos removal.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides adequate billeting for 105 officer personnel. (Current mission.)

REQUIREMENT:
Adequate housing for 641 officer personnel who are either assigned duty at the base or are officer students attending one of the various schools.

CURRENT SITUATION:
Existing berthing capacity of 428 spaces, including 105 substandard spaces requiring modernization, and accommodations found by 323 personnel in the local community, is insufficient, resulting in overcrowding. After modernization of the spaces requested by this project, a new construction deficiency of 213 adequate billeting spaces will exist at this base. The remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.

IMPACT IF NOT PROVIDED:
A large deficiency of adequate living quarters for bachelor officers, resulting in degradation of morale, training, and career retention efforts.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR OFFICER QUARTERS MODERNIZATION	P-130

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(255)
(B) ALL OTHER DESIGN COSTS	(125)
(C) TOTAL	380
(D) CONTRACT	(330)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	QUAYWALL REPLACEMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	154.20	P-413	9,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
QUAYWALL REPLACEMENT	LS	-	-	7,800
QUAYWALL	LS	-	-	(6,630)
DREDGING	LS	-	-	(1,170)
SUPPORTING FACILITIES	-	-	-	420
ELECTRICAL UTILITIES	LS	-	-	(100)
MECHANICAL UTILITIES	LS	-	-	(320)
SUBTOTAL	-	-	-	8,220
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST	-	-	-	8,630
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	520
TOTAL REQUEST	-	-	-	9,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Replace concrete retaining wall with concrete platform on steel H-piles with rip-rap slope; replace steel sheet pile bulkhead with sheet pile and concrete platform supported by rigid steel "A" frame; replace timber relieving platform and timber sheeting with concrete relieving platform over existing and new sheet pile bulkhead; all three sections include fendering, cathodic protection, street lights, storm drains and pavement; utilities relocation; dredging and rock excavation.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Replaces concrete retaining wall section north of Piers 33 and 15; replaces steel sheet pile bulkhead north of Marina Pier; includes dredging and rock excavation north of Pier 33 to provide sufficient water depth. (Current mission.)

REQUIREMENT:

Adequate repair of the quaywall to protect facilities such as the waterfront road, which is the primary weapons handling route from weapons storage to the submarines; the torpedo wire rewind shop; the torpedo handling equipment maintenance shop; the waterfront safe-haven for torpedoes during electrical storms; underground utilities; and berthing for service craft. The quaywall is a structurally integral component of the submarine base waterfront, providing a non-eroding interface between the river and the shore. It allows the patrol road and the utility systems to run parallel to the river without the threat of their being undermined and damaged by water erosion. It is necessary to replace sections of the deteriorated and severely damaged quaywall to prevent the road and utilities from eventually collapsing into the Thames River. There are several shops and buildings sited close to the water's edge that also depend on the quaywall for their foundations' structural integrity.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
QUAYWALL REPLACEMENT	P-413

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION:

Deterioration of sheet piling and the concrete retaining wall in the vicinity of Piers 33 and 15 and the Marina Pier is allowing fill material to leak, causing an increasing number of waterfront roadway cave-ins. Conditions along the waterfront are hazardous for vehicles and weight handling equipment. The roadway running parallel to the quaywall is the principal route for the weapons delivery vehicles moving torpedoes and other weapons from the storage area to the submarine piers. Loss of this road would necessitate a re-routing of all traffic including the weapons delivery vehicles to a road which passes in front of a family housing area. Utility systems behind the bulkhead are threatened with disruption, which would severely interfere with submarine repair operations at the floating drydocks. Torpedo support shops located near the waterfront would become unusable if the material under their foundations were to wash away. Because of severe deterioration, repair is not a feasible alternative.

IMPACT IF NOT PROVIDED:

The quaywall will continue to deteriorate with possible collapse of the waterfront road and utilities causing severe reduction of support to submarines and submarine maintenance functions. Torpedo support shops would be unusable if their foundations were damaged through quaywall collapse.

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	03-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	45
(C)	DATE DESIGN 35% COMPLETE	09-89
(D)	DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(295)
(B)	ALL OTHER DESIGN COSTS	(135)
(C)	TOTAL	430
(D)	CONTRACT	(125)
(E)	IN-HOUSE	(305)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT	THAMES RIVER DREDGING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	165.10	P-424	8,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
THAMES RIVER DREDGING.	LS	-	-	13,000
SUBTOTAL	-	-	-	13,000
LESS: NATO SHARE.	-	-	-	-5,650
SUBTOTAL	-	-	-	7,350
CONTINGENCY-U.S PORTION (5%)	-	-	-	370
TOTAL CONTRACT COST.	-	-	-	7,720
SUPERVISION, INSPECTION & OVERHEAD (6%). . .	-	-	-	460
U.S. PART OF SIOH FOR NATO PORTION (3%). . .	-	-	-	170
TOTAL REQUEST.	-	-	-	8,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Dredging to deepen Thames River main ship channel, operating and maneuvering areas, and alongside Piers 32 and 33.

11. REQUIREMENT: As Required.

PROJECT: Provides dredging of the Thames River and operating areas at the base in support of SSN-21 SEAWOLF nuclear-powered attack submarines. (New mission.)

REQUIREMENT: Adequate access up river to Piers 32 and 33 for SSN-21 operational evaluations and eventual homeporting. The Navy plans to construct the SSN-21 class submarine to succeed the SSN-688 Los Angeles class. The emphasis in this class will be improved machinery and combat systems in both sensors, quieting, and additional weapons. Increased hull diameter, and therefore greater draft, will permit bow-mounted, large-diameter torpedo tubes for "swim-out" torpedoes. Thirty SSN-21 submarines will be constructed carrying about twice the number of tube-launched weapons as previous classes. Appropriations for the lead ship was approved in FY 1989. Two additional SSN-21 ships are in the FY 1991 budget request. First delivery to the fleet for operational evaluations is expected in 1994. Dredging is required in the ship channel from Electric Boat, Groton to just north of Pier 33, the northern most pier at this base. Operating and maneuvering areas adjacent to the ship channel in the vicinity of base piers will be dredged to permit proper and safe berthing or getting underway of submarines. Dredging alongside the two designated SSN-21 piers, Piers 32 and 33, is also required. Operational

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
THAMES RIVER DREDGING	P-424

11. REQUIREMENT: (Continued)
evaluation of the newly constructed submarines is scheduled to begin at New London in 1994. Future homeporting is proposed to begin in the year 2000. New London is the Atlantic Fleet's primary submarine evaluation, homeport, and training base. It is located just up the river from Electric Boat, Groton, one of only two companies which build the Navy's nuclear-powered submarines. Boats must be fully evaluated by the Navy prior to acceptance into the fleet and for continued production of additional boats by the contractor. The maximum draft of the SSN-21 will be 36 feet compared to 29 to 32 feet of the current attack submarine force. A dredged depth of 42 feet is required to provide a five-foot clearance and one foot of maintenance overdredge. An additional one foot of depth will be provided at pierside to permit diver inspection of the submarine hulls. The ship channel south of Electric Boat has a depth in excess of 42 feet to the ocean.
CURRENT SITUATION: The existing Thames River ship channel and operating and maneuvering areas do not have sufficient depth to allow passage of the new class of submarines. The channel north of Electric Boat averages a depth of 37 feet. Depths alongside Piers 32 and 33 are also inadequate for this submarine, varying in depth from 33 to 36 feet. These piers were selected as the SSN-21 support piers because they are of fairly recent construction, more isolated from the main operating area than the other piers, and will be easier to secure. None of the other base piers has sufficient dredged depth for the SSN-21.
IMPACT IF NOT PROVIDED: Operational evaluation and future homeporting of SEAWOLF SSN's will not be possible at New London. FY 1991 is not premature considering the risks of work stoppages and delays because of the permitting process, environmental litigation, weather, switch to a more remote dump site, hard dredging in rock, and other unforeseen conditions. Empirical data from dredging for SSN 688 shows a similar FY 1973 project in the Thames River reached initial operating capability in late 1975, with only some of the above noted risks being experienced.
ADDITIONAL: Based on allocation of submarines to NATO forces, NATO is contributing $5.65 million of the cost for dredging.

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
THAMES RIVER DREDGING	P-424

12. SUPPLEMENTAL DATA: (Continued)

(1) Status:

(a)	Date Design Started	3-89
(b)	Percent Complete as of January 1990	40
(c)	Date Design 35% Complete	10-89
(d)	Date Design Complete	9-90

(2) Basis:

(a)	Standard or Definitive Design:	Yes ____ No X
(b)	Where Design Was Most Recently Used:	N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	(330)
(b)	All Other Design Costs	(300)
(c)	Total	630
(d)	Contract	(545)
(e)	In-house	(85)

(4) Construction start: 12-90 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR COST INDEX
NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT	CHIEF OF NAVAL EDUCATION AND TRAINING	1.17

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	95	631	27	200	2000	0	0	0	0	2953
b. END FY 1995	95	631	27	200	2000	0	0	0	0	2953

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NSB
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	17,740
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	18,990
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,300
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	39,030

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	OPS TRAINER FAC	91,000	SF	18,990	05/89	10/90
	TOTAL			18,990		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	APPLIED INST BLDG	27,120	SF	2,300

10. MISSION OR MAJOR FUNCTIONS:

Provide officers and enlisted men with basic submarine knowledge and skills upon which operating submarine commands can build competence and proficiency in operating and maintaining submarines and their weapon systems. Provide functional, refresher, advanced, and team training to bring submarine personnel to a level of increased proficiency in specific skills.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT	OPERATIONAL TRAINER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804731N	171.35	P-398	18,990

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL TRAINER FACILITY	SF	91,000	131.00	11,920
SUPPORTING FACILITIES	-	-	-	5,150
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,220)
ELECTRICAL UTILITIES	LS	-	-	(930)
MECHANICAL UTILITIES	LS	-	-	(970)
PAVING AND SITE IMPROVEMENT	LS	-	-	(2,030)
SUBTOTAL	-	-	-	17,070
CONTINGENCY (5%)	-	-	-	850
TOTAL CONTRACT COST	-	-	-	17,920
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1,070
TOTAL REQUEST	-	-	-	18,990
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(369,080)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five-story steel frame building, pile foundation, concrete floors and roof on cellular metal decking, masonry walls, demountable and sliding interior partitions, TEMPEST shielding, computer flooring, air conditioning and process cooling, compressed air system, fire alarm systems, fire protection system, inert gas system, elevator, grounding and lightning protection systems, utilities.

11. REQUIREMENT: 291,170 SF ADEQUATE: 200,170 SF SUBSTANDARD: 0 SF

PROJECT:
Provides an operational trainer facility. (New mission.)

REQUIREMENT:
The Seawolf SSN-21 class submarine will be coming on line in 1994 with unique systems on-board. Personnel must be trained in the operation and maintenance of these systems to ensure effective utilization before the first submarine is commissioned. The SSN-21 training is a new requirement involving new facilities, increased staff, and students.

CURRENT SITUATION:
No existing space is available for this new training mission as all spaces are fully occupied with current training tasks. The SSN-21 training will be concurrent with all existing training.

IMPACT IF NOT PROVIDED:
This activity will be unable to provide operations and maintenance training for the new submarine systems. Submarines will deploy without fully trained personnel, jeopardizing fleet readiness potential.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONAL TRAINER FACILITY	P-398

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. 05-89
- (B) PERCENT COMPLETE AS OF JANUARY 1990. 45
- (C) DATE DESIGN 35% COMPLETE 10-89
- (D) DATE DESIGN COMPLETE 10-90

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
- (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
- (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (710)
- (B) ALL OTHER DESIGN COSTS . . . . . (370)
- (C) TOTAL. 1,080
- (D) CONTRACT . . . . . (955)
- (E) IN-HOUSE . . . . . (125)

(4) CONSTRUCTION START. . . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
BASIC OPERATOR TRAINER	OPN & RDT&E	1989 & 1992	4,400
TWO MAINTENANCE TRAINERS	OPN & RDT&E	1989 - 1993, 1997	250,500
TEAM TRAINER	OPN	1996	104,000
TEN VARIOUS TRAINERS	OPN	1990 - 1992	10,180
		TOTAL	369,080

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	OFFICE OF THE CHIEF OF NAVAL RESEARCH	1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	37	9	3455	0	0	0	0	0	0	3501
b. END FY 1995	39	10	3455	0	0	0	0	0	0	3504

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,106)	
b. INVENTORY TOTAL AS OF 30 SEP 89		158,280
c. AUTHORIZATION NOT YET IN INVENTORY		50,200
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		12,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		29,190
h. GRAND TOTAL		259,720

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.17	ELECTRO-OPTICS RESRCH LAB	51,370	SF	9,850	02/89	10/90
	TOTAL			9,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

312.25	SPACECRAFT/SAT LAB	80,000	SF	12,200	-	-
	TOTAL			12,200		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide research on electronic equipment and systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	1,200
B: INSTALLATION RESTORATION	1,140
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA	ELECTRO-OPTICS RESEARCH LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	310.17	P-115	9,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRO-OPTICS RESEARCH LABORATORY	SF	51,370	-	8,400
BUILDING ADDITION	SF	51,370	139.00	(7,140)
BUILT-IN EQUIPMENT	LS	-	-	(1,100)
TECHNICAL OPERATING MANUALS	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	450
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	8,850
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,290
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	560
TOTAL REQUEST	-	-	-	9,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story steel frame and masonry building addition, concrete foundation and floors, built-up roof, vibration-isolated flooring, dust and environmental controls, electromagnetic shielding, secret compartmented information facility construction, clean rooms, computer flooring, fire protection system, air conditioning, utilities.

11 REQUIREMENT: 53,800 SF ADEQUATE: 2,430 SF SUBSTANDARD: 0 SF

PROJECT:

Provides state-of-the-art optics and electro-optics research facilities. (Current mission.)

REQUIREMENT:

Basic research and development in fields of optics and electro-optics having potential for direct military applications. Includes fiber optics, laser weaponry, and focal plane arrays for space and aircraft surveillance systems, optical countermeasures, and undersea surveillance. The Naval Research Laboratory must respond in a timely fashion to rapid changes in technology and to the constant evolution of military requirements. Special compartmented vaults, secure laboratories, and shielded rooms are required for the execution of several highly classified projects.

CURRENT SITUATION:

The pre-1941 facility assets utilized today are designed in a manner to make adaptation to modern research techniques economically impossible. They were designed without the necessary dust, noise, temperature, vibration, and humidity controls required during research. Experimentation stoppages are frequent and the inability to perform certain experiments is reaching a critical level, keeping the Optical Science Division from carrying out its mission.

IMPACT IF NOT PROVIDED:

Continued operations in inadequate facilities will contribute to lost efforts and jeopardize the quality and timeliness of essential functions in the research and development of optics applications. Several

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRO-OPTICS RESEARCH LABORATORY	P-115

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
important developmental projects in the areas of undersea surveillance, fiber optics, space surveillance, directed energy weaponry, and optical countermeasures, will not be able to proceed. Potential scientific breakthroughs may not be realized or may be substantially delayed.

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	02-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	35
(C)	DATE DESIGN 35% COMPLETE	07-89
(D)	DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___ NO_X_
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(520)
(B)	ALL OTHER DESIGN COSTS	(240)
(C)	TOTAL	760
(D)	CONTRACT	(730)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 04-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, JACKSONVILLE, FLORIDA	COMMANDER IN CHIEF, ATLANTIC FLEET	.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1049	6628	2500	231	437	0	47	291	0	11183
b. END FY 1995	1093	6529	2500	73	449	0	47	291	0	10982

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,895)	
b. INVENTORY TOTAL AS OF 30 SEP 89		242,810
c. AUTHORIZATION NOT YET IN INVENTORY		13,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,140
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		35,250
g. REMAINING DEFICIENCY		86,360
h. GRAND TOTAL		387,180

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	ANTI-SUB WARFARE TRNG FAC	22,400 SF	2,810	06/89	10/90
831.10	WASTEWATER SYSTEM IMPROVES	LS	6,330	07/89	09/90
	TOTAL		9,140		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACHELOR ENLISTED QUARTERS	144,040 SF	12,900
211.21	ENGINE MAINT SHOP ADDN	21,000 SF	1,500
116.10	HELI WASH AND RINSE FAC	LS	550
212.20	MK 50 TORPEDO MAINT FAC	LS	6,100
131.50	TRANSMITTER BLDG ADDITION	44,100 SF	6,200

10. MISSION OR MAJOR FUNCTIONS:

This activity is homeport for seven land-based, anti-submarine warfare (ASW) squadrons (P-3) and all east coast carrier-based ASW helicopter squadrons (SH-3/SH-60F). Provides support to the Naval Aviation Depot and a Naval Hospital.

Six Land Based ASW Squadrons	Naval Aviation Depot
Six Helicopter ASW Squadrons	Naval Air Reserve Unit
Two Fleet Readiness Squadrons	Naval Regional Medical Center

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	80
B:	INSTALLATION RESTORATION	10,380
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, JACKSONVILLE, FLORIDA	ANTI-SUBMARINE WARFARE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.35	P-174	2,810

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ANTI-SUBMARINE WARFARE TRAINING FACILITY . . .	SF	22,400	84.00	1,880
SUPPORTING FACILITIES.	-	-	-	650
UTILITIES, PAVING AND SITE IMPROVEMENT . . .	LS	-	-	(650)
SUBTOTAL	-	-	-	2,530
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,660
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	150
TOTAL REQUEST.	-	-	-	2,810
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(16,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story precast concrete frame building, spread footing foundations, concrete floor, tilt-up precast concrete panel walls, single membrane roofing on precast roof system, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 22,400 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides classroom and training facilities to familiarize, indoctrinate, train and refresh personnel in the operational and tactical employment of equipment and flight systems of the P-3 Anti-submarine Warfare (ASW) aircraft. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to accommodate the Fleet Aviation Specialized Operational Training Group (FASO) and the Naval Air Maintenance Training Group Detachment (NAMTGD). The new facility will house $16 million of trainers to be delivered in 1992. Jacksonville is the homeport for six deployable P-3 ASW squadrons, one Naval Reserve Force P-3 squadron, and the only east coast P-3 Fleet Readiness (training) Squadron. The P-3C joined the Navy's ASW forces starting in 1969 and has been updated several times to improve its ability to process more data faster. The Navy is planning a major systems improvement program for the P-3 and has designated it P-3C Update IV. This project is specifically designed to train personnel in maintenance of the aircraft's tactical employment of weapons systems. The P-3C Update IV will utilize the same airframe, but will be updated with advanced sensors, on-board computers and new avionics to enable it to keep pace with the advances being made in submarine technologies such as quieting. Updated systems will improve the P-3's ability to detect and track new generation submarines; to communicate with the Fleet battle group commander and the improved ASW Operations centers being constructed; and to process sensor, communication, and navigation data received from many sources. Aircrews must be trained to maintain these new systems to fully

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, JACKSONVILLE, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
ANTI-SUBMARINE WARFARE TRAINING FACILITY	P-174

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
utilize their ASW potential.

CURRENT SITUATION:
Jacksonville has been tasked to provide P-3C Update IV training. Currently, all P-3C training spaces are fully utilized for older model P-3C training. P-3C Update IV training will require new trainers. The older P-3C trainers will be required as long as older P-3C's are assigned to the squadrons. Complete transition is not expected until the mid-1990's.

IMPACT IF NOT PROVIDED:
Existing facilities are physically incapable of housing the new trainer equipment and the associated support spaces for the additional assigned training workload. FASO's mission will be severely hindered for training aircrews. NAMTGD will not be able to perform maintenance training to keep critical avionics components operational. NAMTGD is the only east coast facility to provide support for the P-3C Update IV training 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	06-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	40
(C)	DATE DESIGN 35% COMPLETE	11-89
(D)	DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(150)
(B)	ALL OTHER DESIGN COSTS	(105)
(C)	TOTAL	255
(D)	CONTRACT	(210)
(E)	IN-HOUSE	(45)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
P-3C UPDATE IV MAINTENANCE TRAINER AND ASSOCIATED EQUIPMENT	APN	1989 - 1993	16,000
		TOTAL	16,000

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, JACKSONVILLE, FLORIDA	WASTEWATER SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	831.10	P-188	6,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WASTEWATER SYSTEM IMPROVEMENTS	LS	-	-	5,690
SUBTOTAL	-	-	-	5,690
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST	-	-	-	5,980
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	350
TOTAL REQUEST	-	-	-	6,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Upgrade existing treatment plant including screening equipment, equalization tank; flow splitter, clarifiers, digested sludge pumping equipment; new aerobic digester; grit removal; instrumentation, piping.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides major upgrades of the domestic waste treatment plant. (Current mission.)

REQUIREMENT:

Adequate facilities to prevent hazardous wastes targeted by the Environmental Protection Agency (EPA) from being discharged into the St. Johns River as part of the activity domestic wastewater effluent. Industrial and maintenance activities and airfield operations result in the eventual discharge of listed hazardous waste to the domestic sewage treatment facility. Elimination of this discharge is mandated by compliance schedules incorporated in the National Pollutant Discharge Elimination System (NPDES) permit. Complete compliance is required by 30 September 1992.

CURRENT SITUATION:

Naval Aviation Depot Jacksonville is the east coast overhall and rework activity for P-3, F/A-18, and A-7 aircraft. NAS Jacksonville is homeport to seven P-3 squadrons, one reserve P-3 squadron and other aircraft. Also on-base are a Naval Hospital, Supply Center, and family housing. All wastewater from these activities is treated at the domestic wastewater treatment plant. The base domestic sewage treatment facility discharges into the St. Johns River. The EPA has established new limits on the quality of the treated effluent discharged into the St. Johns River. The State of Florida adopted these limits in the NPDES permit of 9 May 1988. The Air Station's operating permit states that no listed hazardous wastes will be discharged from the sanitary or domestic lines as of 30 September 1992 (the compliance date of the NPDES permit). NAS Jacksonville is currently operating outside the established 1992 limits

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, JACKSONVILLE, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
WASTEWATER SYSTEM IMPROVEMENTS	P-188

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
and must meet the compliance date or be forced to cease major operations, including aircraft overhaul.

IMPACT IF NOT PROVIDED:
The compliance date will not be met forcing the Air Station to eliminate essential rework and other operations.

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	07-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B) ALL OTHER DESIGN COSTS	(70)
(C) TOTAL	370
(D) CONTRACT	(325)
(E) IN-HOUSE	(45)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AVIATION DEPOT, JACKSONVILLE, FLORIDA	NAVAL AIR SYSTEMS COMMAND	.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	16	16	4510	0	0	0	0	0	0	4542
b. END FY 1995	18	16	4510	0	0	0	0	0	0	4544

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		14,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,500
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		25,170

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.15	INDUST WSTWTR TREAT FACS	LS	14,670	08/89	05/90
	TOTAL		14,670		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

812.30	UTILITIES SYS IMPRVS(II)	37,100	SF	10,500

10. MISSION OR MAJOR FUNCTIONS:
Perform a complete range of depot level rework operations on designated weapons systems, accessories, and equipment; provide engineering services for development of changes of hardware design; furnish technical services on aircraft maintenance and logistics problems; and perform, upon specific request, other aircraft maintenance.
Depot Rework of Aircraft: F/A-18, A-7, P-3
Depot Rework of Engines: J52, TF34, F404

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, KEY WEST, FLORIDA	COMMANDER IN CHIEF, ATLANTIC FLEET	1.05

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	410	3222	597	16	66	0	0	0	0	4311
b. END FY 1995	432	3205	605	42	138	0	0	0	0	4422

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(19,209)	
b. INVENTORY TOTAL AS OF 30 SEP 89		116,960
c. AUTHORIZATION NOT YET IN INVENTORY		11,220
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		7,030
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		14,400
h. **GRAND TOTAL**		149,610

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141.41	CARIBBEAN REG OPS CENTER	LS		4,020	07/89	03/91
159.64	EOD MOBILE UNIT FAC	28,560	SF	3,010	05/86	04/90
	TOTAL			7,030		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:

Maintains and operates an air station to support training of flight crews using tactical aircraft and conducting training exercises in the Caribbean Sea and in the Gulf. Provides waterfront support for a patrol ship (PHM) squadron and berthing facilities for up to five surface combatants operating in the area on forward deployment. Major units supported include:

Two aircraft squadrons (30 aircraft)
Coast Guard Units (five cutters & three SES)
One PHM Squadron (Six Ships)
Naval Intelligence & Security Detachments
Air Force Air Defense Units
US Forces Caribbean
Medical Clinic

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	14,700
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, KEY WEST, FLORIDA	CARIBBEAN REGIONAL OPERATIONS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	141.41	P-636	4,020

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CARIBBEAN REGIONAL OPERATIONS CENTER	LS	-	-	3,610
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,020
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building modifications at Truman Annex to support radar installations; reinforced concrete foundations for radar tower installations at Naval Air Station, Key West and Naval Station, Guantanamo Bay, Cuba; two utility support buildings; emergency electric power generator at Cuba site.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides building upgrade and support for antenna facilities for the Caribbean Regional Operations Center (CARIBOC) (formerly Joint Air Reconnaissance Control Center) Key West to allow expansion of mission for air surveillance and control. Provides facilities in support of remote surveillance radar and communication equipment to be installed at the Naval Station, Guantanamo Bay, Cuba. (Current mission.)

REQUIREMENT:

Improve air surveillance coverage and air traffic control in the Gulf of Mexico and the Caribbean Sea. The operations center is located at the Naval Air Station, Key West. It is a joint military-civilian operation with Federal Aviation Administration (FAA) providing air traffic control services to civilian air traffic in the region. The military functions are performed by Navy and Air Force personnel and report directly to the Unified Commander, Commander in Chief, Atlantic. The military mission includes monitoring all traffic, both military and civilian, in the ocean areas south of Florida. This includes monitoring Cuban and Soviet air traffic. It provides air traffic control to military aircraft training in the surrounding off-shore ranges. New missions include the monitoring of potential drug-traffic entering U.S. airspace from Latin America. An upgrade to the operations center is required to accommodate this new workload. Additional remote radar and communications facilities are required at Guantanamo Bay to expand the coverage of regions south of Cuba and into the Caribbean Sea. Utility work and building renovations will also be required. New radar and tower are being provided by FAA,

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, KEY WEST, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
CARIBBEAN REGIONAL OPERATIONS CENTER	P-636

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

Air Force Radar Replacement Program.

CURRENT SITUATION:

Present building configuration and support facilities in the operations center are unable to accommodate additional workload generated by the new military responsibilities assigned to the center in the war against drugs. Surveillance of small aircraft carrying drugs cannot be adequately performed without improving the equipment and the addition of remote and more powerful radar systems. There is no practical data link of air surveillance information from Naval Air Station, Guantanamo Bay to the CARIBOC located in Key West. The present joint-use radar at the Air Station, Boca Chica Key, is obsolete and does not meet mission requirements of CARIBOC, FAA, NORAD and Joint Task Force-4 (JTF-4). Range and altitude of detection are inadequate, probability of detection is insufficient, and determination of target altitude is impossible. Key West is a high traffic area for commercial traffic going south from Miami. It is a high-use area for air-to-air combat training, and is in close proximity to Cuba. Modern three dimensional radar is necessary to fulfill Joint Chiefs of Staff responsibility to monitor air activities around Cuba, FAA responsibility to provide air traffic separation and safety of flight, NORAD responsibility for defense, and JTF-4 responsibility to detect and monitor drug smugglers in the vicinity. The present radar was installed in the 1950's and its fixed, two dimension pattern prevents detection of low altitude small aircraft, air-to-air training, and altitude reporting. Some of the electronic components, such as vacuum tubes, are out of production in the western world.

IMPACT IF NOT PROVIDED:

Surveillance cover will not be expanded. There will be no spaces for expanded functions and new equipment. The military's contribution to the drug war in the region will not reach its full potential.

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	07-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	03-91

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(210)
(B) ALL OTHER DESIGN COSTS	(110)
(C) TOTAL	320
(D) CONTRACT	(300)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START: 07-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, KEY WEST, FLORIDA	EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	159.64	P-620	3,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FAC. .	SF	28,560	80.00	2,280
SUPPORTING FACILITIES.	-	-	-	420
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(60)
UTILITIES.	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(290)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame stuccoed concrete masonry-unit building, grade beam and pile foundation, concrete floors, built-up roof on steel bar-joist system, security fencing and lighting; fire protection system, air conditioning, utilities; demolition of two buildings.

11. REQUIREMENT: 28,560 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a waterfront operations, maintenance, and administration building to support an Explosive Ordnance Disposal (EOD) Mobile Unit. (New mission.)

REQUIREMENT:

Adequate and properly-configured secure facilities to accommodate EOD Mobile Unit Four, an entirely new Navy organization scheduled to be established in the Key West area at the old Truman Annex. Initially, this unit will have a staff of 63 officers and enlisted personnel, with plans to increase to a full staff of 161 by 1991. This project will accommodate the full staff, operational craft, marine systems, and administrative needs of the mobile unit. The primary mission of EOD units is to provide shore activities and forces afloat with highly skilled personnel trained in the delicate art of explosives disarmament and disposal. The function of the units is to deal with any type of explosive ordnance that could be encountered in action against an enemy, as well as Navy ordnance that is mishandled or defective. The mobile unit will be a specialized group to assist Naval activities in the southern U.S. and in the Caribbean area. The unit will also participate in mine warfare exercises, provide underwater explosive ordnance reconnaissance training for civil authorities, assist the U.S. Secret Service, and participate in research and development projects including support of the Naval Ocean Systems Center Marine Mammal Research effort. Establishment of this second east coast mobile unit will parallel the highly successful west coast program at San Diego. Facilities for Mobile Unit Two at Naval Amphibious Base, Little Creek, Virginia were

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, KEY WEST, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FACILITY	P-620

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)
successfully programmed in FY 1986. Other Mobile Units will be established in the future as the program to replace the small detachments with regional, more capable Mobile Units proceeds.

CURRENT SITUATION:
The small four-man EOD detachment formerly serving this activity has been replaced by the much larger mobile unit. Interim facilities are being prepared and used at the Truman Annex for the new unit. These temporary facilities will provide half the space required for the mobile unit. A minimal amount of funds will be expended on these facilities to make them capable of accommodating the unit until this project is completed.

IMPACT IF NOT PROVIDED:
The new mobile unit will not have adequately sized and configured facilities to accommodate the full staff of 161 people and all its equipment, small craft, and administrative items. Establishment of marine mammal systems and mine countermeasures capability at this strategic location will be hindered.

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.	05-86
(B)	PERCENT COMPLETE AS OF JANUARY 1990.	70
(C)	DATE DESIGN 35% COMPLETE	09-86
(D)	DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(185)
(B)	ALL OTHER DESIGN COSTS	(125)
(C)	TOTAL.	310
(D)	CONTRACT	(270)
(E)	IN-HOUSE	(40)

(4) CONSTRUCTION START. 12-90
(MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET TRAINING CENTER, MAYPORT, FLORIDA	CHIEF OF NAVAL EDUCATION AND TRAINING	.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	17	100	2	4	49	0	0	0	0	172
b. END FY 1995	18	102	2	8	70	0	0	0	0	200

7. INVENTORY DATA ($000)

	TENANT OF NS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	4,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	FIRE FIGHTING TRNG FAC	LS	4,300	05/89	04/90
	TOTAL		4,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide facilities for anti-submarine, communications, electronics, ship handling, navigation, and seamanship training for the operating forces of the Navy.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET TRAINING CENTER, MAYPORT, FLORIDA	FIRE FIGHTING TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	179.45	P-168	4,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY.	LS	-	-	2,960
TRAINER STRUCTURE.	LS	-	-	(1,610)
APPLIED INSTRUCTION BUILDING	SF	12,120	92.00	(1,120)
BUILT-IN EQUIPMENT	LS	-	-	(60)
TECHNICAL OPERATING MANUALS.	LS	-	-	(170)
SUPPORTING FACILITIES.	-	-	-	910
ELECTRICAL UTILITIES	LS	-	-	(100)
MECHANICAL UTILITIES	LS	-	-	(450)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(360)
SUBTOTAL	-	-	-	3,870
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST.	-	-	-	4,060
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	240
TOTAL REQUEST.	-	-	-	4,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(4,660)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete trainer structure and control building; two-story reinforced concrete frame instruction building, concrete foundation and floors, built-up roof; fire protection system, air conditioning, utilities; pollution abatement, fuel, water and wastewater treatment storage tanks; burning devices.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides a fire fighting training facility.which complies with State of Florida environmental requirements. (Current mission.)

REQUIREMENT:

Adequate facilities to train crash and rescue crews as a team in extinguishing simulated aircraft and crash fires utilizing all tools and equipment available on an aircraft carrier flight deck. Naval Station Mayport is homeport to two aircraft carriers, numerous surface combatants and all the Atlantic Fleet LAMPS Mk III ASW helicopters. The need to train personnel in techniques, especially teamwork, to combat fires that occur on the flight deck and the airfield is essential. This large-scale, realistic, team-oriented training is presently unavailable at Mayport. The device will be configured so the fire can be attacked from any side. The facilities will allow two two-day classes of 60 students each and one one-day class of 30 students to be conducted each week. Approximately 6,000 students will be trained each year. The project will improve readiness by providing well trained, confident crash and salvage crews ready to take the lead in suppressing any fire that may occur.

CURRENT SITUATION:

Current oil-fired trainers require an extensive amount of time and materials for clean-up and restart between training sessions and are not conducive to team damage control training. The current trainer does not adequately simulate all potential aviation type fires. Crash and rescue crews currently do not receive live fire training as a team. Individual

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER, MAYPORT, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTING TRAINING FACILITY	P-168

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
training for each crewman is provided by the Fleet. These fire awareness courses are not sufficiently challenging and lack the full complement of flight deck equipment and mobile firefighting vehicles. Large scale pool and running fuel fire suppression courses are not presently taught at any Navy fire fighting schools.

IMPACT IF NOT PROVIDED:
Shipboard personnel will not receive proper classroom and field exposure to actual fire situations and associated extinguishing agents to meet fleet training needs.

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	05-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	70
(C)	DATE DESIGN 35% COMPLETE	09-89
(D)	DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(250)
(B)	ALL OTHER DESIGN COSTS	(80)
(C)	TOTAL	330
(D)	CONTRACT	(300)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FIRE FIGHTING TRAINER	OPN-BA 7	1993	4,660
		TOTAL	4,660

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, MAYPORT, FLORIDA	COMMANDER IN CHIEF, ATLANTIC FLEET	.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1446	16154	737	42	189	0	79	330	0	18977
b. END FY 1995	1278	13643	737	45	202	0	104	439	0	16448

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,409)	
b. INVENTORY TOTAL AS OF 30 SEP 89		160,800
c. AUTHORIZATION NOT YET IN INVENTORY		25,420
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		17,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		31,050
h. GRAND TOTAL		239,420

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841.30	POTABLE WTR SYS IMPRVS	LS	4,950	07/89	09/90
	TOTAL		4,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

740.74	CHILD DEVELOPMENT CENTER	16,020 SF	2,150	-	-
890.21	COMPRESSED AIR DISTR SYS	6,500 LF	1,980	-	-
841.10	FEED WATER VEMIN	LS	990	-	-
831.41	HAZARDOUS WASTE FACILITY	LS	1,120	-	-
740.84	PHYSICAL FITNESS CENTER	15,150 SF	460	-	-
843.20	PIER FIRE PROTECTION	LS	1,300	-	-
832.10	SANITARY SEWER	LS	600	-	-
841.10	WATER TREATMENT FACILITY	8,000 KG	8,600	-	-
	TOTAL		17,200		

10. MISSION OR MAJOR FUNCTIONS:

Mayport is homeport for five LAMPS MK III Helicopter Squadrons (SH 60-B Helicopter) and one LAMPS MK I Helicopter Squadron. Deliveries of the SH-60 Helicopter began in 1985. Major units homeported at Mayport include two aircraft carriers; 28 cruisers, destroyers and frigates; one destroyer tender; three reserve ships; SIMA; and a fleet training center.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	90
B: INSTALLATION RESTORATION	13,450
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, MAYPORT, FLORIDA	POTABLE WATER SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	841.30	P-830	4,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER SYSTEM IMPROVEMENTS.	LS	-	-	3,710
WATER TREATMENT FACILITIES	LS	-	-	(760)
GROUND LEVEL WATER STORAGE TANK.	LS	-	-	(530)
PUMPING FACILITIES	LS	-	-	(640)
DISTRIBUTION SYSTEM IMPROVEMENTS	LS	-	-	(1,620)
STORAGE TANK REPAIRS	LS	-	-	(80)
TECHNICAL OPERATING MANUALS.	LS	-	-	(80)
SUPPORTING FACILITIES.	-	-	-	740
ELECTRICAL UTILITIES	LS	-	-	(650)
PAVING AND SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(90)
SUBTOTAL	-	-	-	4,450
CONTINGENCY (5%)	-	-	-	220
TOTAL CONTRACT COST.	-	-	-	4,670
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	280
TOTAL REQUEST.	-	-	-	4,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Constructs one 2,000,000-gallon ground-level water storage tank;repairs a 500,000 gallon ground-level water storage tank; emergency generator; distribution system improvements including new pipeline, fittings, valves; high-pressure pumping facilities; aeration and chlorination treatment facility; electrical utilities; demolition of treatment plant.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides one 2,000,000-gallon and repairs a 500,000-gallon ground-level water storage tanks, new water treatment plant; high pressure pumping station, and improvements to the water distribution system. (Current mission.)

REQUIREMENT:

Additional potable water storage capacity to meet present operating water pressure demands and to satisfy the fire fighting water requirements of the station. Mayport has experienced significant growth over the past decade. A large, medium-industrial Shore Intermediate Maintenance Activity (SIMA) is now in operation. A new berthing wharf for FFG-7 class frigates is complete. The existing berthing wharfs have been upgraded. A completely new helicopter support complex was developed. Numerous personnel support facilities have been built or are under construction. Five helicopter squadrons and several new ships are now homeported. All these functions, facilities, and users require fresh water for industrial and domestic use and for fire protection. New water treatment facilities are required to ensure the water is completely disinfected before domestic use and to remove gases from the well water which act to corrode pipes and metal equipment.

CURRENT SITUATION:

Water is supplied to water storage tanks from wells located on the base. Water is treated prior to being stored and distributed. The existing potable water storage capacity consists of 750,000 gallons with 500,000 in one ground storage tank and 250,000 gallons in an elevated storage

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, MAYPORT, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
POTABLE WATER SYSTEM IMPROVEMENTS	P-830

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)

tank. The near-term water storage capacity requirement is 2,750,000 gallons to meet daily industrial and domestic demands and to have enough water in reserve for fire fighting. Additional water storage capacity and water treatment facilities are required to support recent on-base development. The current capacity does not safisfy even the fire fighting reserve requirement of one million gallons. The water distribution system to the industrial areas is insufficiently sized to deliver the required 4,000 gallons per minute needed for fire fighting. The new high-pressure pumping station will provide the required volume per minute as well as hose-end pressure. The existing treatment plant is not capable of providing satisfactory water quality for base requirements. Mayport well water is highly mineralized and corrosive. Dissolved gases such as carbon dioxide and hydrogen sulfide are not sufficiently removed during the aeration process and the water is not completely disinfected during chlorination. The existing facilities are in poor mechanical condition and certain component parts are improperly sized for daily demand. Major elements of the plant were built in 1960 and have reached the end of their economic life.

IMPACT IF NOT PROVIDED:

Sufficient water capacity on the base will not be available should a major fire occur. All existing capacity would be consumed leaving the base without enough industrial and domestic water for about 24 hours. The maintenance problems plaguing the treatment facilities will continue to occur with system failure a distinct possibility. Hard water will continue to corrode pipes and metal equipment.

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	07-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	40
(C)	DATE DESIGN 35% COMPLETE	11-89
(D)	DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(95)
(B)	ALL OTHER DESIGN COSTS	(65)
(C)	TOTAL	160
(D)	CONTRACT	(130)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL EE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL TRAINING CENTER, ORLANDO, FLORIDA	CHIEF OF NAVAL EDUCATION AND TRAINING	.84

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	405	2223	2086	720	14329	0	0	212	0	19975
b. END FY 1995	415	2207	2078	720	17514	0	0	215	0	23149

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,072)	
b. INVENTORY TOTAL AS OF 30 SEP 89		189,760
c. AUTHORIZATION NOT YET IN INVENTORY		54,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		18,030
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		19,270
g. REMAINING DEFICIENCY		29,570
h. GRAND TOTAL		315,270

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.14	BARRACKS	116,630	SF	10,960	04/86	08/87
722.10	MESS HALL	52,000	SF	7,070	05/89	10/90
	TOTAL			18,030		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

740.74	CHILD DEVELOPMENT CENTER	34,780	SF	4,000	-	-
	TOTAL			4,000		

B. MAJOR PLANNED NEXT THREE YEARS:

721.14	BARRACKS	LS		11,240
431.10	COLD STORAGE WAREHOUSE	10,370	SF	1,940
844.30	FIRE PROTECTION SYS	LS		580
441.10	WAREHOUSE	121,600	SF	5,510

10. MISSION OR MAJOR FUNCTIONS:

Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	60
B:	INSTALLATION RESTORATION	3,000
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, ORLANDO, FLORIDA	BARRACKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	721.14	P-200	10,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	116,630	66.00	7,700
SUPPORTING FACILITIES	-	-	-	2,150
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(1,810)
SUBTOTAL	-	-	-	9,850
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST	-	-	-	10,340
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	620
TOTAL REQUEST	-	-	-	10,960
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Seven-story steel frame building, concrete foundation and floors, masonry walls with brick facing, built-up roof over concrete on steel deck, elevators, automatic sprinkler fire protection system, air conditioning, utilities; semi-open-bay living compartments concept; demolition of one building.
Grade mix: 720 E1-E4. Total: 720.

11. REQUIREMENT: 8,224 PN ADEQUATE: 6,396 PN SUBSTANDARD: 0 PN

PROJECT:
Provides adequate billeting for 720 enlisted students assigned to Navy basic "A" schools. (Current mission.)

REQUIREMENT:
Adequate housing for 8,224 "A" school students who are either undergoing basic skills training after completion of recruit training or upgrading fleet skill training requirements.

CURRENT SITUATION:
Adequate berthing capacity of 6,396 spaces exist on base, including the 720 spaces funded in FY 1987, and the 1,440 spaces funded in FY 1989. A new construction deficiency of 1,828 adequate billeting spaces exist for "A" school students. Upon completion of this project, the remaining projected space deficit will be satisfied by follow-on projects currently proposed for FY 1992 and FY 1993. All projected space requirements are revalidated annually by a new survey, which updates planning projections. Some students are currently housed in overcrowded, inadequate, 40 year-old facilities which cannot be economically modernized.

IMPACT IF NOT PROVIDED:
Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy, to the detriment of morale, training, and career retention efforts.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, ORLANDO, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
BARRACKS	P-200

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	04-86
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	10-86
(D)	DATE DESIGN COMPLETE	08-87

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(235)
(B)	ALL OTHER DESIGN COSTS	(60)
(C)	TOTAL	295
(D)	CONTRACT	(265)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, ORLANDO, FLORIDA	MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	722.10	P-240	7,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL	SF	52,000	-	5,650
BUILDING	SF	52,000	107.00	(5,560)
TECHNICAL OPERATING MANUALS	LS	-	-	(90)
SUPPORTING FACILITIES	-	-	-	700
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(470)
SUBTOTAL	-	-	-	6,350
CONTINGENCY (5%)	-	-	-	320
TOTAL CONTRACT COST	-	-	-	6,670
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	400
TOTAL REQUEST	-	-	-	7,070
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame building, concrete foundation and floor, masonry walls, built-up roof, fire protection system, air conditioning, utilities; loading ramp, emergency generator; equipment for kitchen, galley, dining, serving, storage; demolition of five buildings.

11. REQUIREMENT: 104,000 SF ADEQUATE: 52,000 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a centrally-located mess hall for more dining space, food service, and storage. (Current mission.)

REQUIREMENT:
Adequate additional dining capacity to support the NTC Orlando complex. This project supports the move of the Electronics Technician "A" School from Great Lakes to Orlando.

CURRENT SITUATION:
The existing mess hall is overloaded resulting in slow service at peak meal periods. This overuse causes personnel to spend excessive time waiting in line to enter the facility. Galley personnel must spend long periods of time preparing and serving food, reducing time allotted for clean-up and maintenance of equipment.

IMPACT IF NOT PROVIDED:
This center cannot accommodate the expanded mission with its associated workload.

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. 05-89

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, ORLANDO, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
MESS HALL	P-240

12. SUPPLEMENTAL DATA: (CONTINUED)

(B) PERCENT COMPLETE AS OF JANUARY 1990. 40
(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 10-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (365)
(B) ALL OTHER DESIGN COSTS . . . . . (125)
(C) TOTAL. 490
(D) CONTRACT . . . . . (440)
(E) IN-HOUSE . . . . . (50)

(4) CONSTRUCTION START. 01-91
(MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	47	392	1352	45	233	0	0	0	0	2069
b. END FY 1995	51	425	1358	45	366	0	0	0	0	2245

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,112)	
b. INVENTORY TOTAL AS OF 30 SEP 89		75,090
c. AUTHORIZATION NOT YET IN INVENTORY		7,330
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,330
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,820
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		15,070
h. GRAND TOTAL		106,640

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.33	COMP/ANALYSIS LAB ADDN	33,000	SF	4,330	05/89	06/90
	TOTAL			4,330		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

315.20	U/W ELEX SYS ENG/TEST FAC	50,000	SF	4,820	-	-
	TOTAL			4,820		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Principal Navy RDT&E center for the application of science and technology associated with military operations in the coastal region. Maintains the primary in-house research and development capability for inshore warfare including countermeasures, defense, surveillance, and interdication; control technology; naval swimmer/diver support systems; salvage support; acoustic countermeasures; and amphibious operations. Host to Diving/Salvage Training Center.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	12,740
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA	COMPUTATION AND ANALYSIS LABORATORY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	310.33	P-301	4,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPUTATION AND ANALYSIS LABORATORY ADDN	SF	33,000	-	3,520
BUILDING	SF	33,000	91.00	(3,000)
BUILT-IN EQUIPMENT	LS	-	-	(520)
SUPPORTING FACILITIES	-	-	-	370
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(120)
ELECTRICAL UTILITIES	LS	-	-	(110)
MECHANICAL UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(50)
SUBTOTAL	-	-	-	3,890
CONTINGENCY (5%)	-	-	-	200
TOTAL CONTRACT COST	-	-	-	4,090
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,330
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(31,550)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, concrete foundation and floors, masonry walls, cast-in-place reinforced concrete roof, acoustic absorption features, radio frequency shielded spaces, five-ton bridge crane, fire protection system, air conditioning and mechanical ventilation, utilities; security vault areas.

11. REQUIREMENT: 120,320 SF ADEQUATE: 87,320 SF SUBSTANDARD: 0

PROJECT:

Provides building addition to consolidate the computation and analysis area with multi-discipline laboratory for RDT & E on undersea countermeasure and coastal and special warfare programs. (Current mission.)

REQUIREMENT:

Adequate research and computer space for high priority programs in surface mine countermeasure exploratory development, all Naval Special Warfare, sonar and torpedo countermeasures, and the Mine Countermeasure (MCM-1) Class Combat System. The U.S. Navy countermeasure technology requires continuous improvements to meet the threat of the 1990's. The Countermeasures Evaluator (CME) and the Active Sonar Model (ASM) are the center's computer simulation systems, utilized to provide real-time, interactive simulation of acoustic-sensors (torpedo and mine and sonar), ships and submarines, and acoustic countermeasures in a simulated at-sea environment. The software engineering provides life-cycle maintenance and supports the software development for the CME and the Surface Ship Torpedo Defense (SSTD) program. Also needed is a comprehensive, multi-discipline Naval Special Warfare area which incorporates major aspects and functions (i.e. submersible, surface and air platforms, command/control/communications and intelligence, life support and weapons) from other warfare areas for application in a variety of environments worldwide. The continually changing nature of the threat and the requirements specified for the Naval Special Warfare community require the development and application of new technology to meet the

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
COMPUTATION AND ANALYSIS LABORATORY ADDITION	P-301

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

difficult and complex missions of the Naval Special Warfare forces. The proposed facility will provide the required space to centralize vital computer assets used for simulation studies, software development, signal processing, engineering design of systems and hardware, and provide compartmented workspace for Special Warfare programs.

CURRENT SITUATION:

The projected workload at the center will triple in the future, as mandated initiatives in Naval Special Warfare and undersea countermeasures are being developed. These programs will require secure laboratory and computer space, and compartmented workspace, which cannot be provided in existing facilities. Many of the above new and expanded mission requirements require the scientific expertise of many different disciplines, all applied to a single undertaking. Current spatial deficiencies render collocation impossible, requires scientists working on a common problem to work in three separate facilities, and prevents scientific inter-disciplinary dialogues and communication required for development of new ideas, new products and maximum creativity. Current facilities are inadequate, overcrowded, and lack sufficient secure space to accommodate further system expansion from the growth in computer and equipment assets, as well as environmental controls.

IMPACT IF NOT PROVIDED:

Navy's surface ships and submarine forces will continue to operate with less than optimum defenses against threat, mines, sonar, and torpedoes. Emergent mandated research to develop improved mine and torpedo countermeasures systems and equipment cannot be carried out, which effects the product development to be utilized by the Fleet for protection. Proper management, direction, and execution of Naval Special Warfare Research and Development will be in jeopardy, as potential scientific breakthroughs may not be realized or may be substantially delayed because of continued operations in unsecure and inadequate facilities needed for special access programs.

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(250)
(B) ALL OTHER DESIGN COSTS	(125)
(C) TOTAL	375
(D) CONTRACT	(300)
(E) IN-HOUSE	(75)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
COMPUTATION AND ANALYSIS LABORATORY ADDITION	P-301

12. SUPPLEMENTAL DATA: (CONTINUED)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
CME COMPUTER EQUIP W/SOFTWARE	NIF	1991	15,000
ASM COMPUTER EQUIP W/SOFTWARE	NIF	1991	7,000
MK-50 TORPEDO EQUIP	NIF	1991	3,000
LINK PALM COMPUTER	NIF	1991	300
SIGNAL/IMAGE COMPUTER SYS W/SOFTWARE	NIF	1991	1,000
SEETEC COMPUTER W/SOFTWARE	NIF	1991	1,400
CAE DSGN/MANF SYS COMPUTER W/SOFTWARE	NIF	1991	700
VEH/TECH COMP COMPUTER SYS W/SOFTWARE	NIF	1991	500
STAFS COMPUTER SYS	NIF	1991	1,200
PRIME 9955 COMPUTER SYS FOR OTHER MANG SYS	NIF	1991	500
NALCON VAX 11/750 COMPUTER W/SOFTWARE	NIF	1991	350
LAN EQUIP	NIF	1991	300
TEST CONTROL ELNX	NIF	1991	300
		TOTAL	31,550

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR. COST INDEX
NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA	NAVAL FACILITIES ENGINEERING COMMAND	.82

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	10	0	800	0	0	0	0	0	0	810
b. END FY 1995	9	5	800	0	0	0	0	0	0	814

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(272)	
b. INVENTORY TOTAL AS OF 30 SEP 89		69,080
c. AUTHORIZATION NOT YET IN INVENTORY		7,720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,200
g. REMAINING DEFICIENCY		6,950
h. GRAND TOTAL		89,410

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
842.10	WTR & SEWER PIPELINES SEP	LS	3,460	05/89	07/90
	TOTAL		3,460		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 93):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

841.51	POTABLE WATER RESERVOIRS	5,680	GM	2,200

10. MISSION OR MAJOR FUNCTIONS:
Provides public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support, and all other public works logistics support incident thereto, required by the operating forces, dependent activities, and other commands located in the vicinity of the Pensacola Navy Complex.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	2,450
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA	COMMANDANT OF THE MARINE CORPS	.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	131	823	2794	0	125	0	15	72	407	4367
b. END FY 1995	140	872	2895	0	0	0	16	99	254	4276

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,673)	
b. INVENTORY TOTAL AS OF 30 SEP 89		89,890
c. AUTHORIZATION NOT YET IN INVENTORY		11,820
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,360
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,350
f. PLANNED IN NEXT THREE PROGRAM YEARS		650
g. REMAINING DEFICIENCY		750
h. GRAND TOTAL		108,820

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.15	INDUST WST TRMT PLNT IMPVS	LS	1,360	06/89	06/90
	TOTAL		1,360		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
213.59	ABRASIVE BLAST FACILITY	19,600 SF	4,350	-	-
	TOTAL		4,350		
B. MAJOR PLANNED NEXT THREE YEARS:					
740.74	CHILD DEVELOPMENT CENTER	LS	650		

10. MISSION OR MAJOR FUNCTIONS:

Perform the full range of inventory management functions for secondary items to which assigned integrated materiel management responsibility; perform, subsequent to acquisition phase, full range of inventory management functions for principal end items; oversee fielded Marine Corps weapons systems readiness and logistic support; perform cataloging and delegated standardization functions for the Marine Corps; perform all required storage functions in support of on-hand stores materiel; provide fifth echelon depot level maintenance capability for support of nonconsumable items rebuild requirements; provide overflow fourth echelon maintenance capability in support of operating forces nonconsumable item repair requirements; provide a central logistics quality assurance program; conduct formal schools and training, as directed; and perform such other tasks and functions as may be directed by the Commandant of the Marine Corps.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	470
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA	INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896M	831.15	P-605	1,360

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENT	LS	-	-	1,220
TREATMENT FACILITIES	LS	-	-	(730)
SECONDARY CONTAINMENT	LS	-	-	(330)
REPAIR AND REPLACEMENT OF PLANT COMPONENTS	LS	-	-	(160)
SUBTOTAL	-	-	-	1,220
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST	-	-	-	1,280
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,360
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

New influent flow division box, gravity separator, chrome reduction tank, dissolved air flotation tank, mechanical mixing system in existing surge tanks, automatic polymer feed and dosage system; secondary containment tanks with spillage removal piping systems; improvements to existing flow metering, chemical feed pump and motor; repair and replacement of existing plant deteriorated tanks; utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides additional and improved capabilities to remove oils, greases, and settleable solids to improve the industrial wastewater treatment plant efficiency. (Current mission.)

REQUIREMENT:
Adequate facilities to bring the industrial wastewater treatment plant into full compliance with applicable Environmental Protection Agency standards and criteria. Improve effluent standards for metal finishing and the hazardous waste management system.

CURRENT SITUATION:
Wastewaters are received from several industrial and maintenance shops. After various wash and rinses and pumping through separators, concentrated wastes are periodically removed, containerized, and stored in dedicated tanks. Downstream of the surge tanks, wastes are pumped through various tanks with effluent being discharged into the sanitary sewer system. A recent study of the effluent quality found oil and grease carry through into the sewage treatment plant in violation of its National Pollution Discharge Elimination System (NPDES) permit limit.

IMPACT IF NOT PROVIDED:
Present operations will continue, causing periodic effluent quality violations. Unmetered, poorly controlled process operations and structural deterioration of existing tankage will be perpetuated.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENTS	P-605

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	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(55)
(B) ALL OTHER DESIGN COSTS	(25)
(C) TOTAL	80
(D) CONTRACT	(75)
(E) IN-HOUSE	(5)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	COMMANDER IN CHIEF, ATLANTIC FLEET	.98

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	335	4766	1465	0	0	0	2	26	0	6594
b. END FY 1995	528	6535	1475	0	268	0	2	26	0	8834

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(17,000)	
b. INVENTORY TOTAL AS OF 30 SEP 89		457,540
c. AUTHORIZATION NOT YET IN INVENTORY		873,939
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		66,675
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		400
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,530
g. REMAINING DEFICIENCY		6,830
h. GRAND TOTAL		1,415,914

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	73,000	SF	7,230	02/89	09/90
152.10	EXPLOSIVES HNDLG WHARF	LS		56,615	05/89	09/90
421.48	SMALL ORDNANCE MAGAZINE	LS		620	10/88	07/90
171.20	TRIDENT TRAINING FAC ADDNS	13,600	SF	2,210	06/89	05/90
	TOTAL			66,675		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

811.59	GENERATOR TEST ADDN	LS	400	-	-
	TOTAL		400		

B. MAJOR PLANNED NEXT THREE YEARS:

165.10	DIKES	LS	3,000
213.70	FAIRING ALIGNMENT FAC	LS	600
750.30	OUTDOOR POOL & BATH HSE	LS	1,210
721.11	BACHELOR ENLISTED QUARTERS	LS	5,720

10. MISSION OR MAJOR FUNCTIONS:

Provide facilities for refit of POSEIDON and TRIDENT submarines and TRIDENT II (D-5) missile production.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	721.11	P-418	7,230

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	73,000	70.00	5,110
SUPPORTING FACILITIES	-	-	-	1,390
UTILITIES	LS	-	-	(890)
PAVING AND SITE IMPROVEMENT	LS	-	-	(500)
SUBTOTAL	-	-	-	6,500
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST	-	-	-	6,830
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	400
TOTAL REQUEST	-	-	-	7,230
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel-frame dormitory buildings, concrete foundation and floors, masonry walls, composition roof, fire protection system, air conditioning, utilities; 96 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.
Grade Mix: 160 E1-E4. 100 E5-E6. 6 E7-E9. Total: 266.

11. REQUIREMENT: 2,256 PN ADEQUATE: 1,172 PN SUBSTANDARD: 0 PN

PROJECT:
Provides adequate billeting for bachelor enlisted personnel. (New mission.)

REQUIREMENT:
Adequate housing for bachelor enlisted personnel in grades E1-E9. This is the eighth of nine projects programmed to satisfy the deficiency at Kings Bay.

CURRENT SITUATION:
Existing or under construction bachelor enlisted quarters are adequate to accommodate berthing requirements only through 1990. These and follow-on projects have been programmed to match the rate of population build-up at Kings Bay.

IMPACT IF NOT PROVIDED:
Insufficient adequate billeting space will be available to house the bachelor enlisted personnel assigned to Kings Bay. Given the isolation of the region, reasonably priced, suitable rental housing is not abundant on the private economy.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-418

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	02-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	40
(C)	DATE DESIGN 35% COMPLETE	11-89
(D)	DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(155)
(B)	ALL OTHER DESIGN COSTS	(65)
(C)	TOTAL	220
(D)	CONTRACT	(65)
(E)	IN-HOUSE	(155)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	EXPLOSIVES HANDLING WHARF

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	152.10	P-364	56,615

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EXPLOSIVES HANDLING WHARF	LS	-	-	38,120
WHARF AND APPROACH RAMPS	LS	-	-	(16,050)
IN-HAUL WHARF	LS	-	-	(860)
SUPPORT BUILDING	SF	17,400	115.00	(2,000)
SLIP COVER	LS	-	-	(14,300)
BUILT-IN EQUIPMENT (CRANES, BOOMS)	LS	-	-	(4,910)
SUPPORTING FACILITIES	-	-	-	12,790
UTILITIES	LS	-	-	(6,710)
PAVING AND SITE IMPROVEMENT, DREDGING	LS	-	-	(3,770)
DEMOLITION	LS	-	-	(2,310)
SUBTOTAL	-	-	-	50,910
CONTINGENCY (5%)	-	-	-	2,550
TOTAL CONTRACT COST	-	-	-	53,460
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	3,155
TOTAL REQUEST	-	-	-	56,615
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

660-feet long reinforced concrete wharf, pilings, slip cover, two 120-ton bridge cranes and two power utility booms; reinforced concrete in-haul wharf; in-haul system, two-story masonry and concrete building, built-up roof; electrical substation, lightning protection system, fire protection system, air conditioning, utilities; demolition of a portion of the marginal wharf.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides a covered explosives handling wharf. (New mission.)

REQUIREMENT:

Adequate all-weather wharf facilities are essential for berthing OHIO Class submarines during missile loading and off-loading and during special operations. In addition to missiles, these activities include loading and off-loading torpedoes, defensive weapon systems, missile guidance systems, launcher gas generators, and miscellaneous inert components.

CURRENT SITUATION:

Two TRIDENT II explosive handling facilities are required to support a squadron of OHIO Class submarines. One explosive handling wharf is available.

IMPACT IF NOT PROVIDED:

Capability will not be available to service the full squadron of OHIO Class submarines with TRIDENT II missiles. Refit cycles would overlap and be increased in duration, resulting in a decrease of patrol time at sea.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
EXPLOSIVES HANDLING WHARF	P-364

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(1,225)
(B) ALL OTHER DESIGN COSTS	(410)
(C) TOTAL	1,635
(D) CONTRACT	(1,525)
(E) IN-HOUSE	(110)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS.

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	TRIDENT TRAINING FACILITY ADDITIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	171.20	P-414	2,210

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRIDENT TRAINING FACILITY ADDITIONS.	SF	13,600	114.00	1,550
SUPPORTING FACILITIES.	-	-	-	440
UTILITIES.	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(240)
SUBTOTAL	-	-	-	1,990
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,090
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,210
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Single-story concrete and steel frame building additions, concrete foundations and floors with raised decking, metal panel and masonry walls, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 534,600 SF ADEQUATE: 521,000 SF SUBSTANDARD: 0 SF

PROJECT:
Provides two additions to the TRIDENT Training Facility. (New mission.)

REQUIREMENT:
Adequate facilities to train replacement crews and maintain proficiency of off-patrol crews of Atlantic Fleet TRIDENT II submarines.

CURRENT SITUATION:
There is no space in the existing TRIDENT Training Facility to accomplish the required expanded training for the Atlantic Fleet TRIDENT II submarine crews.

IMPACT IF NOT PROVIDED:
The existing overcrowded conditions will adversely affect the quality of training for submarine personnel.

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.	06-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990.	50
(C)	DATE DESIGN 35% COMPLETE	10-89
(D)	DATE DESIGN COMPLETE	05-90

(2) BASIS:

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
TRIDENT TRAINING FACILITY ADDITIONS	P-414

12. SUPPLEMENTAL DATA: (CONTINUED)

(A) STANDARD OR DEFINITIVE DESIGN: YES___NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(105)
(B)	ALL OTHER DESIGN COSTS	(55)
(C)	TOTAL	160
(D)	CONTRACT	(135)
(E)	IN-HOUSE	(25)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	COMMANDANT OF THE MARINE CORPS	1.44

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	60	506	436	0	0	0	712	8204	1852	11770
b. END FY 1995	81	507	369	0	0	0	744	8466	1819	11986

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(33,919)	
b. INVENTORY TOTAL AS OF 30 SEP 89		196,480
c. AUTHORIZATION NOT YET IN INVENTORY		91,770
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,650
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		31,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		26,590
g. REMAINING DEFICIENCY		56,620
h. GRAND TOTAL		405,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
116.15	AIRCRAFT RINSE FACILITY	LS	1,650	05/88	06/89
	TOTAL		1,650		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

211.21	A/C ENGINE MAINT SHOP	29,000 SF	5,100	-	-
113.40	AIRFIELD PVMNT IMPV PH IV	LS	11,000	-	-
740.74	CHILD DEVELOPMENT CENTER	22,000 SF	3,700	-	-
722.10	MESS HALL	42,800 SF	12,100	-	-
	TOTAL		31,900		

B. MAJOR PLANNED NEXT THREE YEARS:

113.40	AIRFLD PAVE IMPV (PH V)	LS	11,000

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and material to support operations of a Marine Brigade, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	5,270
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII	AIRCRAFT RINSE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	116.15	P-541	1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT RINSE FACILITY	LS	-	-	450
SUPPORTING FACILITIES	-	-	-	1,030
ELECTRICAL UTILITIES	LS	-	-	(220)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(610)
SUBTOTAL	-	-	-	1,480
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,550
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Unattended taxi-through treadle-operated freshwater deluge aircraft rinse system, sprinkler system, rinse pad, rinse water holding tank, oil water separator, taxiways, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs an automatic aircraft rinse facility to remove salt and other water-soluble corrosive contaminants from fixed-wing aircraft, specifically the F/A-18A aircraft. (Current mission.)

REQUIREMENT:

Adequate aircraft rinse facilities to remove contaminants from aircraft after low-level operations over saltwater and in a corrosive operational atmosphere. Kaneohe Bay is surrounded on three sides by bodies of saltwater. The salt-laden atmosphere sustains and accelerates corrosion of vital aircraft parts. Rinsing of aircraft after each operation will retard the effects of the corrosive atmosphere.

CURRENT SITUATION:

The activity does not have an aircraft rinse facility. Aircraft must be towed one-half mile to and from a washrack. Present aircraft assignment is 39 fixed-wing and 36 helicopters.

IMPACT IF NOT PROVIDED:

Absence of aircraft rinsing facilities will unnecessarily subject fixed-wing aircraft to corrosive contaminants and the inefficient labor intensive washing procedures will continue indefinitely.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, KANEOHE BAY, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT RINSE FACILITY	P-541

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	05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	08-88
(D) DATE DESIGN COMPLETE	06-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(90)
(B) ALL OTHER DESIGN COSTS	(50)
(C) TOTAL	140
(D) CONTRACT	(110)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL MAGAZINE, LUALUALEI, HAWAII	COMMANDER IN CHIEF, PACIFIC FLEET	1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	14	168	70	0	0	0	0	0	0	252
b. END FY 1995	14	185	70	0	0	0	0	0	0	269

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(12,142)	
b. INVENTORY TOTAL AS OF 30 SEP 89		104,690
c. AUTHORIZATION NOT YET IN INVENTORY		13,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,660
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,500
g. REMAINING DEFICIENCY		44,200
h. GRAND TOTAL		167,670

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
612.30	ELECTR DIST LINES RELOC	LS	1,660	11/88	06/90
	TOTAL		1,660		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

421.72	MISSILE MAGAZINE(SEALANCE)	5,370	SF	2,350
212.30	MSL TEST CELL ADDITION	LS		1,150

10. MISSION OR MAJOR FUNCTIONS:
Receives, transships, maintains, stores and issues ammunition, missiles and explosive ordnance for the military services in Hawaii and the Pacific Ocean area.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	1,840
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL MAGAZINE, LUALUALEI, HAWAII	ELECTRICAL DISTRIBUTION LINES RELOCATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204996N	812.30	P-117	1,660

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION LINES RELOCATION . . .	LS	-	-	1,490
SUBTOTAL	-	-	-	1,490
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,570
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	90
TOTAL REQUEST.	-	-	-	1,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Re-route overhead electrical distribution lines, poles, and underground service laterals.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Relocate electrical distribution lines. (Current mission.)

REQUIREMENT:
Naval Magazine Waikele Branch utilizes 120 tunnel magazines to store explosives. The naval ordnance manual requires that overhead electric power lines be located no closer than 50 feet to buildings containing explosives and pole spacing be such that no portion of the lines can fall on explosive containing buildings in the event of a line break. Electrical service drops to magazines shall be underground for the last 50 feet.

CURRENT SITUATION:
The existing overhead electrical distribution lines are strung over the magazines. The electrical service drops to the magazines are also overhead. An electrical line break can cause the line to fall on the magazine structure. The overhead service and the distribution line, because of their location, are in violation of safety code requirements.

IMPACT IF NOT PROVIDED:
Waiver to use tunnel magazines must continue to be maintained, and the hazards of the overhead electric power lines in the close vicinity will continue. The occurrence of an explosion is a constant threat to life and property.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL MAGAZINE, LUALUALEI, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRICAL DISTRIBUTION LINES RELOCATION	P-117

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	11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(0)
(B) ALL OTHER DESIGN COSTS	(70)
(C) TOTAL	70
(D) CONTRACT	(0)
(E) IN-HOUSE	(70)

(4) CONSTRUCTION START: 02-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR. COST INDEX
COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII	COMMANDER IN CHIEF, PACIFIC FLEET	1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	30	145	20	0	0	0	0	21	0	216
b. END FY 1995	35	159	20	0	0	0	0	21	0	235

7. INVENTORY DATA ($000)

	TENANT OF NS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	1,280
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,780
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	3,500
g. REMAINING DEFICIENCY	2,250
h. GRAND TOTAL	37,310

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	SURTASS SUPPORT CENTER	86,600	SF	12,780	11/88	09/90
	TOTAL			12,780		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
151.20	BERTHING PIER	1,300	FB	17,500	-	-
	TOTAL			17,500		
B. MAJOR PLANNED NEXT THREE YEARS:						
610.10	OCEANOGRAPHIC SYS HDQS MOD	LS		3,500		

10. MISSION OR MAJOR FUNCTIONS:

Conducts oceanographic observations to provide extensive information on conditions in the Pacific Area.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII	SURTASS SUPPORT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204311N	217.10	P-417	12,780

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURTASS SUPPORT CENTER	SF	86,600	-	9,640
BUILDING	SF	86,600	109.00	(9,440)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES	-	-	-	1,790
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(260)
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,070)
SUBTOTAL	-	-	-	11,430
CONTINGENCY (5%)	-	-	-	570
TOTAL CONTRACT COST	-	-	-	12,000
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	780
TOTAL REQUEST	-	-	-	12,780
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Pre-engineered metal frame building, pile foundation, concrete floor, metal roofing and siding, fire protection system, provisions for security alarm system, ventilation and air conditioning, utilities, security fencing and lighting, storage tanks.

11. REQUIREMENT: 86,600 SF ADEQUATE: 0 SF SUBSTANDARD 0 SF

PROJECT:
Constructs Surveillance Towed Array Sensor System (SURTASS) support center on Ford Island. (New mission.)

REQUIREMENT:
Adequate facilities to support fourteen SURTASS ships deployed in the Pacific area by 1993. These ships require servicing through support facilities sufficient to house the maintenance equipment, repair shops, logistic supply storage, and administrative office space for 178 personnel. Laydown area for servicing arrays is also necessary.

CURRENT SITUATION:
The existing facility was originally sited, designed and constructed to support Pacific Ocean surveillance operations for a fleet of six mono-hulled T-AGOS class ships. Additional real estate is not available at existing site to accommodate additional ships.

IMPACT IF NOT PROVIDED:
Adequate facilities will not be available to support and maintain the SURTASS Program. If the ships and systems cannot be maintained the required operating tempo and level of ocean surveillance will not be met.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC. PEARL HARBOR, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
SURTASS SUPPORT CENTER	P-417

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	11-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	55
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(455)
(B) ALL OTHER DESIGN COSTS	(230)
(C) TOTAL	685
(D) CONTRACT	(180)
(E) IN-HOUSE	(505)

(4) CONSTRUCTION START: 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR COST INDEX
NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII	COMMANDER IN CHIEF, PACIFIC FLEET	1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	440	4169	237	32	238	0	21	82	0	5219
b. END FY 1995	476	4708	237	47	324	0	21	82	0	5895

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(123)	
b. INVENTORY TOTAL AS OF 30 SEP 89		76,780
c. AUTHORIZATION NOT YET IN INVENTORY		42,660
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,010
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		55,415
f. PLANNED IN NEXT THREE PROGRAM YEARS		85,780
g. REMAINING DEFICIENCY		33,520
h. GRAND TOTAL		296,165

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	ELEC DIST SYS IMPROVES	LS	2,010	11/88	07/90
	TOTAL		2,010		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
152.20	BERTHING WHARVES	74,120 SF	25,000	-	-
812.40	SECURITY LIGHTING	10,200 LF	415	-	-
213.30	SIMA	LS	30,000	-	-
	TOTAL		55,415		
B. MAJOR PLANNED NEXT THREE YEARS:					
152.20	GENL PURP/BERTHING WHARF	33,600 SF	17,500		
219.10	MAINTENANCE SHOPS & STRG	13,670 SF	2,300		

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate shore facilities for training and experimental operations of the submarine forces; provide logistic support to submarines. Services the Commander, Submarine Forces, US Pacific Fleet and two submarine attack squadrons.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	230
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	812.30	P-114	2,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS. .	LS	-	-	1,800
DISTRIBUTION LINES	LS	-	-	(590)
SUBSTATION	KV	5,500	185.00	(1,020)
SUBSTATION BUILDING.	SF	590	152.00	(90)
CABLE BOOM	LS	-	-	(100)
SUBTOTAL	-	-	-	1,800
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,890
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

12 KV electrical feeder lines, transformer substation additions and transformers, primary switchgear, secondary distribution switchboards, feeder lines, shorepower outlets, cable booms.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Upgrades shore power to berthing wharfs. (Current mission.)

REQUIREMENT:
Sufficient reliable electric power to support testing, repair and maintenance of modern submarines. More repair and intermediate maintenance work will be performed on submarines to extend overhaul intervals. The shore power system must be upgraded to ensure the readiness sustainability of the submarine fleet.

CURRENT SITUATION:
Submarine Berths S10, S11, and S21A are inadequate to service modern submarines. Berth S8 has sufficient capacity to support special testing, however, testing is limited to one submarine at a time. Scheduling of tests is dependent on the availability of berthing at S8 and is often delayed because several submarines may have to be moved and re-berthed. The lack of adequate shore power limits the amount of preparation and minor repair work which can be performed at the Berth.

IMPACT IF NOT PROVIDED:
The lack of adequate shore power will delay submarine testing, repair and maintenance schedules, impacting on maintenance efficiency and operational readiness of the fleet.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	P-114

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	11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(70)
(B) ALL OTHER DESIGN COSTS	(25)
(C) TOTAL	95
(D) CONTRACT	(10)
(E) IN-HOUSE	(85)

(4) CONSTRUCTION START: 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII	NAVAL FACILITIES ENGINEERING COMMAND	1.39

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	14	1	1326	0	0	0	2	0	0	1343
b. END FY 1995	13	0	1326	0	0	0	2	0	0	1341

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,076)	
b. INVENTORY TOTAL AS OF 30 SEP 89		270,960
c. AUTHORIZATION NOT YET IN INVENTORY		36,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,940
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		11,320
f. PLANNED IN NEXT THREE PROGRAM YEARS		15,000
g. REMAINING DEFICIENCY		20,350
h. GRAND TOTAL		361,470

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214.20	AUTO VEHICLE MAINT SHOP	30,810 SF	6,940	04/89	09/90
	TOTAL		6,940		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

811.59	EMERGENCY GENERATOR SYSTEM	LS	1,500	-	-
218.20	PW SHOP FIRE PROTECTION	LS	500	-	-
813.30	SCADA SYSTEM	LS	2,950	-	-
812.30	UTILITY SYSTEMS IMPROVS	LS	6,370	-	-
	TOTAL		11,320		

B. MAJOR PLANNED NEXT THREE YEARS:

812.30	ELEC DISTR SYSTEM IMPVS	679 EA	2,000

10. MISSION OR MAJOR FUNCTIONS:

Provide public works, public utilities, housing, engineering services, shore facilities planning support, and all other public works logistics support incident thereto, required by the operating forces, dependent activities, and other commands located in the vicinity of the Pearl Harbor Naval Complex.

Naval Shipyard
Naval Air Station, Barbers Point
Marine Barracks
Naval Magazine, Lualualei
Naval Submarine Base
Naval Station
Naval Supply Center
Family Housing Areas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	13,840
B: INSTALLATION RESTORATION	10,180
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	1,100

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII	AUTOMOTIVE VEHICLE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	214.20	P-504	6,940

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUTOMOTIVE VEHICLE MAINTENANCE SHOP.	SF	30,810	-	3,550
REPAIR AND MAINTENANCE SHOPS	SF	20,640	134.00	(2,770)
VEHICLE AND EQUIPMENT HOLDING SHED	SF	10,170	59.00	(600)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES.	-	-	-	2,660
ELECTRICAL UTILITIES	LS	-	-	(110)
MEHCANICAL UTILITIES	LS	-	-	(270)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,690)
DEMOLITION AND REMOVAL	LS	-	-	(590)
SUBTOTAL	-	-	-	6,210
CONTINGENCY (5%)	-	-	-	310
TOTAL CONTRACT COST.	-	-	-	6,520
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	420
TOTAL REQUEST.	-	-	-	6,940
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story high-bay steel frame metal buildings, concrete foundations and floors, weight handling equipment, hydraulic lifts, exhaust system, compressed air system, paint spray booth, wash rack, lubrication system, fire protection system, air conditioning, utilities; demolition of five buildings; removal of four underground tanks; relocate one tank.

11. REQUIREMENT: 38,810 SF ADEQUATE: 8,000 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs automotive vehicle and construction and weight handling equipment maintenance shops, supporting administrative space, vehicle and equipment holding shed. (Current mission.)

REQUIREMENT:
Adequate and properly-configured transportation maintenance facilities for efficient work areas, inspection, maintenance and repair of all transportation, construction and weight handling equipment assigned to Pearl Harbor Naval Base.

CURRENT SITUATION:
The transportation maintenance division is currently housed in six wood-frame buildings constructed during World War II. These buildings are functionally inadequate because of age, improper layout, and the lack of modern equipment and fire deterrent systems. All of the buildings are badly deterioriated and termite damaged. The automotive service shop is undersized and lacks necessary hydraulic lifts, underground exhaust systems, overhead bridge cranes to handle the heavier construction equipment items, and other modern built-in equipment. There is no separate area for the construction and weight handling equipment shop or holding shed.

IMPACT IF NOT PROVIDED:
Productivity of the transportation department will continue to be restricted by inadequate facilities and lack of built-in equipment resulting in higher costs and less than optimum service to the fleet and supported customers in Pearl Harbor.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
AUTOMOTIVE VEHICLE MAINTENANCE SHOP	P-504

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	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(370)
(B) ALL OTHER DESIGN COSTS	(280)
(C) TOTAL	650
(D) CONTRACT	(600)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START: 02-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS	CHIEF OF NAVAL EDUCATION AND TRAINING	1.06

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	354	2680	1585	173	17453	0	0	269	0	22514
b. END FY 1995	370	2680	1585	230	16828	0	0	269	0	21962

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(998)	
b. INVENTORY TOTAL AS OF 30 SEP 89		203,780
c. AUTHORIZATION NOT YET IN INVENTORY		37,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,750
f. PLANNED IN NEXT THREE PROGRAM YEARS		43,865
g. REMAINING DEFICIENCY		39,800
h. GRAND TOTAL		331,915

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	FIREMAN APPRENTICE TRG SCH	18,000	SF	2,170	04/89	07/90
	TOTAL			2,170		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

722.10	MESS HALL MODERNIZATION	104,200	SF	4,750	-	-
	TOTAL			4,750		

B. MAJOR PLANNED NEXT THREE YEARS:

721.14	BARRACKS	118,000	SF	13,220
171.35	DIESEL/GAS TURBINE SCH	23,900	SF	3,400
730.10	FIRE STATION	7,300	SF	1,100
171.60	RECRT PROCESSING BLDG	76,510	SF	9,800

10. MISSION OR MAJOR FUNCTIONS:

Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	5,680
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS	FIREMAN APPRENTICE TRAINING SCHOOL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-471	2,170

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIREMAN APPRENTICE TRAINING SCHOOL	SF	18,000	79.00	1,420
SUPPORTING FACILITIES	-	-	-	530
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(80)
DEMOLITION	LS	-	-	(100)
SUBTOTAL	-	-	-	1,950
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,050
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,170
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, masonry walls, concrete foundation and floors, built-up roofing on metal roof deck, fire protection sprinkler system, utilities, air conditioning; demolition of one building.

11. REQUIREMENT: 18,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an instruction building for training Fireman Apprentices. The facility will contain classrooms, laboratories, fire-room and engine-room training spaces. (Current mission.)

REQUIREMENT:

Adequate facilities for the Fireman Apprentice training program. A modern, properly configured training facility to accommodate approximately 5,000 students annually, an increase of about 1000. Firemen and Firemen Apprentices are sailors that operate and maintain ship propulsion systems. A knowledge of engine types, fuels, ignition systems, cooling systems, pumps, engine speed regulator and associated sub-systems is necessary to operate the steam, diesel, gas turbine, and nuclear-powered propulsion systems found on Navy vessels. The Fireman Apprentice Program is offered 26 times per year and lasts 20 days. The average number of students in each session is 145. The major mission of NTC Great Lakes is recruit indoctrination and advanced training of various Navy ratings. In recent years, there has been a gradual shift in emphasis toward the more advanced types of training. This shift is necessary in order to adequately train sailors to maintain and operate advanced weapons, propulsion, electronic and computer systems. Advanced training requires facilities that are equipped with laboratories, engineering mock-ups, computer systems and smaller, more individualized classrooms. The old buildings are designed for recruit training which was for large-size class instruction and less "hands on" training.

CURRENT SITUATION:

The existing facility is a one-story wood frame building constructed in 1943 as an armory. An engineering analysis determined the building is

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS

4. PROJECT TITLE	5. PROJECT NUMBER
FIREMAN APPRENTICE TRAINING SCHOOL	P-471

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
approaching the end of its structural life. It is not properly configured to function as a vocational school. It is presently being used both as Fireman and Seaman school. The present building does not provide sufficient classroom space and the trainees must go to another building for some of the training. The building has required expensive repairs over the years and still is difficult to heat and marginal as a training facility. The building has wooden trusses supporting the wood roof. The lighting is poor and heating systems are inadequate.

IMPACT IF NOT PROVIDED:
Fireman training will continue to be taught in a deteriorated building not designed for advanced training purposes. The quality of instruction will suffer, adversely affecting the ability of the Firemen to learn all that is required to adequately and safely operate the propulsion systems of Navy ships.

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	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(140)
(B) ALL OTHER DESIGN COSTS	(125)
(C) TOTAL	265
(D) CONTRACT	(230)
(E) IN-HOUSE	(35)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR. COST INDEX
NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS	NAVAL FACILITIES ENGINEERING COMMAND	1.06

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	12	0	634	0	0	0	0	0	0	646
b. END FY 1995	13	0	634	0	0	0	0	0	0	647

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(590)	
b. INVENTORY TOTAL AS OF 30 SEP 89		94,160
c. AUTHORIZATION NOT YET IN INVENTORY		1,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,520
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		55,360
h. GRAND TOTAL		163,430

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	ELECT DISTR SYSTEM IMPROVS	LS	1,760	03/89	08/90
871.10	STORM SEWER SYSTEM IMPRVS	LS	700	10/89	08/90
	TOTAL		2,460		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

610.10	FACILITY MAINT CENTER	49,310	SF	3,450	-	-
832.10	SANITARY SEWER UPGRADE	440	MG	6,070	-	-
	TOTAL			9,520		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, dependent activities, and other commands served by the center, including the Naval Training Center, Naval Regional Medical Center, Military Enlistment and Procurement Command, Headquarters, and Department of Defense Housing.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	6,250
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS	ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	812.30	P-538	1,760

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS. .	LS	-	-	1,560
SUBTOTAL	-	-	-	1,580
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,660
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,760
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Separation of high and low voltage cables, concrete manholes, fiber ducts in concrete envelope, direct burial conduit.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides a network of concrete manholes connected by fiber ducts in concrete conduits. (Current mission.)

REQUIREMENT:
Separation of high and low voltage electric power cables to correct code violations. Portions of the electrical distribution system are in violation of the National Electric Code and the Institute of Electrical and Electronics Engineers Standards.

CURRENT SITUATION:
Some low voltage cables such as telephone, television, fire alarm, street lighting, and secondary feeders are in the same manholes as the medium voltage cables. This code violation presents a safety hazard for maintenance personnel entering the manholes and a potential problem of medium voltage feedback through the low voltage cables.

IMPACT IF NOT PROVIDED:
Continual safety hazards and code violations.

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. 03-89
- (B) PERCENT COMPLETE AS OF JANUARY 1990. 50
- (C) DATE DESIGN 35% COMPLETE 07-89

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS	P-538

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(55)
(B) ALL OTHER DESIGN COSTS	(50)
(C) TOTAL	105
(D) CONTRACT	(90)
(E) IN-HOUSE	(15)

(4) CONSTRUCTION START . . . . . 12-90 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	NAVAL SEA SYSTEMS COMMAND	1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	38	198	3951	0	0	0	0	0	0	4187
b. END FY 1995	35	192	3951	0	0	0	0	0	0	4178

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(62,509)	
b. INVENTORY TOTAL AS OF 30 SEP 89		139,120
c. AUTHORIZATION NOT YET IN INVENTORY		19,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		13,520
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		2,250
f. PLANNED IN NEXT THREE PROGRAM YEARS		8,100
g. REMAINING DEFICIENCY		14,010
h. GRAND TOTAL		196,190

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	ELECS COMMS MAINT SHOP	35,000	SF	7,700	06/89	05/90
441.10	MECHANIZED MTRLS MGMT FAC	80,000	SF	4,170	07/89	10/90
216.60	TEST & EVALUATION FAC	2,930	SF	1,650	04/90	10/90
	TOTAL			13,520		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
421.72	MISSILE MAGAZINE ALT	80,340	SF	1,700	07/88	06/89
219.10	PEST CONTROL SHOP	LS		550	-	-
	TOTAL			2,250		
B. MAJOR PLANNED NEXT THREE YEARS:						
217.10	MICROWAVE COMPONENTS	LS		5,900		
212.10	MISSILE MAINTENANCE FAC	17,040	SF	2,200		

10. MISSION OR MAJOR FUNCTIONS:

Provide material, technical and logistics support for ships and equipment, shipboard weapons systems and assigned expendable and nonexpendable ordnance items, including small arms, fire control, anti-submarine warfare, pyrotechnics, electronic warfare, fleet ballistic missile systems, electronic components such as batteries, microwave tubes, missile components, and rotating components (gyros), conventional ammunition, gun systems, and missiles.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	57,730
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	550

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	217.10	P-224	7,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP. .	SF	35,000	-	5,100
BUILDING	SF	35,000	69.00	(2,420)
BUILT-IN EQUIPMENT	LS	-	-	(2,680)
SUPPORTING FACILITIES.	-	-	-	1,810
UTILITIES.	LS	-	-	(1,540)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(270)
SUBTOTAL.	-	-	-	6,910
CONTINGENCY (5%)	-	-	-	350
TOTAL CONTRACT COST.	-	-	-	7,260
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	440
TOTAL REQUEST.	-	-	-	7,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete floor and foundation, single-ply roof with composite decking, concrete spill containment berms, plating waste collection and treatment system; fire protection system, ventilation, electric power substation, utilities; functional areas include sandblasting cells, paint booths, zinc, cadmium, stainless steel passivation, anodizing, and conversion coating process lines, surface preparation, post-treatment machining, drying room, temporary storage, waste treatment equipment control and monitoring room.

11. REQUIREMENT: 35,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs an electronic components finishing facility. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facility for periodically checking, overhauling and subsequent return to the fleet of electronic components for various weapon and guidance systems. Electronic items are tested, inspected, and disassembled; component surfaces are sandblasted, degreased, or cleaned in solvent; and then plated, painted, or finish coated as required. The primary program which this facility will support is the AN/ALQ-99 electronic countermeasures weapons system. The refurbishment of the system is in direct support of the EA-6B program. The EA-6B carrier-based aircraft is the primary tactical jamming aircraft for the Navy and the Marine Corps. Its mission is to provide electronic cover for fighter and bomber squadrons operating in hostile environments. The AN/ALQ-99 is the heart of the electronic countermeasures system of the aircraft and provides active jamming against threats such as early warning systems, tracking radars, search and surveillance radars, fire control systems, and missile guidance systems. Because of the adverse marine environment in which these electronic systems are exposed, the transmitters, exciters, receivers, jammers, and other electronic components must undergo a rigorous corrosion control and refurbishment

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP	P-224

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

program at the station. The proposed facility is vital to the final phases of preparing the electronic items for fleet return or production suitability. This project will allow consolidation, upgrading and expansion of inadequate painting, coating and corrosion control facilities now in use.

CURRENT SITUATION:

The number of electronic component line items produced annually by the activity will increase from 7,700 units currently to over 18,000 units by the early 1990's. This does not include the refurbishment effort of the hardback pods which house the electronic components and are mounted on the EA-6B wings. This refurbishment effort has doubled in recent years because of the procurement of new EA-6B aircraft. The EA-6B aircraft contain a minimum of three AN/ALQ-99 hardback pods which cost $1.2 million each. The present space will not be capable of handling the plating, painting and surface preparation processes required to support the growing work load.

IMPACT IF NOT PROVIDED:

The activity will be unable to satisfy projected fleet demands for electronic items that are vital components in Navy weapons systems. Without corrosion control, the fleet's limited electronic component assets will deteriorate quickly in a marine environment making them less reliable with shorter life expectancy and more costly to maintain.

ADDITIONAL:

Savings generated by this facility will result in an economic payback of less than two years.

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	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(205)
(B) ALL OTHER DESIGN COSTS	(85)
(C) TOTAL	290
(D) CONTRACT	(250)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	MECHANIZED MATERIALS MANAGEMENT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	441.10	P-244	4,170

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MECHANIZED MATERIALS MANAGEMENT FACILITY	SF	80,000	-	2,870
GENERAL WAREHOUSE	SF	80,000	23.00	(1,840)
BUILT-IN EQUIPMENT	LS	-	-	(1,030)
SUPPORTING FACILITIES	-	-	-	870
UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(640)
DEMOLITION	LS	-	-	(150)
SUBTOTAL	-	-	-	3,740
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST	-	-	-	3,930
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,170
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,330)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert high-bay reinforced concrete warehouse to multi-level mechanized warehouse, install super-flat floor topping; provide reinforced concrete second floor, air conditioning inspection and testing areas; loading docks, paving, mechanical room; cranes; sprinkler fire protection system; fire pumps and suction tank; ventilation, utilities; demolition of 27 structures and railroad trackage.

11. REQUIREMENT: 80,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Converts warehouse to an automated materials management facility. Functional areas include high-rise/high density mechanized warehouse; loading and staging, shipping and receiving, preservation and packaging areas. (Current mission.)

REQUIREMENT:

Adequate and properly-configured warehouse facilities for the receipt, issue, tracking, preservation, packaging, storage and shipping of advanced electronic components. These components will include AEGIS microwave tubes, electronic countermeasure systems, and electrochemical power systems such as lithium batteries. High demand items are received at a central supply building by commercial carrier and unloaded. These items are consolidated, repackaged and transferred to Weapons Center operational sites where they are tested and certified as acceptable then returned to the central supply system and made ready for distribution to the Fleet. Over 3,000 deliveries are made monthly to various on-base operational sites. These deliveries travel as far as 6.5 miles to the operational sites. Deliveries result in over 10,000 miles per month of on-base transfers. About 85% of these deliveries are within a mile of the central supply warehouse. A new centralized automated materials management facility will reduce distance traveled by 27% and eliminate multi-handling of material. This will lead to improved productivity and reduce the number of items damaged in shipment.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA

4. PROJECT TITLE	5. PROJECT NUMBER
MECHANIZED MATERIALS MANAGEMENT FACILITY	P-244

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION:

All inert materials are received and shipped from the activity's central supply building which was constructed in 1943. This building is not structurally capable of accommodating automated materials handling equipment. Materials handling systems are needed to process the ever increasing numbers of electronic items now used in a modern Navy. For example, the number of AEGIS microwave tubes handled by Crane is expected to grow from the 4,600 processed in 1987 to 10,000 in 1996, supporting the increased number of AEGIS ships. Efficiency improvements from automation will permit accomplishment of the increasing workload and allow eventual attrition of 12 persons for a cost savings of $376,000 annually. Reliance on the present manual procedure for material movement and inventory control is time consuming and does not provide the means for rapidly making high-priority issues of essential electronic items and components.

IMPACT IF NOT PROVIDED:

Continuation of labor intensive supply operations in an era of declining personnel resources will result in further constrained responsiveness to fleet requirements. Present manual procedures for material movement and inventory control will continue to be performed in a less cost-effective manner.

ADDITIONAL

An economic analysis indicates that the proposed project will generate savings that will result in a payback of less than one year. This amount results from improved operational efficiency, reduced personnel downtime, improved office efficiency, personnel reduction, transportation reduction, and reduced inventory damage. Economic analysis also indicates that conversion of an existing facility is more cost effective than constructing a new facility.

12. SUPPLEMENTAL DATA:

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

(1) STATUS:

(A) DATE DESIGN STARTED	07-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(260)
(B) ALL OTHER DESIGN COSTS	(70)
(C) TOTAL	330
(D) CONTRACT	(300)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA

4. PROJECT TITLE	5. PROJECT NUMBER
MECHANIZED MATERIALS MANAGEMENT FACILITY	P-244

12. SUPPLEMENTAL DATA: (CONTINUED)

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
STORAGE RACKS AND HARDWARE, GUIDED VEHICLES, SYSTEM SOFTWARE.	OPN	1991	1,330
		TOTAL	1,330

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	TEST AND EVALUATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	216.60	P-225	1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TEST & EVALUATION FACILITY	SF	2,930	-	880
BUILDING	SF	2,400	208.00	(500)
TEST CELL	SF	530	150.00	(80)
BUILT-IN EQUIPMENT	LS	-	-	(300)
SUPPORTING FACILITIES	-	-	-	610
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(320)
PAVING AND SITE IMPROVEMENT	LS	-	-	(150)
SUBTOTAL	-	-	-	1,490
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,570
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building, concrete foundation and floor, metal roof, spill containment berms, laboratory and test areas, explosive test cells, furnace control room, high pressure washout equipment; outdoor explosion containment test cell, concrete floor, sand-filled metal panel walls; fire protection system, ventilation, utilities.

11. REQUIREMENT: 2,930 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs facilities for demilitarization of disposable ammunition, explosives, and other dangerous articles. (Current mission.)

REQUIREMENT:
Adequate and properly-configured test and evaluation facilities for development of safe and environmentally acceptable methodology, equipment, and facilities for demilitarization of disposable ammunition, explosives, and other dangerous articles. Disposal processes and facilities must comply with local and U.S. Environmental Protection Agency (EPA) standards before Navy items can be demilitarized. Recent environmental law changes have severely impacted Navy's demilitarization program.

CURRENT SITUATION:
The additional and more rigorous analyses required for processing hazardous wastes cannot be satisfied with present facilities and conditions.

IMPACT IF NOT PROVIDED:
Navy will be unable to comply with environmental regulations, jeopardizing the ability of processing activities to perform their mission.

ADDITIONAL:
An economic analysis has been prepared and indicates a payback of less than one year.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA

4. PROJECT TITLE	5. PROJECT NUMBER
TEST AND EVALUATION FACILITY	P-225

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	04-90
(B) PERCENT COMPLETE AS OF JANUARY 1990	0
(C) DATE DESIGN 35% COMPLETE	07-90
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(90)
(B) ALL OTHER DESIGN COSTS	(85)
(C) TOTAL	175
(D) CONTRACT	(145)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START 08-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR COST INDEX
NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY	NAVAL SEA SYSTEMS COMMAND	.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	6	2	2328	0	0	0	0	0	0	2336
b. END FY 1995	7.	3	2328	0	0	0	0	0	0	2338

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(152)	
b. INVENTORY TOTAL AS OF 30 SEP 89		24,900
c. AUTHORIZATION NOT YET IN INVENTORY		31,740
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,660
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		4,200
h. GRAND TOTAL		66,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
215.20	PHALANX SHOP MODERNIZATION	247,996	SF	5,660	08/89	06/90
	TOTAL			5,660		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Designs, develops, produces, modifies and overhauls intermediate calibar guns, gun barrels, gun mounts, missile motor metal parts, components, spare parts, tools and accessories. The station provides engineering assistance to installing activities and fores afloat. Production engineering is developed and maintained in assigned areas.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	430
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY	PHALANX SHOP MODERNIZATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	215.20	P-215	5,660

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHALANX SHOP MODERNIZATION	SF	248,000	-	5,090
BUILDING MODERNIZATION	SF	248,000	15.00	(3,720)
BUILT-IN EQUIPMENT	LS	-	-	(810)
UTILITIES UPGRADE	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(250)
SUBTOTAL	-	-	-	5,090
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST	-	-	-	5,350
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	310
TOTAL REQUEST	-	-	-	5,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Modify building interior to accommodate additional production support and work areas; renovate and upgrade heating, ventilation, and air conditioning system, insulation, fire protection system; demolition of obsolete facilities.

11. REQUIREMENT: 248,000 SF ADEQUATE: 0 SF SUBSTANDARD: (248,000) SF

PROJECT:
Modernizes, upgrades, and internally expands facilities to support the Mark 15 PHALANX weapon system overhaul effort. (Current mission.)

REQUIREMENT:
Adequate and properly configured facilities to support and accommodate an increasing workload and PHALANX weapon system design change. The PHALANX is the Navy's first all weather automatic controlled gun system providing quick reaction and automatic defense against close-in air and surface sea-skimming cruise missile threats which penetrate the outer defense system.

CURRENT SITUATION:
Present facilities are inadequate in configuration, production and engineering support, modern equipment, and utilities.

IMPACT IF NOT PROVIDED:
Production will continue to be hampered. PHALANX program will continue to operation inefficiently, which ultimately will cause delays in scheduled deliveries to the fleet.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY

4. PROJECT TITLE	5. PROJECT NUMBER
PHALANX SHOP MODERNIZATION	P-215

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	08-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B) ALL OTHER DESIGN COSTS	(150)
(C) TOTAL	450
(D) CONTRACT	(400)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR COST INDEX
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	NAVAL SEA SYSTEMS COMMAND	1.08

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	132	682	7844	0	0	0	321	25	0	9004
b. END FY 1995	104	310	7844	0	0	0	339	203	0	8800

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(297)	
b. INVENTORY TOTAL AS OF 30 SEP 89		164,310
c. AUTHORIZATION NOT YET IN INVENTORY		24,120
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		38,182
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		55,100
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		281,712

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.10	DRY DOCK MODERN & COVER	LS	38,182	09/89	12/90
	TOTAL		38,182		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

890.46	PIER UTILITY UPGRADE	950	LF	28,100
890.46	PIER UTILITY UPGRADE	0	LF	27,000

10. MISSION OR MAJOR FUNCTIONS:
Maintenance and overhaul of modern attack and Fleet Ballistic Missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and drydocking of submarines. Support is also provided for submarine warfare weapon systems. The yard integrates requirements and manages the planning and engineering effort for overhauls of complex submarines.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	DRY DOCK MODERNIZATION AND COVER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702228N	213.10	P-228	38,182

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DRY DOCK MODERNIZATION AND COVER	LS	-	-	32,400
BUILDING	LS	-	-	(5,400)
REMOVABLE COVER	LS	-	-	(13,500)
PERSONNEL MODULES	LS	-	-	(3,400)
UTILITY TUNNELS	LS	-	-	(8,200)
PLATFORM	LS	-	-	(1,100)
BUILT-IN EQUIPMENT	LS	-	-	(800)
SUPPORTING FACILITIES	-	-	-	1,900
UTILITIES	LS	-	-	(1,900)
SUBTOTAL	-	-	-	34,300
CONTINGENCY (5%)	-	-	-	1,720
TOTAL CONTRACT COST	-	-	-	36,020
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	2,162
TOTAL REQUEST	-	-	-	38,182
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete foundation, steel-frame multi-story building; removable cover with steel-frame support system. Reinforced concrete foundation; steel-frame personnel modules; reinforced concrete utility tunnels; reinforced concrete foundation, pre-stressed concrete frame platform; fire protection system, ventilation, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs removable submarine cover (RSC), weather protection, personnel modules, utility tunnels, and permanent overhaul services connections in and adjacent to Dry Dock 2, and a platform and building at the head of the dry dock for machinery, shops, storage, and administrative space. (New mission.)

REQUIREMENT:

Modernize Dry Dock 2 for long-term use in overhaul and repair of nuclear-powered submarines. Complete construction, including testing and set-up cycle of RSC modules, so a scheduled submarine overhaul can begin in October of 1992. Modernized dry dock to be capable of supporting overhauls of current attack submarine classes, plus the new SSN-21 class. Inclose hull of docked submarine in weather-protection to attain controlled work space conditions required for overhaul work, utility connections, hull treatment, access, sandblasting, and environmental compliance. Route utility lines from sources to service connection points along dry dock walls opposite submarine hull connections. Provide support space at dry dock for shops, tools, offices, and personnel comfort facilities including lunchrooms, lockers and showers. Improve productivity by centralizing work, shop, support, and personnel spaces directly at the dry dock under enclosed, weather-protected conditions.

CURRENT SITUATION:

Submarine overhauls are subject to delays caused by weather conditions. Ships in dry dock, workers, materials, and equipment are exposed to the elements, including severe, extended winter conditions. Modern

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE

4. PROJECT TITLE	5. PROJECT NUMBER
DRY DOCK MODERNIZATION AND COVER	P-228

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
submarines require controlled environmental conditions for certain external hull work performed during a segment of an overhaul spent in dry dock, such as sandblasting, and hull coating applications. Utilities are provided to the submarine by a series of temporary connections wherein conduits, hoses, and cables compete for space on the dry dock walls. Workers requiring technical information, tools, guidance, or basic amenities must leave the dry dock and walk to remote buildings, resulting in lost labor, materials, and efficiency.

IMPACT IF NOT PROVIDED:
Open dry dock operations will continue to affect production, employee morale, quality of work, and safety. Workers would need to leave the dry dock throughout the work day to receive technical guidance, consult with foremen or travel to parent shops. Utility services provided to the submarine would be laid on the ground adjoining the dry dock, causing safety hazards, service interruptions, and wasted time.

ADDITIONAL:
Industrial engineering and concept studies performed on the proposed project evaluated alternative technical solutions and concluded that the proposed RSC design and associated dry dock modernization work is feasible, economical, and will yield significant savings.

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	09-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	12-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	

(C) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(1,200)
(B) ALL OTHER DESIGN COSTS	(510)
(C) TOTAL	1,710
(D) CONTRACT	(1,580)
(E) IN-HOUSE	(130)

(4) CONSTRUCTION START: 03-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND	NAVAL MEDICAL COMMAND	1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1332	2181	1620	703	414	0	254	306	0	6810
b. END FY 1995	1332	2161	1620	703	414	0	254	306	0	6810

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NNMC	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,040
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		11,320
f. PLANNED IN NEXT THREE PROGRAM YEARS		8,720
g. REMAINING DEFICIENCY		21,600
h. GRAND TOTAL		50,680

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.12	BACHELOR ENLISTED QUARTERS	101,600 SF	9,040	03/89	09/90
	TOTAL		9,040		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
724.11	BACHELOR OFFICER QUARTERS	104,275 SF	9,600	-	-
842.10	POTABLE LINE REPLACEMENT	LS	1,100	-	-
832.10	SEWAGE LINE REPLACEMENT	LS	620	-	-
	TOTAL		11,320		
B. MAJOR PLANNED NEXT THREE YEARS:					
721.12	BEQ MODERNIZATION	LS	5,020		
730.80	PARKING STRUCTURE	LS	3,700		

10. MISSION OR MAJOR FUNCTIONS:

Ensure assigned naval shore activities are provided resources to carry out their assigned missions; provide a comprehensive range of emergency, outpatient, patient, and inpatient health care services to active duty Navy and Marine Corps personnel and active duty members of other Federal Uniformed Services; direct the overall provision of comprehensive and quality health care services by all assigned activities; ensure all assigned military personnel are both aware of and properly trained for the performance of their assigned contingency and wartime duties; ensure the command and all assigned activities are maintained in a proper state of material and personnel readiness to fulfill their respective wartime and contingency mission plans; conduct graduate and postgraduate education programs for naval medical students and medical department officers.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	721.12	P-912	9,040

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	101,600	-	6,920
BUILDING	SF	78,200	60.00	(4,690)
PARKING GARAGE	SF	23,400	27.00	(630)
BUILT-IN EQUIPMENT	LS	-	-	(1,600)
SUPPORTING FACILITIES	-	-	-	1,200
ELECTRICAL UTILITIES	LS	-	-	(240)
MECHANICAL UTILITIES	LS	-	-	(410)
PAVING AND SITE IMPROVEMENT	LS	-	-	(550)
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	510
TOTAL REQUEST	-	-	-	9,040
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four-story reinforced concrete frame building, concrete foundation and floors, masonry walls, built-up roofing, solar domestic hot water system, fire protection and alarm systems, elevators, air conditioning, utilities, technical operating manuals; 108 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; parking structure
Grade Mix: 72 E1-E4, 180 E5-E6. Total: 252.

11. REQUIREMENT: 1,356 PN ADEQUATE: 871 PN SUBSTANDARD: 0 PN

PROJECT.
Provides adequate billeting for 252 enlisted personnel. (Current mission.)
REQUIREMENT:
Adequate housing for 1,356 bachelor enlisted personnel. These personnel are either assigned to the hospital as staff or are undergoing training.
CURRENT SITUATION:
Existing adequate berthing capacity of 871 includes 724 adequate spaces and 147 spaces in the local community. The total number of adequate spaces is insufficient, resulting in overcrowding. A new construction deficiency of 485 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed
IMPACT IF NOT PROVIDED.
Degrade safety, productivity and training, morale and health of personnel, and Navy's career retention efforts.
ADDITIONAL:
The surrounding community has insufficient housing and cannot satisfy the activity's berthing requirements.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-912

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	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	75
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(0)
(B) ALL OTHER DESIGN COSTS	(140)
(C) TOTAL	140
(D) CONTRACT	(0)
(E) IN-HOUSE	(140)

(4) CONSTRUCTION START: 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND	NAVAL SEA SYSTEMS COMMAND	1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	58	299	2556	67	351	0	26	86	0	3443
b. END FY 1995	60	303	2556	107	736	0	26	86	0	3874

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,410)	
b. INVENTORY TOTAL AS OF 30 SEP 89		147,000
c. AUTHORIZATION NOT YET IN INVENTORY		20,260
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,430
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,420
f. PLANNED IN NEXT THREE PROGRAM YEARS		42,030
g. REMAINING DEFICIENCY		24,700
h. GRAND TOTAL		247,840

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.10	INDUST WSTWTR TRMNT FACS	LS	6,430	01/89	07/90
	TOTAL		6,430		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

832.30	INDUS WSTWTR TRMT FAC-INC2	LS		5,420	-	-
226.65	PROPELLANT & CHEMIC FAC	6,000	SF	2,000	-	-
	TOTAL			7,420		

B. MAJOR PLANNED NEXT THREE YEARS.

310.13	CHEMISTRY LABORATORY	21,600	SF	6,000
226.65	AUTOMATED NITRATION FAC	26,350	SF	22,000
143.60	BULK EXPLOSIVE FACILITY	LS		14,030

10. MISSION OR MAJOR FUNCTIONS:

Provide material and technical support for weapon systems, weapons or components. Maintain and operate facilities for mixing, blending, casting and extruding chemicals, propellants and explosives and for the assembly and test of rocket and missile motors. Conduct research in propellants, explosives and related fields, including producing pilot plant quantities of new chemicals. Repair, rework, and modify fleet returned guided missile propulsion units. Provide logistic support for the Naval Explosive Ordnance Disposal Facility and the Naval School, Explosive Ordnance Disposal.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	5,400
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	NAVAL AIR SYSTEMS COMMAND	1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	561	3166	3725	57	58	0	0	0	0	7567
b. END FY 1995	487	2638	3912	57	58	0	0	0	0	7152

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(7,123)	
b. INVENTORY TOTAL AS OF 30 SEP 89		254,160
c. AUTHORIZATION NOT YET IN INVENTORY		44,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,040
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		15,450
g. REMAINING DEFICIENCY		27,460
h. GRAND TOTAL		350,750

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	SECURITY IMPROVEMENTS	LS		3,010	06/89	04/90
171.20	TEST PILOT SCHOOL	42,000	SF	6,030	08/88	05/90
	TOTAL			9,040		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

441.30	HAZ/FLAMM MATRL STRG FAC	12,860	SF	2,250
311.25	ADVANCED WARFARE FACILITY	83,720	SF	13,200

10. MISSION OR MAJOR FUNCTIONS:

Test and evaluate aircraft and weapon systems, components, and their related equipment for Fleet use. Station also supports tactical support squadrons and the Navy Test Pilot School.

Fleet Air Reconnaissance Squadron VQ-4 (Functions move to Tinker AFB early 1990's.)
Oceanographic Development Squadron VXN-8
Air Test and Evaluation Squadron VX-1
Navy Test Pilot School

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	2,250

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	872.10	P-420	3,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS.	LS	-	-	2,700
CONTROL CENTER MODIFICATIONS, HARDENING. . .	LS	-	-	(490)
SECURITY LIGHTING.	LS	-	-	(190)
SECURITY FENCING, GATES, CHECKPOINTS	LS	-	-	(1,020)
ACCESS CONTROL PAVILIONS	LS	-	-	(570)
UTILITIES.	LS	-	-	(430)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(3,300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Modify alarm control center building; emergency generator; security fencing and lighting; controlled personnel access pavilions, camera mount foundations; utilities; contaminated soil removal.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides upgraded security at this aircraft test and development activity with an "enclave" concept of protection around critical assets by restricting and controlling access. The concept is comprised of a sensored fence and buried line sensors to detect an attempted or actual intrusion. Lighted clear-zones will be watched using closed circuit television. Features to limit vehicle penetration will also be provided. (Current mission.)

REQUIREMENT:

Adequate physical security for critical test and development aircraft, equipment, facilities and personnel. Surveillance of these assets will provide protection and reduce pilferage at the activity and help promote the loss prevention program. Terrorism around the world is on the increase. Targets include US military installations, equipment and personnel. Experiences, such as destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military installations and airfields. Monitoring devices, alarms, lighting and a surveillance control center will greatly improve effectiveness of fencing and will protect valuable assets. Less visible but just as damaging is the threat of espionage of technologies and weapons development. After recent loss of submarine technologies through spies and technology transfers, the Navy has stepped-up its effort to protect important military developments. NATC Patuxent River is the Navy's primary center for aircraft development, test and life-cycle engineering support. All types of existing Navy aircraft are tested here. New radar, electronic warfare and communication systems are tested along with the airframes. New aircraft or existing aircraft scheduled for extensive modifications

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
SECURITY IMPROVEMENTS	P-420

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

are thoroughly tested prior to full scale production. Loss of hardware and computer software or the "eavesdrop" monitoring of tests through espionage would compromise the combat effectiveness of the aircraft and the subsystems. It would also make development of countermeasures by potential enemies much easier. Improved physical security measures is a proven method of greatly reducing the terrorist threat and the loss of technology and military secrets through espionage.

CURRENT SITUATION:

Like most military installations, Patuxent River's primary means of security protection is a perimeter fence and security patrols. In general, once inside the installation, a person has unchallenged access to most assets. Assets are left unattended in dark or poorly lit areas. With these conditions, intruders could do considerable damage to Navy assets with minimal risk of being apprehended. Persons could enter unoccupied buildings and steal hardware or information. "Eavesdroppers" could set up monitoring stations on-base and receive test data through visual and electronic means. The proposed physical security improvements will provide an integrated security system completely encompassing critical assets, with the capability to deter or detect unauthorized intruders seeking entry into sensitive areas.

IMPACT IF NOT PROVIDED:

Access to the base is de facto access to sensitive and classified mission assets and information. Weapons systems, classified test and evaluation data and aviation assets will continue to be vulnerable to compromise or destruction. Loss of this data would enable hostile forces to nullify weapons designs prior to their initial operational capability and devise similar advanced weapons at a greatly reduced cost.

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	06-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	80
(C)	DATE DESIGN 35% COMPLETE	10-89
(D)	DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(130)
(B)	ALL OTHER DESIGN COSTS	(110)
(C)	TOTAL	240
(D)	CONTRACT	(210)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
SECURITY IMPROVEMENTS	P-420

12. SUPPLEMENTAL DATA: (CONTINUED)

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INTRUSION DETECTION SYSTEM, MONITORING EQUIPMENT, ELECTRICAL CABLES, ALARM CONTROL CENTER.	RDT&E	1991	3,300
		TOTAL	3,300

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	TEST PILOT SCHOOL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	171.20	P-427	6,030

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TEST PILOT SCHOOL	SF	42,000	-	4,620
BUILDING	SF	42,000	99.00	(4,160)
BUILT-IN EQUIPMENT	LS	-	-	(460)
SUPPORTING FACILITIES	-	-	-	800
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT	LS	-	-	(430)
SUBTOTAL	-	-	-	5,420
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST	-	-	-	5,690
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	340
TOTAL REQUEST	-	-	-	6,030
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, reinforced concrete spread-foundations, concrete floors, masonry-unit walls with brick facing, built-up roofing on metal decking, computer flooring, elevator, flight simulator space, administration, classrooms, auditorium, laboratories, direct current electric power, energy monitoring and control system, sound attenuation, fire protection system, air conditioning, utilities.

11 REQUIREMENT: 42,000 SF ADEQUATE: 0 SF SUBSTANDARD 0 SF

PROJECT:

Provides a facility for training experienced aviators, flight officers, and engineers to become qualified engineering test pilots, test flight officers, and test project engineers. The facility will have a special radar enclosure on the roof for use by the systems laboratory to teach students radar equipment theory. (Current mission)

REQUIREMENT:

Adequate training facility with appropriate space to accommodate a safe, effective, and modern test pilot school to train personnel for Navy aircraft and associated systems testing. During development, test pilots are used to evaluate aircraft to identify peculiar flight characteristics and handling problems and to test remedies. The training curriculum consists of classroom instruction and actual flying time. New academic classroom and support spaces are required. The classroom instruction covers such topics as physics, aerodynamics, communication theory, aircraft characteristics, electronics theory, optics, and other areas related to aircraft systems and flying. The graduate attains the equivalent of a masters degree in engineering and aerodynamics. The Navy's test pilot school enjoys a world-wide reputation for excellence. Many astronauts and prominent men and women in the aerospace industry are graduates. Trained individuals from this school form the backbone of the Navy's aerospace development, test and evaluation community. The collective contributions to naval aviation of these graduates toward the future success of new aircraft and associated systems development is

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
TEST PILOT SCHOOL	P-427

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

immeasurable. The test pilot's school also provides other Department of Defense agencies and friendly foreign governments similar training opportunities.

CURRENT SITUATION:

The only Navy test pilot school is housed in three second-floor, lean-to areas of a World War II-era aircraft maintenance hangar. Hard work and dedication has seen this school grow to the current personnel strength of 222. This total will grow to 232 by the early 1990's. The students take an intensive eleven month program divided among classroom instruction, study and testing, and flying time. The school staff includes eight academic and 20 flight instructors. The number of assigned aircraft will rise from 33 to 41, a total of 14 different models including helicopters. This school is the only helicopter test pilot's school in the US. Classroom instruction is conducted throughout the year, with the facility occupied continuously during the normal work week and after hours for study. Minor improvements over the years have converted the hangar workshops and office spaces into classrooms, a library, laboratories, and study areas. The spaces lack adequate sound attenuation making it difficult for concentration and study. The conference room is too small to accommodate all the students and staff. The humidity cannot be kept low enough in the technical library to prevent the manuscripts from being damaged. High humidity also causes problems with the computers and simulators in the laboratories. Briefing and debriefing before and after flights is accomplished in the open-bay areas of the hangar where maintenance noise makes hearing difficult. The heating and lighting are bad, making study difficult.

IMPACT IF NOT PROVIDED:

For many years, strenuous efforts have been made to keep pace with aerospace technology and advances in the educational process. But the situation is beyond the point where such advances can be effectively introduced into the existing facility. The school cannot take advantage of recent quantum leaps in technology within its existing facility. The test pilot's school is a unique organization which presents a demanding and exciting educational challenge to all who attend. Failure to provide a new buidling will result in regression towards obsolescent, inferior training, with far reaching adverse effects on naval aviation.

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	08-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	80
(C)	DATE DESIGN 35% COMPLETE	07-89
(D)	DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B)	ALL OTHER DESIGN COSTS	(160)
(C)	TOTAL	460
(D)	CONTRACT	(400)
(E)	IN-HOUSE	(60)

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
TEST PILOT SCHOOL	P-427

12. SUPPLEMENTAL DATA: (CONTINUED)

(4) CONSTRUCTION START. 02-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND	NAVAL MEDICAL COMMAND	1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	52	135	65	0	0	0	0	0	0	252
b. END FY 1995	60	88	53	0	0	0	0	0	0	201

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT OF NATC

b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,510
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	2,510

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AVIAT PHYSIOLOGY TRNG FAC	13,800 SF	2,510	01/89	01/90
	TOTAL		2,510		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To provide general clinical hospitalization for active duty Navy and Marine Corps personnel, active duty members of other armed services, dependents of active duty personnel, and other authorized persons as outlined in current directives. To cooperate with military and civil authorities in matters pertaining to health, sanitation, local disasters, and other emergencies.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND	AVIATION PHYSIOLOGY TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	171.20	P-903	2,510

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION PHYSIOLOGY TRAINING FACILITY.	SF	13,800	-	1,730
BUILDING	SF	13,800	112.00	(1,550)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES.	-	-	-	530
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
SUBTOTAL	-	-	-	2,260
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,370
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	140
TOTAL REQUEST.	-	-	-	2,510
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls, built-up-roof, air conditioning, utilities, fire protection system; specialized training and equipment rooms, instructors offices; relocate ejection seat trainer device; provide specialized equipment support, and technical operating manuals to support training units.

11. REQUIREMENT: 13,800 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs training facility including administrative space, classrooms, low pressure chamber, and ejection seat training devices. (Current mission.)

REQUIREMENT:
Adequate facilities to accommodate aviation physiology and water survival training for Fleet aviation personnel including those at the Naval Air Test Center.

CURRENT SITUATION:
The aviation physiology training department presently occupies only 2,700 square feet of one building. The building is shared by two other major departments of the host installation. The aviation physiology training devices are housed in two rooms which must also accommodate a maintenance area, office spaces, static displays, and storage. Because there is a lack of adequate storage space, some items are stored in the crawl space under a building some distance away leading to equipment deterioration and lack of accountability. The department does not have a dedicated classroom. The building's conference room is used on a shared basis and is not available two full days per week. Students who travel from other activities to receive training spend two days at the facility to get one day's worth of training. It is projected that the training workload will increase by 20% because new aircraft and systems will receive full scale development, test and evaluation at the test center.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION PHYSIOLOGY TRAINING FACILITY	P-903

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:

The department will be unable to comply with training requirements for modular training of aviation life support systems in fixed and rotary wing aircraft. The existing deficiency of adequate training space will result in continued degradation of air crew training in survival techniques and may result in unnecessary loss of life or serious injury.

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	01-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	06-89
(D)	DATE DESIGN COMPLETE	01-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(115)
(B)	ALL OTHER DESIGN COSTS	(145)
(C)	TOTAL	260
(D)	CONTRACT	(230)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL ELECTRONIC SYSTEMS ENGINEERING ACT, ST. INIGOES, MARYLAND	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	1.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	6	45	343	0	0	0	0	0	0	394
b. END FY 1995	4	27	345	0	0	0	0	0	0	376

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(969)	
b. INVENTORY TOTAL AS OF 30 SEP 89		23,010
c. AUTHORIZATION NOT YET IN INVENTORY		2,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,020
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,400
f. PLANNED IN NEXT THREE PROGRAM YEARS		8,820
g. REMAINING DEFICIENCY		13,400
h. GRAND TOTAL		59,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317.25	FACSFAC ELEC SYS INTEG	25,400	SF	4,020	01/89	03/90
	TOTAL			4,020		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

317.25	ELECS SYS INTEGRATION LAB	27,900	SF	6,800	08/87	09/89
831.10	SANITARY WASTEWATER SYSTEM	LS		600	09/88	09/89
	TOTAL			7,400		

B. MAJOR PLANNED NEXT THREE YEARS:

317.25	ACLS INTEGRATED TEST FAC	LS		700
217.77	ELECTRONICS STORAGE FAC	57,560	SF	8,120

10. MISSION OR MAJOR FUNCTIONS:

Performs test and evaluation on electronics systems and equipment; provides technical support and services to users of Navy electronic systems and equipment; integrates electronics systems for new ship types and develops prototype equipment modifications.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL ELECTRONIC SYSTEMS ENGINEERING ACT, ST. INIGOES, MARYLAND	FACSFAC ELECTRONIC SYSTEMS INTEGRATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	317.25	P-723	4,020

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FACSFAC ELECTRONIC SYSTEMS INTEGRATION	SF	25,400	-	2,800
BUILDING	SF	25,400	104.00	(2,640)
BUILT-IN EQUIPMENT	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	810
UTILITIES	LS	-	-	(490)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(320)
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,020
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building, concrete foundation and floors, built-up roof, energy monitoring and control system, fire protection system, air conditioning, utilities; access road.

11. REQUIREMENT: 38,000 SF ADEQUATE: 12,600 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a facility for life-cycle support of the Fleet Area Control and Surveillance Facility (FACSFAC) systems. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to accommodate software and hardware maintenance, repair, software configuration management and problem analysis for the FACSFAC life-cycle support program. Both hardware and software support must be provided to ensure the highest level of technical assistance, to optimize maintenance and logistic activities, and to provide for the software development, modification, and configuration control of all FACSFAC installations. As recommended by Congress, the FACSFACs collaborate with FAA air-traffic-control to provide continuous surveillance and traffic control in those areas where civilian and military aircraft might intermingle, in an effort to avoid mid-air collisions and enhance air safety. Four FACSFACs have been contructed at naval bases in Jacksonville, the Virginia Capes, San Diego, and Oahu to control airspace over large off-shore operating areas. In addition, systems are used for control and surveillance at Key West, Fallon, and Hill Air Force Base in Utah.

CURRENT SITUATION:

The FACSFAC program, with its state-of-the-art equipment and markedly increased number of applications, has greatly increased the current and projected workload. Several new systems which require immediate support have been brought on-line. The present support facility cannot keep pace with current operating systems and the projected seven new systems that will become operational during the 1990's. Dramatic increases in monitoring of air traffic have increased system overloads which

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL ELECTRONIC SYSTEMS ENGINEERING ACT, ST. INIGOES, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
FACSFAC ELECTRONIC SYSTEMS INTEGRATION	P-723

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
jeopardize air traffic safety.

IMPACT IF NOT PROVIDED:
Navy will be unable to provide the software and hardware support to keep the FACSFACs in operation. This could adversely affect national security, as well as air safety over thousands of square miles of coastal and land range warning areas. The same would apply for the other related facilities that have been designated for FACSFAC type support.

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	01-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	90
(C)	DATE DESIGN 35% COMPLETE	08-89
(D)	DATE DESIGN COMPLETE	03-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(200)
(B)	ALL OTHER DESIGN COSTS	(180)
(C)	TOTAL	380
(D)	CONTRACT	(360)
(E)	IN-HOUSE	(20)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL INTELLEGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND	NAVAL INTELLIGENCE COMMAND	1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	16	9	71	0	0	0	0	0	0	96
b. END FY 1995	15	9	71	0	0	0	0	0	0	95

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		114,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		1,000
h. GRAND TOTAL		115,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.65	HEADQUARTERS BLDG-INCR II	920,000 SF	0	01/89	04/90
	TOTAL		0*		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Direct and manage the activities of the Naval Intelligence Command to insure the fulfillment of the intelligence requirements and responsibilities of the Department of the Navy; and to perform such other functions and tasks as may be directed by higher authority.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

*Prior-year authorization.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL INTELLEGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND	HEADQUARTERS BUILDING (INCREMENT II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
N F I P 0301398N	143.65	P-001 A	AUTH: 0* APPR: 55,048

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HEADQUARTERS BUILDING	SF	920,000	-	48,590
BUILDING	SF	587,000	72.00	(42,260)
PARKING STRUCTURE	SF	333,000	19.00	(6,330)
SUPPORTING FACILITIES	-	-	-	53,840
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(45,320)
UTILITIES	LS	-	-	(6,000)
PAVING AND SITE IMPROVEMENT	LS	-	-	(2,520)
SUBTOTAL	-	-	-	102,430
CONTINGENCY (5%)	-	-	-	5,120
TOTAL CONTRACT COST	-	-	-	107,550
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	6,450
SUBTOTAL	-	-	-	114,000
LESS: INCREMENT I FUNDING: FY 1989	-	-	-	- 58,952
TOTAL REQUEST	-	-	-	55,048
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

*Prior-year authorization.

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story reinforced concrete building, pile foundation, sensitive compartmented information facility construction, computer flooring, earth berms from imported fill material, radio frequency shielding, secure raceways for power, communications and data, vehicle barricades, hardened guard structures, air conditioning, special ventilation systems, silver waste recovery, waste neutralization and treatment system, grease removal system, 60 HZ emergency generators, 400 HZ electric power, grounding and lightning protection, independent power house, parking garage, utilities, elevators.

11. REQUIREMENT: 920,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a building with secure and technically supported environment for critical, highly sensitive intelligence gathering services, accommodating approximately 2,230 employees, and a supporting parking facility. (Current mission.)

REQUIREMENT:

The Naval Intelligence Command (NIC) in Suitland, Maryland needs to be centralized to provide necessary functionality and security. Projections indicate an expansion of the command's mission with associated increases in staff and space needs including major requirements for additional data processing equipment space. The existing NIC complex is not designed for expansion.

CURRENT SITUATION:

NIC facilities are currently overcrowded and fragmented leased spaces in several locations. No space exists for expansion or consolidating requirements. The majority of the command is split between leased buildings with additional activities at Crystal City, Chesapeake Beach and a Smithsonian Warehouse.

IMPACT IF NOT PROVIDED:

NIC facilities will remain overcrowded and fragmented with conditions worsening because of staff increases. Costly commercial leased space

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INTELLEGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
HEADQUARTERS BUILDING (INCREMENT II)	P-001

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
will still be required and lease costs will continue to escalate.

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	01-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	04-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(7,700)
(B) ALL OTHER DESIGN COSTS	(3,100)
(C) TOTAL	10,800
(D) CONTRACT	(10,700)
(E) IN-HOUSE	(100)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR. COST INDEX
NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI	CHIEF OF NAVAL EDUCATION AND TRAINING	.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	5	125	20	0	0	0	0	0	0	150
b. END FY 1995	6	149	20	0	0	0	0	0	0	175

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NCBC
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	5,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,710
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	4,700
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	18,660

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	APPLIED INST BLDG	12,560	SF	1,170	06/89	04/90
721.14	BARRACKS	79,000	SF	7,540	12/88	05/90
	TOTAL			8,710		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

171.20	APPLIED INSTRUCTION BLDG	38,380	SF	4,700

10. MISSION OR MAJOR FUNCTIONS:
Train Seabee personnel to prepare for early usefulness in their designated specialties; supplement on-the-job training with advanced and specialized training when such training is more advantageously given in a formal school.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		,, ,,

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI	APPLIED INSTRUCTION BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-716	1,170

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
APPLIED INSTRUCTION BUILDING	SF	12,560	70.00	880
SUPPORTING FACILITIES	-	-	-	170
UTILITIES	LS	-	-	(60)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(110)
SUBTOTAL	-	-	-	1,050
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,100
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	70
TOTAL REQUEST	-	-	-	1,170
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls with brick facing, built-up roof, fire protection system, air conditioning, utilities, demolition of one building.

11. REQUIREMENT: 57,990 SF ADEQUATE: 45,430 SF SUBSTANDARD: 0 SF

PROJECT:
Provides an instruction building. (Current mission.)

REQUIREMENT:
Adequate facilities for training Seabees in the basic and advanced construction electrician skills.

CURRENT SITUATION:
The existing construction electrician's school is located in a 43-year old converted Battalion Headquarter's Building. The facility has undersized classrooms, not permitting proper safety zones or instructor observation areas. Floor loading is approaching unsafe limits. There are no other useable or available facilities to house this function.

IMPACT IF NOT PROVIDED:
The construction electricians will continue to be taught in a deteriorated building, poorly configured for training, and containing many safety hazards. The quality of instruction will suffer, adversely affecting the Seabees ability to support fleet activities.

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. 06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990. 40

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
APPLIED INSTRUCTION BUILDING	P-716

12. SUPPLEMENTAL DATA: (CONTINUED)

(C) DATE DESIGN 35% COMPLETE 11-89
(D) DATE DESIGN COMPLETE 04-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (80)
(B) ALL OTHER DESIGN COSTS . . . . . (60)
(C) TOTAL. 140
(D) CONTRACT . . . . . (110)
(E) IN-HOUSE . . . . . (30)

(4) CONSTRUCTION START. 12-90
(MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI	BARRACKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804731N	721.14	P-723	7,540

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	79,000	76.00	6,000
SUPPORTING FACILITIES	-	-	-	770
UTILITIES	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(580)
SUBTOTAL	-	-	-	6,770
CONTINGENCY (5%)	-	-	-	340
TOTAL CONTRACT COST	-	-	-	7,110
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	430
TOTAL REQUEST	-	-	-	7,540
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Five-story reinforced concrete frame dormitory building, concrete foundation and floors, masonry walls with brick and exposed concrete facing, air conditioning, fire protection and alarm systems, utilities; semi-open-bay living compartments concept; demolition of four buildings.
Grade mix: 492 E1-E4. Total: 492.

11. REQUIREMENT: 492 PN ADEQUATE: 0 PN SUBSTANDARD: 0 PN

PROJECT:
Provides adequate billeting for 492 enlisted personnel. (Current mission.)

REQUIREMENT:
Adequate housing for enlisted "A" school students assigned construction trades training at this center.

CURRENT SITUATION:
All "A" school students are being berthed in four 45-year old wood-frame, inadequate barracks beyond economical repair. A new construction deficiency of 492 adequate billeting spaces exists. This project will satisfy the current projected space deficit.

IMPACT IF NOT PROVIDED:
Continued use of existing barracks will degrade the safety, training, productivity, morale, and health of students. First-term retention rate for personnel attending "A" schools at Gulfport will possibly decline. Loss of one of the existing barracks because of structural failure would seriously hamper the mission of this center.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
BARRACKS	P-723

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	12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(200)
(B) ALL OTHER DESIGN COSTS	(65)
(C) TOTAL	265
(D) CONTRACT	(40)
(E) IN-HOUSE	(225)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL WEAPONS STATION, EARLE, NEW JERSEY	NAVAL SEA SYSTEMS COMMAND	1.11

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	118	1369	675	0	0	0	0	79	0	2241
b. END FY 1995	147	2642	675	0	0	0	0	79	0	3543

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,158)	
b. INVENTORY TOTAL AS OF 30 SEP 89		86,400
c. AUTHORIZATION NOT YET IN INVENTORY		88,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		85,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		20,400
f. PLANNED IN NEXT THREE PROGRAM YEARS		66,230
g. REMAINING DEFICIENCY		10,100
h. GRAND TOTAL		356,780

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151.10	TRESTLES REPL (PHASE I)	LS	85,400	06/89	07/90
	TOTAL		85,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
740.74	CHILD DEVELOPMENT CENTER	8,500 SF	1,200	-	-
151.10	TRESTLES REPL (PHASE II)	LS	19,200	-	-
	TOTAL		20,400		
B. MAJOR PLANNED NEXT THREE YEARS:					
148.25	EXPL TRUCK HOLDING YARD	LS	1,500		
421.72	MISSILE MAGAZINE	8,370 SF	4,000		
421.72	MISSILE MAGAZINES	18,000 SF	7,400		

10. MISSION OR MAJOR FUNCTIONS:

Receive, renovate, maintain, store, and issue ammunition, explosives, expendable ordnance items, weapons, and technical ordnance material. Maintain basic and war reserve ammunition stocks. Act as overseas ammunition transshipment point for Armed Forces. Conduct RDT&E in-service engineering and fleet support for packaging, handling, storage, and transportation of ammunition. Provide logistics and port terminal services in support of homeported ammunition ships.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	39,690
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, EARLE, NEW JERSEY	TRESTLES REPLACEMENT (PHASE I)

5. PROGRAM ELEMENT	6. CATEGORY CODE.	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	151.10	P-949	AUTH: 85,400 APPR: 20,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRESTLES REPLACEMENT	LS	-	-	76,730
STRUCTURES	LS	-	-	(64,160)
RAILROAD TRACKAGE	LF	18,200	306.00	(5,570)
UTILITIES	LS	-	-	(5,000)
DEMOLITION	LS	-	-	(2,000)
SUBTOTAL	-	-	-	76,730
CONTINGENCY (5%)	-	-	-	3,840
TOTAL CONTRACT COST	-	-	-	80,570
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	4,830
TOTAL REQUEST	-	-	-	85,400
FY 1991 APPROPRIATION REQUEST	-	-	-	20,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a reinforced concrete trestle adjacent to existing Trestles 1 and 2; 9,100 feet long, 46 feet wide, on steel piles, two railroad tracks, two-lane roadway, utilities; demolition of existing trestles.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Replaces two trestles extending from the shoreline outward into Sandy Hook Bay to juncture with existing Trestle 4. (Current mission.)

REQUIREMENT:

Trestles built in 1944 show signs of severe structural deterioration and must be replaced for safe access to the offshore piers to accommodate the mission of ordnance loading and homeporting. Ordnance is transported by both truck and railcar over these trestles enroute to and from storage magazines in the inland area of the station. Homeport plan includes berthing three ammunition ships (AE's) and two fast combat support ships (AOE's) which resupply the Atlantic Fleet while underway with ammunition, fuel and other vital provisions. This is the first of three planned phases to totally replace Trestles 1 and 2 from the shore to Trestle 4. Funding for phases II and III will be requested in Fiscal Years 1992 and 1993.

CURRENT SITUATION:

Structural testing and analysis of existing Trestles 1 and 2 show significant areas of deterioration currently, with accelerating deterioration of the concrete deck, caused by freeze-thaw cycles. The remaining life of the concrete deck may be limited to five more freeze-thaw cycles, or about five years. Weight limitations have been placed on trucks and railcars resulting in increased loading times and cost.

IMPACT IF NOT PROVIDED:

The Navy will not have safe access from shore to the pier complex at the end of Trestles 1 and 2 for transport of ammunition, supplies and personnel.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, EARLE, NEW JERSEY

4. PROJECT TITLE	5. PROJECT NUMBER
TRESTLES REPLACEMENT (PHASE I)	P-949

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	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(3,000)
(B) ALL OTHER DESIGN COSTS	(250)
(C) TOTAL	3,250
(D) CONTRACT	(3,000)
(E) IN-HOUSE	(250)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	COMMANDANT OF THE MARINE CORPS	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	243	2556	2358	81	3684	0	1992	27638	1657	40209
b. END FY 1995	514	3082	2376	197	4994	0	1859	27116	1552	41690

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(87,380)	
b. INVENTORY TOTAL AS OF 30 SEP 89		579,760
c. AUTHORIZATION NOT YET IN INVENTORY		140,960
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		29,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		43,800
f. PLANNED IN NEXT THREE PROGRAM YEARS		51,220
g. REMAINING DEFICIENCY		152,590
h. GRAND TOTAL		997,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	ELECS COMMS MAINT SHOPS	26,010	SF	4,120	05/88	07/89
214.53	FIELD MAINTENANCE COMPLEX	210,300	SF	21,000	04/89	05/90
171.20	MECHANICS TRG BDG-INCR III	34,010	SF	4,050	06/88	07/89
	TOTAL			29,170		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
217.10	ELEC COMM MAINT SHOP	8,058	SF	2,000	-	-
911.10	LAND ACQUISITION	52,000	AC	40,000	-	-
124.50	VEHICLE READY FUEL STORAGE	154,000	GA	1,800	-	-
	TOTAL			43,800		
B. MAJOR PLANNED NEXT THREE YEARS:						
171.20	APPLIED INSTRUCTION BLDG	34,730	SF	4,300		
214.51	COMBAT VEH MAINT SHOP	30,960	SF	4,860		

10. MISSION OR MAJOR FUNCTIONS:

Provide housing, training facilities, logistics support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools for other training as directed.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	18,600
B: INSTALLATION RESTORATION	27,020
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	2,000

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	217.10	P-679	4,120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS	SF	26,010	-	2,410
BUILDING	SF	26,010	78.00	(2,030)
BUILT-IN EQUIPMENT	LS	-	-	(300)
TECHNICAL OPERATING MANUALS	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	1,290
ELECTRICAL UTILITIES	LS	-	-	(420)
MECHANICAL UTILITIES	LS	-	-	(630)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	3,700
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST	-	-	-	3,890
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,120
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story and one partial two-story steel reinforced masonry buildings, concrete foundations and floors, built-up roof over rigid insulation on steel decking, roll-up doors, bridge crane and monorail hoists in high-bay area, compressed air, 400 Hz electric power, grounding, radio-frequency shielding, exhaust systems, wash aprons, security fencing, perimeter lighting; access road; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 33,840 SF ADEQUATE: 7,830 SF SUBSTANDARD: 0 SF

PROJECT:
Provides two electronics and communications maintenance facilities. (Current mission).

REQUIREMENT:
Adequate electronics and communications maintenance facilities to support third and fourth echelon maintenance for the Second Maintenance Battalion and first and second echelon maintenance for the Landing Support Battalion. The maintenance battalion performs major maintenance on 1,500 pieces of equipment including mounted radios, cryptographic equipment, and micro-miniature printed circuit boards. In addition, they are responsible for the calibration of all organic electronic and communication gear. Approximately 175 marines are assigned to this unit. The Landing Support Battalion performs first and second echelon maintenance on a variety of equipment including vehicle mounted frequency converters, mine detectors, and related hardware. There are 69 marines assigned to this unit.

CURRENT SITUATION:
The maintenance battalion is currently working in a building which was constructed for a motor transportation battalion in the 1950's. It is not designed or adaptable for optimum electronic communications maintenance operations. The building is inadequate from a health and safety, as well as a sanitation standpoint. High ceilings prevent the facility from maintaining the desired 68 degree temperature necessary for

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS	P-679

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
electronic testing and calibration. Additionally, there is a deficiency of electrical outlets and a lack of adequate storage space. The present facility is located in the Hadnot Point area, over two miles away from the main operational area of French Creek. The Landing Support Battalion is also working out of several masonry and metal buildings constructed in the 1950's which are not conducive to performing electronics and communications maintenance. There is no humidity control for electronic testing and there is a lack of adequate storage for the over 100 types of electronic and communication items being maintained. The building also lacks proper ceiling, door height and bay size, electrical service, lighting, and work areas.

IMPACT IF NOT PROVIDED:
Maintenance work will continue to be performed in scattered inadequate buildings, causing protracted maintenance efforts with a resulting increase in deadlined equipment. The combat readiness posture will be adversely affected.

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	05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	09-88
(D) DATE DESIGN COMPLETE	07-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(180)
(B) ALL OTHER DESIGN COSTS	(100)
(C) TOTAL	280
(D) CONTRACT	(260)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	FIELD MAINTENANCE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	214.53	P-804	21,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIELD MAINTENANCE COMPLEX	SF	210,300	-	16,540
BUILDING	SF	210,300	69.00	(14,510)
BUILT-IN EQUIPMENT	LS	-	-	(1,970)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	-	-	-	2,330
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(120)
ELECTRICAL UTILITIES	LS	-	-	(260)
MECHANICAL UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,710)
SUBTOTAL	-	-	-	18,870
CONTINGENCY (5%)	-	-	-	940
TOTAL CONTRACT COST	-	-	-	19,810
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1,190
TOTAL REQUEST	-	-	-	21,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, pile foundation, engineered fill, concrete floors, membrane roof over insulation, high-bay area with monorails and hoists, bridge crane, dehumidification, compressed dry air system, engine exhaust system, 400 Hz electric power, vehicle lifts, 28V DC electric power, security lighting and fencing, lubrication dispensing, hardened weapons repair area, storage area, fire protection system, air conditioning, ventilation, paint booth, and utilities.

11. REQUIREMENT: 210,300 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a field maintenance shop complex for maintaining and repairing all east coast Fleet Marine Force ground equipment. (Current mission).

REQUIREMENT:

Adequate and properly-configured facilities for the 2d Maintenance Battalion to perform its mission of field maintenance on all East Coast Marine ground equipment including wheeled and tracked vehicles (tanks, light armored vehicles, trucks, etc.), ordnance (small arms, artillery and tank weaponry), heavy construction and materials handling equipment (bulldozers, cranes, etc.), and communications and electronics equipment. The 2d Maintenance Battalion provides field maintenance support for the 2d Marine Division and 2d Force Service Support Group located at Camp Lejeune, NC and the 2d Marine Air Wing elements located at Cherry Point, NC; New River, NC; and Beaufort, SC.

CURRENT SITUATION:

The 2d Maintenance Battalion presently performs field maintenance in four converted warehouses, a 45-year old maintenance depot, and a small metal building. These facilities are scattered throughout the industrial area of Camp Lejeune. Artillery and ordnance maintenance is being performed at several areas within the indicated facilities. Many buildings are physically too small to allow new items of equipment to enter and allow maintenance to be carried on indoors. Staging areas for equipment to be

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
FIELD MAINTENANCE COMPLEX	P-804

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
repaired are also scattered throughout the industrial area. Scattered location of, and makeshift substitute work spaces, cause cumbersome and uncoordinated work efforts severely hampering the mission of this battalion.

IMPACT IF NOT PROVIDED:
Maintenance activities will remain impaired because existing facilities cannot accommodate state-of-the-art items of equipment because of size, density and increased complexity.

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	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(685)
(B) ALL OTHER DESIGN COSTS	(185)
(C) TOTAL	870
(D) CONTRACT	(810)
(E) IN-HOUSE	(60)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	MECHANICS TRAINING BUILDING (INCREMENT III)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.20	P-810	4,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MECHANICS TRAINING BUILDING.	SF	34,010	-	2,670
BUILDING	SF	34,010	72.00	(2,450)
BUILT-IN EQUIPMENT	LS	-	-	(220)
SUPPORTING FACILITIES.	-	-	-	970
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(130)
UTILITIES.	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(240)
SUBTOTAL	-	-	-	3,640
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,820
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	230
TOTAL REQUEST.	-	-	-	4,050
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roof on insulation over metal decking, high-bay area with monorail and hoist, sound attenuation, compressed air, exhaust systems, lift-lube dispensing equipment, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 108,670 SF ADEQUATE: 74,660 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs the third of three increments for applied and academic instruction facilities for the Marine Corps Mechanics School. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities for training military personnel in second, third, and fourth echelon maintenance of Marine Corps motor transport equipment. Both academic and applied instruction will be accomplished in this facility. This is the only formal mechanics school in the Marine Corps, employing 64 full-time instructors and training over 1,580 students annually. It is anticipated the workload will increase as the Field Logistic System is introduced into the Marine Corps. This system is comprised of several sub-systems such as motor transportation, material handling, container and shelter logistics. The Mechanics Training School utilizes the motor transportation sub-system. This project is designed to accommodate the training procedures of the various new motor transport systems developed in recent years, such as the Dragon Wagon and the HumVee's. This facility will also provide training in the repair and organizational maintenance of track and wheeled vehicles.

CURRENT SITUATION:

The existing Mechanics Training School is located in converted 40 year-old storage facilities, messhalls, barracks, and a variety of enclosed metal structures. These facilities are located at least one mile from each other, are functionally obsolete, and too dispersed for

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
MECHANICS TRAINING BUILDING (INCREMENT III)	P-810

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
efficient utilization. Many were built without utilities and plumbing. During the summer, these facilities reach over 100 degrees in the classrooms and laboratories, and during the winter, these buildings are quite uncomfortable. Some of the new type vehicles barely fit inside the existing facilities. There are no other facilities which can be used for this purpose.

IMPACT IF NOT PROVIDED:
Continue training Marine Corps personnel in crowded, inefficient, and inadequate facilities impairing the effectiveness and readiness of the Marine Corps. The inadequacy of school facilities will continue to be aggravated with the introduction of new vehicular equipment into the Marine Corps inventory.

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	06-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	09-88
(D)	DATE DESIGN COMPLETE	07-89

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(135)
(B)	ALL OTHER DESIGN COSTS	(65)
(C)	TOTAL	200
(D)	CONTRACT	(170)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	COMMANDANT OF THE MARINE CORPS	.96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	923	7777	4738	90	85	0	108	309	1258	15288
b. END FY 1995	227	946	5019	107	305	0	1067	7366	1610	16647

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(27,696)	
b. INVENTORY TOTAL AS OF 30 SEP 89		345,930
c. AUTHORIZATION NOT YET IN INVENTORY		111,100
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		13,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,400
f. PLANNED IN NEXT THREE PROGRAM YEARS		24,080
g. REMAINING DEFICIENCY		158,860
h. GRAND TOTAL		670,320

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.71	REGIMENTAL GROUP HEADQTRS	13,190	SF	1,950	12/87	08/90
841.10	WATER TREATMENT FACILITY	LS		12,000	10/88	10/90
	TOTAL			13,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

211.06	MAINT HANGAR RENMOVATION	164,000	SF	4,250	-	-
441.12	ORGANIC STORAGE FACILITY	14,800	SF	1,150	-	-
831.10	WASTEWTR TREAT PLANT IMPRV	7,200	KG	11,000	-	-
	TOTAL			16,400		

B. MAJOR PLANNED NEXT THREE YEARS:

214.51	AUTO ORGANIZATIONAL SHOP	21,110	SF	4,650		
131.15	COMMUNICATIONS CENTER	LS		800		

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and materials to support the operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	33,660
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	300

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	REGIMENTAL GROUP HEADQUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	610.71	P-883	1,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REGIMENTAL GROUP HEADQUARTERS	SF	13,190	-	1,130
OPERATIONS BUILDING	SF	11,630	70.00	(810)
SUPPORT BUILDING	SF	1,560	168.00	(260)
BUILT-IN-EQUIPMENT	LS	-	-	(60)
SUPPORTING FACILITIES	-	-	-	620
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
UTILITIES	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT	LS	-	-	(170)
SUBTOTAL	-	-	-	1,750
CONTINGENCY (5%)	-	-	-	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

Two one-story reinforced concrete and masonry buildings, pile foundations, concrete floors, built-up roof over insulation on metal decking, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 38,230 SF ADEQUATE: 25,040 SF SUBSTANDARD: 0 SF

PROJECT:
Provides operations and training facilities for Marine Wing Support Group 27 (MWSG 27) and Headquarters and Headquarters Squadron 27 (H&HS 27). (Current mission).

REQUIREMENT:
Adequate and properly-configured facilities to house operational support functions for the 2nd Marine Air Wing. MWSG 27 is responsible for operational planning and coordination, logistics oversight and provisioning, personnel management, and all functions attendant to the command and control of an aviation ground support organization and five subordinate squadrons. H&HS 27 provides administrative, selected maintenance and supply support for assigned units of MWSG 27.

CURRENT SITUATION:
MWSG 27 and H&HS 27 are presently housed in leased trailers lacking toilet facilities, adequate operations and training space, and cannot accommodate electrical and telephone system development which would enhance command and control.

IMPACT IF NOT PROVIDED:
Continued utilization of trailers precludes the efficient functioning of the largest group in the 2nd Marine Aircraft Wing.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
REGIMENTAL GROUP HEADQUARTERS	P-883

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	12-87
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	06-88
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(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	(120)
(E) IN-HOUSE	(10)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	WATER TREATMENT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	841.10	P-017	12,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER TREATMENT FACILITY	LS	-	-	9,760
BUILDINGS	SF	31,570	72.00	(2,270)
WELLS	LS	-	-	(440)
BUILT-IN-EQUIPMENT	LS	-	-	(6,900)
TECHNICAL OPERATING MANUALS	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	1,020
UTILITIES	LS	-	-	(450)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(570)
SUBTOTAL	-	-	-	10,780
CONTINGENCY (5%)	-	-	-	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

One two-story and one one-story reinforced concrete and masonry buildings, pile foundations, concrete floors, membrane roofs on insulation over metal decking, high-bay area with cranes and hoists, ventilation, air conditioning, fire protection systems, emergency electric power generators, utilities; treatment tanks, clearwell, water supply wells, storage; demolition of one building.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Constructs a water treatment facility to accommodate increased demand and provide more effective operation. (Current mission).

REQUIREMENT:
An adequate water treatment plant producing sufficient quantities of potable water for domestic and industrial use without interruption.

CURRENT SITUATION:
The capacity of the existing water treatment plant is 4.5 million gallons per day. Current average demand is at capacity and peak demand exceeds capacity at certain times. The maximum filtration rate allowed by law is currently being exceeded on a daily basis by many of the filters.

IMPACT IF NOT PROVIDED:
The expected increased loading with additional station facilities cannot be accommodated. Frequent interruptions of water service will become commonplace.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
WATER TREATMENT FACILITY	P-017

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	10-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(500)
(B) ALL OTHER DESIGN COSTS	(740)
(C) TOTAL	1,240
(D) CONTRACT	(1,220)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	1.02

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	70	229	2651	0	0	0	30	35	0	3015
b. END FY 1995	76	234	2651	0	0	0	30	42	0	3033

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(921)	
b. INVENTORY TOTAL AS OF 30 SEP 89		59,660
c. AUTHORIZATION NOT YET IN INVENTORY		1,840
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,770
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,100
g. REMAINING DEFICIENCY		32,130
h. GRAND TOTAL		109,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.15	A/C TECHNOLOGIES LAB	65,000	SF	10,770	04/89	06/90
	TOTAL			10,770		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

311.15	INTG NAVIGATION LAB	LS		5,100

10. MISSION OR MAJOR FUNCTIONS:

This center is the primcipal Navy RDT&E Center for aircraft systems. It exercises the primary in-house research and development capability for aircraft systems simulation; airborne search and rescue; inertial navigation technology; air vehicle technology in structures, materials, flight control; airborne anti-submarine warfare systems; aircraft support systems, cost methodology and logistics; and aerospace medicine and aviation physiology. In addition, the center develops and integrates airborne systems for electronic surveillance and countermeasures, communications, navigation, information processing and display, and environmental sensing (electromagnetic/magnetic), acoustic, electro-optical, and photographic.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	1,050
B:	INSTALLATION RESTORATION	13,500
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA	AIRCRAFT TECHNOLOGIES LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	310.15	P-163	10,770

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT TECHNOLOGIES LABORATORY	SF	65,000	128.00	8,320
SUPPORTING FACILITIES	-	-	-	1,360
ELECTRICAL UTILITIES	LS	-	-	(680)
MECHANICAL UTILITIES	LS	-	-	(540)
PAVING AND SITE IMPROVEMENT	LS	-	-	(140)
SUBTOTAL	-	-	-	9,680
CONTINGENCY (5%)	-	-	-	480
TOTAL CONTRACT COST	-	-	-	10,160
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	610
TOTAL REQUEST	-	-	-	10,770
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,940)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story building, structural frame and curtain wall construction, concrete foundation and floors, built-up roof, laboratories, test facilities, engineering offices, special ventilation and exhaust systems for safety and pollution control, interstitial mechanical floors, noise isolation and attenuation, hazardous material storage capability, explosion-proof fixtures, fragmentation shielding, blow-out panels in some laboratory and test areas, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 65,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a consolidated and integrated RDT&E laboratory for naval aircraft materials technology. (Current mission).

REQUIREMENT:

State-of-the-art laboratory for the development of materials which exhibit protective or damage tolerant characteristics for naval aircraft threats needing a high temperature radar absorbing material (RAM) and a radar absorbing structure (RAS), including hardened materials for countermeasures to high energy lasers and work on high temperature propulsion systems alloys (high-strength aluminum). The center is the lead laboratory in the area of structural organic matrix composites. This material has been used in developing the lightweight stiffness in critical materials for application in the F-18 and AV-8B aircraft. The materials research efforts include developing an environmental data base and synthesizing new repair resins for fleet use, as well structures research efforts in structural design, full scale testing, and structural repair techniques of composites. Other RDT&E efforts are devoted to development and validation of full scale components, structural design practices and design criteria providing the technical base necessary for the application of composite structures to emerging Navy aircraft weapons systems being developed in classified programs. To assure security for the composite material research efforts for classified programs, a secure

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT TECHNOLOGIES LABORATORY	P-163

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

area must be provided for this work. The need for modern facilities for conducting scientific work in new technology areas coupled with lack of space to accommodate expanding program requirements including the presence of numerous health, safety, explosion, fire, laser light and noise hazards supports the necessity for the proposed project.

CURRENT SITUATION:

The forty-two existing dispersed laboratory and test areas are inadequate for emerging technology, where present spaces are congested and severely limit critical research and development efforts. These laboratory and engineering spaces, while housed in two main RDT&E buildings at the Center, were originally allocated when workload performed did not interfere with other priority research activities. Over the ensuing years, other mission requirements, personnel, scientific equipment, computers, and laboratories have expanded and occupied surrounding spaces. The existing facility which has become people intensive also has made expansion of Materials and Structures Laboratory areas impossible.

IMPACT IF NOT PROVIDED:

Continued operations in scattered inadequate research spaces that will severely impact the Navy's ability to counteract the air warfare threats of the 1990's and beyond. R&D efforts on the development of coatings for carbon-composites, laser resistant materials, and advances in radar absorbing materials will not be realized.

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	04-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	45
(C) DATE DESIGN 35% COMPLETE	09-39
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(690)
(B) ALL OTHER DESIGN COSTS	(630)
(C) TOTAL	1,320
(D) CONTRACT	(1,220)
(E) IN-HOUSE	(100)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
HIGH TEMPERATURE AUTOCLAVE	NIF	1990	820
HIGH TEMPERATURE COATING EQUIPMENT	NIF	1990	290
ULTRASTRUCTURES LABORATORY EQUIPMENT	NIF	1990	830
		TOTAL	1,940

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND	CHIEF OF NAVAL EDUCATION AND TRAINING	1.16

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	774	3507	4076	1200	900	0	5	145	0	10607
b. END FY 1995	770	3455	4076	1200	900	0	7	125	0	10533

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,200)	
b. INVENTORY TOTAL AS OF 30 SEP 89		155,180
c. AUTHORIZATION NOT YET IN INVENTORY		50,170
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,230
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		28,205
g. REMAINING DEFICIENCY		65,670
h. GRAND TOTAL		308,955

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
822.12	STEAM DISTR SYSTEM UPGRADE	LS	6,230	04/89	08/90
	TOTAL		6,230		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

813.20	ELEC DIST SYS UPGRD-PH II	LS	3,500	-	-
	TOTAL		3,500		

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	ADMINISTRATIVE OFFICE	35,660	SF	5,200
721.11	BACHELOR ENLISTED QUARTERS	56,240	SF	6,300
730.15	BRIG	31,330	SF	5,910
740.74	CHILD DEVELOPMENT CENTER	11,850	SF	2,100

10. MISSION OR MAJOR FUNCTIONS:

Administer schools which provide a source from which qualified commissioned and warrant officers may be prepared for military service, and train Navy enlisted and foreign officer candidates.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	90
B:	INSTALLATION RESTORATION	31,210
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND	STEAM DISTRIBUTION SYSTEM UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	822.12	P-146	6,230

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STEAM DISTRIBUTION SYSTEM UPGRADE.	LS	-	-	4,840
SUPPORTING FACILITIES.	-	-	-	760
PAVING AND SITE IMPROVEMENT.	LS	-	-	(610)
ASBESTOS REMOVAL	LS	-	-	(150)
SUBTOTAL	-	-	-	5,600
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST.	-	-	-	5,880
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	350
TOTAL REQUEST.	-	-	-	6,230
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install steam distribution and condensate return lines providing loop system; repair or replace existing piping as required; install two condensate pumping stations; upgrade thermal insulation on 24,600 lineal feet of existing steam distribution pipe and 11,050 lineal feet of existing condensate pipe; install nine steam and condensate flow meters; asbestos removal.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Installs steam distribution and condensate return lines, condensate pumping stations, thermal insulation, and flow meters. (Current mission.)

REQUIREMENT:
Adequate steam distribution system to correct existing deficiencies in the steam heating system, improve system efficiency through reduced heat loss, and provide more reliable and efficient building heat.

CURRENT SITUATION:
Building heat is presently provided from boiler plants, and manpower limitations allow the operation of only one plant. Certain areas of the base are served from a radial distribution system subject to an unnecessarily high risk of shutdown. Heat losses from the steam distribution piping are currently excessive because of inadequate insulation.

IMPACT IF NOT PROVIDED:
The steam distribution system will have a continued risk of major outages, lack of reliability, and a high operating cost. Planned savings of fuel oil will not be attained.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND

4. PROJECT TITLE	5. PROJECT NUMBER
STEAM DISTRIBUTION SYSTEM UPGRADE	P-146

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	04-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	50
(C)	DATE DESIGN 35% COMPLETE	10-89
(D)	DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(180)
(B)	ALL OTHER DESIGN COSTS	(205)
(C)	TOTAL	385
(D)	CONTRACT	(335)
(E)	IN-HOUSE	(50)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		** **

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	COMMANDANT OF THE MARINE CORPS	.93

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	56	373	484	0	33	0	264	2783	265	4258
b. END FY 1995	64	389	455	0	80	0	318	2694	146	4146

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(10,558)	
b. INVENTORY TOTAL AS OF 30 SEP 89		109,870
c. AUTHORIZATION NOT YET IN INVENTORY		9,910
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,200
g. REMAINING DEFICIENCY		7,160
h. GRAND TOTAL		157,340

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	72,410	SF	6,700	06/86	03/90
	TOTAL			6,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
141.70	AIR TRAFFIC CTRL TOWER	9,980	SF	2,600	-	-
721.12	BACH ENLISTD QTRS PH II	72,410	SF	6,900	-	-
	TOTAL			9,500		
B. MAJOR PLANNED NEXT THREE YEARS:						
721.11	BEQ (PHASE III)	93,480	SF	8,900		
211.10	ACFT ACOUSTICAL ENCL	LS		5,300		

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities to support flight operations; operation and maintenance of assigned aircraft; and provide services and material to support operations of a Marine Aircraft Wing and/or units thereof; and other activities and units as designated by the Commandant of the Marine Corps, in coordination with the Chief of Naval Operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	70
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	721.11	P-366	6,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	74,800	70.00	5,240
SUPPORTING FACILITIES	-	-	-	780
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(320)
UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(210)
SUBTOTAL	-	-	-	6,020
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST	-	-	-	6,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	380
TOTAL REQUEST	-	-	-	6,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story masonry load-bearing wall building, pile foundation, concrete floors, built-up roof, fire protection system, sound attenuation, air conditioning, utilities; 94 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of one building. Grade mix: 264 E1-E4, 48 E5, 4 E6-E9. Total: 316.

11. REQUIREMENT: 1,529 PN ADEQUATE: 590 PN SUBSTANDARD: 0 PN

PROJECT:
Provides adequate billeting for 316 enlisted personnel. (Current mission.)

REQUIREMENT:
Adequate living quarters for enlisted personnel in grades E1-E9 assigned to this air station as permanent support.

CURRENT SITUATION:
Sixty-three percent of the 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.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-366

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	06-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	03-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(210)
(B) ALL OTHER DESIGN COSTS	(40)
(C) TOTAL	250
(D) CONTRACT	(40)
(E) IN-HOUSE	(210)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		** **

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, CHARLESTON, SOUTH CAROLINA	COMMANDER IN CHIEF, ATLANTIC FLEET	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1826	18269	500	0	0	0	106	538	0	21239
b. END FY 1995	1575	16527	500	0	0	0	112	611	0	19325

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NB	
b. INVENTORY TOTAL AS OF 30 SEP 89		123,460
c. AUTHORIZATION NOT YET IN INVENTORY		15,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		720
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		90,760
f. PLANNED IN NEXT THREE PROGRAM YEARS		107,750
g. REMAINING DEFICIENCY		91,480
h. GRAND TOTAL		429,720

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	PASS OFFICE ADDITION	LS	720	04/89	07/89
	TOTAL		720		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

213.58	BOAT SHOP	10,100 SF	1,500	10/88	09/89
690.30	CLASSIFIED DESTRUCTION FAC	LS	430	-	-
730.10	FIRE STATION	LS	830	-	-
151.20	SUBMARINE BERTHING	LS	88,000	-	-
	TOTAL		90,760		

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACHELOR ENLISTED QUARTERS	129,080 SF	15,400		

10. MISSION OR MAJOR FUNCTIONS:

The station piers are homeport to approximately 47 Atlantic Fleet ships, including destroyers and frigates, attack submarines and support ships. The station hosts the Mine Warfare Command, Reserve Mine Squadron, and Shore Intermediate Maintenance Activity, and supports the adjacent shipyard.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	40
B: INSTALLATION RESTORATION	0
C:. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	NAVAL SEA SYSTEMS COMMAND	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	175	2436	1087	80	320	0	9	27	0	4134
b. END FY 1995	188	2760	1184	208	736	0	19	47	0	5142

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(17,494)	
b. INVENTORY TOTAL AS OF 30 SEP 89		177,460
c. AUTHORIZATION NOT YET IN INVENTORY		51,150
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		27,030
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		23,240
f. PLANNED IN NEXT THREE PROGRAM YEARS		46,720
g. REMAINING DEFICIENCY		40,580
h. GRAND TOTAL		366,180

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.72	MISSILE MAGAZINE	9,600	SF	1,910	03/89	06/90
159.64	PROPULSION TRNG FACILITY	LS		25,120	05/89	06/90
	TOTAL			27,030		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

860.20	BARRICADED RAILRD SIDINGS	LS		11,500	11/88	01/90
421.22	HIGH EXPLOSIVE MAGAZINE	5,480	SF	2,100	-	-
216.40	SEALANCE MISSL MAINT FAC	31,100	SF	7,640	11/88	01/90
421.72	TOMAHAWK MISSILE MAGAZINES	9,600	SF	2,000	-	-
	TOTAL			23,240		

B. MAJOR PLANNED NEXT THREE YEARS:

843.10	FIRE PROTECTION PIPELINE	LS		720		

10. MISSION OR MAJOR FUNCTIONS:

Receive, reissued, and maintain guided missiles, anti-submarine weapons conventional ammunition, and operate and maintain a family housing complex with community support facilities.
Provide logistic and port terminal services in support of two ammunition ships (AE), one SSBN tender (AS), one floating dry dock (ARDM) and two moored training ships. POMFLANT Charleston.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	1,600
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	MISSILE MAGAZINE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702031N	421.72	P-784	1,910

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE MAGAZINE	SF	9,600	110.00	1,060
SUPPORTING FACILITIES	-	-	-	650
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(300)
UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL	-	-	-	1,710
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,800
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,910
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-earth covered reinforced concrete five-bay magazine, reinforced concrete floor on pile foundation, 25-foot wide hardened doors, loading dock, security lighting, lightning protection, loading apron, access road, fire protection and alarm system, provision for intrusion detection system, utilities.

11. REQUIREMENT: 27,600 SF ADEQUATE: 18,000 SF SUBSTANDARD: 0 SF

PROJECT:
Provides one magazine for TOMAHAWK missiles. (Current mission).

REQUIREMENT:
Adequate storage for TOMAHAWK cruise missiles including the proper level of environmental and security protection. This station is tasked with processing TOMAHAWK missiles starting in 1989 to include contractor delivery, maintenance, issue, fleet return and shipment operations. The missiles are normally stored in their shipping containers in an "All-Up-Round" configuration. Requirement for one magazine is based on projected workload and procurement schedules. Additional magazines will be requested in the future, based on the growing TOMAHAWK inventory needed to support the fleet at Charleston.

CURRENT SITUATION:
No existing magazines are available for storage of TOMAHAWK missiles at Charleston because of support to ammunition ships homeported and the increasing numbers of off-loads and on-loads for combatants. The liquid fueled TOMAHAWK is not compatible for storage with other weapon systems, making it necessary to have a separate dedicated magazine. Prior to completion of this magazine, temporary storage of the missiles will be in truck holding areas resulting in reduced security and environmental protection.

IMPACT IF NOT PROVIDED:
Insufficient storage for TOMAHAWK weapons could affect readiness and security of missiles and result in increased maintenance requirements.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE MAGAZINE	P-784

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	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(60)
(B) ALL OTHER DESIGN COSTS	(20)
(C) TOTAL	80
(D) CONTRACT	(10)
(E) IN-HOUSE	(70)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	PROPULSION TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	159.64	P-869	25,120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROPULSION TRAINING FACILITY	LS	-	-	15,080
BUILDING	SF	79,000	86.00	(6,790)
PIER	LS	-	-	(2,490)
SPECIAL MARINE MOORINGS	LS	-	-	(1,300)
BUILT-IN EQUIPMENT	LS	-	-	(4,500)
SUPPORTING FACILITIES	-	-	-	7,490
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(2,540)
ELECTRICAL UTILITIES	LS	-	-	(1,820)
MECHANICAL UTILITIES	LS	-	-	(330)
PAVING AND SITE IMPROVEMENT, DREDGING	LS	-	-	(2,800)
SUBTOTAL	-	-	-	22,570
CONTINGENCY (5%)	-	-	-	1,130
TOTAL CONTRACT COST	-	-	-	23,700
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	1,420
TOTAL REQUEST	-	-	-	25,120
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(220,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story building, high-bay area, concrete floors, pile foundations, high-strength concrete walls, built-up roof, classrooms, radiological systems and work areas, fire protection system, air conditioning, utilities; 35-feet wide berthing pier and 28-feet wide approach pier each 300-feet long, expansion of existing berthing pier to 35-feet wide, reinforced concrete pier deck on prestressed concrete piling and concrete caps; mooring systems; fire protection system, dredging, roads, parking.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides facilities to accommodate a second moored training ship (MTS) and associated students, staff, and support facilities for training naval nuclear propulsion plant operators. (Current mission).

REQUIREMENT:

The second MTS and supporting facilities are required to meet fleet needs for trained and qualified nuclear propulsion plant operators. Such needs cannot be accommodated by available Department of Energy reactor plant prototypes and the first MTS.

CURRENT SITUATION:

No alternate facilities are available to support the second MTS. The planned site at this station is the optimal site considering security, safety and accessibility requirements, as well as efficiencies gained by operating the first and second MTS at the same site.

IMPACT IF NOT PROVIDED:

The Navy could not meet fleet needs for properly trained and qualified reactor plant operators required for manning nuclear powered ships. The nuclear powered fleet comprises over 40 percent of the Navy's combatants and the entire sea-going arm of U.S. strategic forces.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
PROPULSION TRAINING FACILITY	P-869

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(1,000)
(B) ALL OTHER DESIGN COSTS	(700)
(C) TOTAL	1,700
(D) CONTRACT	(1,500)
(E) IN-HOUSE	(200)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
CONVERSION OF SSBN TO MTS	SCN	1990	220,000
		TOTAL	220,000

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		** **

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA	COMMANDANT OF THE MARINE CORPS	.93

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	214	1847	721	0	4680	0	0	0	0	7462
b. END FY 1995	310	2023	762	0	5120	0	0	0	0	8215

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,080)	
b. INVENTORY TOTAL AS OF 30 SEP 89		112,980
c. AUTHORIZATION NOT YET IN INVENTORY		4,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,410
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,300
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		39,230
h. GRAND TOTAL		167,540

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.42	CLOTHING ISSUE BUILDING	35,600	SF	3,410	05/89	06/90
	TOTAL			3,410		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

610.72	BATTALION OPS CENTER	15,390	SF	2,200	-	-
179.55	COMBAT TRNG POOL/TANK	LS		3,900	-	-
730.20	SECURITY HEADQUARTERS	6,510	SF	1,200	-	-
	TOTAL			7,300		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To exercise operational control of enlisted recruiting operations in the 1st, 4th, and 6th Marine Districts through screening, evaluation, verification, and field supervision; to provide guidance and direction on quality control matters for all east coast enlisted accessions in accordance with standards established by CMC; to provide reception processing and recruit training for enlisted personnel upon their initial entry into the Marine Corps; to provide training of recruits; to conduct schools as directed; to provide rifle and pistol marksmanship training for Marines stationed in the southeast and for personnel of other services as requested; and to conduct training for reserve Marines as directed.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	150
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA	CLOTHING ISSUE BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796M	730.42	P-118	3,410

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CLOTHING ISSUE BUILDING.	SF	35,600	75.00	2,670
SUPPORTING FACILITIES.	-	-	-	400
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(110)
UTILITIES.	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(220)
SUBTOTAL	-	-	-	3,070
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,220
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	190
TOTAL REQUEST.	-	-	-	3,410
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, concrete foundation and floors, engineered fill, masonry walls, single ply roof; staging area; includes space for uniform issue, fitting and marking, alterations, back-up and storage, cash sales, office, and mechanical equipment; fire protection system, air conditioning, utilities.

11. REQUIREMENT: 37,400 SF ADEQUATE: 1,800 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a clothing issue facility. (Current mission.)

REQUIREMENT:

Adequate and properly-configured facility to accommodate functions necessary to alter uniforms for recruit issue and to conduct uniform cash sales to permanent personnel. The recruit uniform issue area must be able to accommodate a 320-man recruit series, and this same requirement exists for the fitting and marking areas. The alteration shop requires an area to support a work force of 55 employees. The cash sales area will service more than 2,500 permanent personnel at Parris Island, and 360 Marines from the Marine Barracks, Charleston. The on-board recruit population varies seasonably between 3,500 and 9,000 people.

CURRENT SITUATION:

Uniforms for recruits and permanent personnel are issued, sold, fitted, and altered in two inadequate, metal buildings. These buildings were constructed in 1952 as warehouses and are virtually uninsulated. Both are cold, and waste heat in the winter, and are unbearably hot in the summer, with temperatures sometimes exceeding 112 degrees F. The design, materials, and construction of these buildings prevent any economical alterations to make them adequate.

IMPACT IF NOT PROVIDED:

Uniforms will continue to be issued and sold in sheet metal warehouses which waste energy, are hot and humid in summer, cold and damp in winter, and have already outlived their useful life expectancy.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
CLOTHING ISSUE BUILDING	P-118

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	05-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	50
(C)	DATE DESIGN 35% COMPLETE	11-89
(D)	DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(215)
(B)	ALL OTHER DESIGN COSTS	(10)
(C)	TOTAL	225
(D)	CONTRACT	(10)
(E)	IN-HOUSE	(215)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL TECHNICAL TRAINING CENTER DETACHMENT LACKLAND AIR FORCE BASE, TEXAS	CHIEF OF NAVAL EDUCATION AND TRAINING	.88

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	0	0	0	0	0	0	0	0	0	0
b. END FY 1995	4	119	46	12	580	110	0	0	0	871

7. INVENTORY DATA ($000)

	TENANT OF LACKLAND
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	16,300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	28,150

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.11	BACHELOR ENLISTED QUARTERS	144,000 SF	11,850	07/86	10/90
	TOTAL		11,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Train military and civilian personnel in law enforcement, physical security, anti-terrorism and the protection of Navy's assets from theft, sabotage, terrorism, or other losses.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TECHNICAL TRAINING CENTER DETACHMENT LACKLAND AIR FORCE BASE, TEXAS	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804796N	721.11	P-002	11,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	144,000	65.00	9,360
SUPPORTING FACILITIES	-	-	-	1,290
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(250)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(490)
SUBTOTAL	-	-	-	10,650
CONTINGENCY (5%)	-	-	-	530
TOTAL CONTRACT COST	-	-	-	11,180
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	670
TOTAL REQUEST	-	-	-	11,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four three-story reinforced concrete frame buildings with drilled pier foundations, two one-story reinforced concrete frame buildings with concrete mat foundations, concrete floors, masonry walls, standing seam metal roof systems, energy monitoring and control system, fire protection systems, air conditioning, utilities; 171 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of six buildings. Grade mix: 684 E1-E4. Total: 684.

11. REQUIREMENT: 684 PN ADEQUATE: 0 PN SUBSTANDARD: 0 PN

PROJECT:
Provides adequate billeting for 684 enlisted Navy students assigned to the physical security training center. (Current mission).

REQUIREMENT:
Adequate housing for 684 Navy students undergoing training in physical security. Increasing levels of terrorism and radical activities have dictated improved training in all aspects of security for Naval personnel and Navy assets. Training is planned at this location to take advantage of existing Air Force facilities and courses of instruction in physical security.

CURRENT SITUATION:
The Air Force has no berthing spaces available for Navy use.

IMPACT IF NOT PROVIDED:
Students will not be assigned to the facility, or will be housed in commercial spaces at significantly higher costs. Training capabilities will be derogated and the potential for political embarrassment and significant real damage will continue.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TECHNICAL TRAINING CENTER DETACHMENT LACKLAND AIR FORCE BASE, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-002

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.	07-86
(B)	PERCENT COMPLETE AS OF JANUARY 1990.	35
(C)	DATE DESIGN 35% COMPLETE	11-86
(D)	DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(560)
(B)	ALL OTHER DESIGN COSTS	(125)
(C)	TOTAL.	685
(D)	CONTRACT	(600)
(E)	IN-HOUSE	(85)

(4) CONSTRUCTION START. 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA	COMMANDANT OF THE MARINE CORPS	1.04

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1278	1223	1551	0	0	0	0	0	0	4052
b. END FY 1995	992	841	1187	0	0	0	0	0	0	3020

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(21)	
b. INVENTORY TOTAL AS OF 30 SEP 89		26,980
c. AUTHORIZATION NOT YET IN INVENTORY		3,020
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,810
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,087
g. REMAINING DEFICIENCY		28,400
h. GRAND TOTAL		62,297

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.11	LOGISTICS SUPPORT FAC	36,000	SF	2,810	04/89	05/90
	TOTAL			2,810		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	HEADQUARTERS BUILDING	LS	1,087

10. MISSION OR MAJOR FUNCTIONS:

Provide administrative support for: chargeable and attached Marine Corps personnel assigned within the Washington Metropolitan Area to Headquarters Marine Corps, other departments and agencies of the federal government and joint schools; not chargeable and attached to Marine Corps personnel assigned within the Washington Metropolitan Area to duty under instruction tion, awaiting separation and casuals who are either awaiting assignment or transportation, in a disciplinary status, or who are hospitalized; provide administrative use aircraft support for the Commandant of the Marine Corps and a aircraft support for proficiency flying requirements; provide administrative use motor vehicle and traffic management (freight and household goods) advisory support for Headquarters Marine Corps; and provide Marine Corps security forces for the Navy Department in the Washington Metropolitan Area.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA	LOGISTICS SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901296M	441.11	P-006	2,810

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LOGISTICS SUPPORT FACILITY	SF	36,000	-	1,740
BUILDING	SF	36,000	44.00	(1,580)
BUILT-IN EQUIPMENT	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	790
ELECTRICAL UTILITIES	LS	-	-	(370)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	2,530
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,660
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,810
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame warehouse building, concrete foundation and floor, masonry walls, built-up roof, 18-foot stacking height, elevator, electronic utility monitoring system, special security areas, loading docks, vehicle wash platform, forklift charging station, rack-mounted fire protection system, air conditioning, utilities.

11. REQUIREMENT: 36,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs storage facilities to house and consolidate logistics service support for headquarters Marine Corps organizations and assigned military personnel in the Washington Capital Region. (Current mission.)

REQUIREMENT:

Adequate facilities to execute the Marine Corps mission of Headquarters Battalion in the Washington DC area as regards organic supply and warehousing functions. Modernization and upgrading of Henderson Hall (HH) facilities commenced in 1980 and is on-going. This project complements the previous project and sustains steady progress toward coversion of HH into a modern, efficient installation capable of collectively satisfying the ever-escalating service needs of Headquarters Marine Corps and manifesting the high standards of the Corps to the public.

CURRENT SITUATION:

Existing facilities are inadequate, unsafe, inefficient, and uneconomical to operate given present mission demands and anticipated future contingencies.

IMPACT IF NOT PROVIDED:

Supply and warehouse mission effectiveness will be seriously impaired. Degraded support capabilities of HH. Increased costs and inefficiencies will be experienced as a result of warehouse space leasing, detached operations, and facility upgrades to comply with fire and safety standards in existing facilities.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
LOGISTICS SUPPORT FACILITY	P-006

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	04-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	90
(C)	DATE DESIGN 35% COMPLETE	11-89
(D)	DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(220)
(B)	ALL OTHER DESIGN COSTS	(60)
(C)	TOTAL	280
(D)	CONTRACT	(265)
(E)	IN-HOUSE	(15)

(4) CONSTRUCTION START: 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA	CHIEF OF NAVAL OPERATIONS	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	21	30	139	0	0	0	0	0	0	190
b. END FY 1995	20	56	139	0	0	0	0	0	0	215

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,213)	
b. INVENTORY TOTAL AS OF 30 SEP 89		13,360
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		900
h. GRAND TOTAL		24,110

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.17	SPACE SURVEILLANCE CTR	60,760 SF	9,850	03/89	02/90
	TOTAL		9,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To maintain a constant surveillance of space and provide satellite data as directed by the CNO and higher authority to fulfill Navy and National requirements.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		" "

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA	SPACE SURVEILLANCE CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0102427N	143.17	P-249	9,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SPACE SURVEILLANCE CENTER	SF	60,760	-	7,800
BUILDING	SF	60,760	90.00	(5,470)
BUILT-IN EQUIPMENT	LS	-	-	(2,330)
SUPPORTING FACILITIES	-	-	-	1,050
ELECTRICAL UTILITIES	LS	-	-	(490)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT	LS	-	-	(440)
SUBTOTAL	-	-	-	8,850
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,290
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	560
TOTAL REQUEST	-	-	-	9,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(23,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, reinforced concrete spread foundation, concrete floors, masonry walls with brick facing, insulated built-up roof, TEMPEST shielding, high-altitude electromagnetic pulse (HEMP) protected core, computer flooring, elevator, emergency generators, electric power substation, fire protection system, utilities, air conditioning; several areas constructed to Secret Compartmented Information Facility (SCIF) standards; chilled demineralized water system.

11. REQUIREMENT: 60,760 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a space surveillance center including an alternate space defense operation's center (ASPADOC). (Current mission.)

REQUIREMENT:

Adequate and properly-configured facilities to accommodate a constant surveillance of space and to provide satellite data to fulfill Navy and national requirements. The Naval Space Surveillance System (NAVSPASUR) supports the operating forces by providing orbital elements, vulnerability data, operational intelligence, and other space-object related information to fleet units. NAVSPASUR also supports the Space Command (SPACECOM), Space Defense Operations Center (SPADOC), by serving as the alternate Space Surveillance Center (SSC) capable of providing the full range of SSC products, functions, and responsibilities, operating and maintaining in-house computer facilities required to perform orbital and celestial mechanics computations, operating a telecommunications center, operating a Space Intelligence Communications (SPINTCOMM) Center to provide special purpose communication services.

CURRENT SITUATION:

NAVSPASUR occupies grossly overcrowded, non-contiguous spaces on three different levels of a building constructed in 1941. A waiver for automated data processing (ADP) security is currently in force to permit classified ADP operations. The area immediately surrounding the building

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
SPACE SURVEILLANCE CENTER	P-249

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
has become the center of the host's personnel support complex. Expansion of the building is not practical and prohibitively expensive modifications would be necessary to accommodate the planned assumption of information processing at classification levels above SECRET. Additionally, NAVSPASUR requires and will receive new computer equipment in 1993 and 1994, and modernized graphic displays and operations consoles to enhance command and control functions. NAVSPASUR has been assigned new mission functions resulting in an approved personnel growth from 144 to 201 by 1991. This increase in staff cannot be accommodated in the present inadequate facilities.

IMPACT IF NOT PROVIDED:
NAVSPASUR will continue to carry out its present missions in overcrowded, inefficient, and inadequate spaces with a continuing security risk. NAVSPASUR will be unable to carry out the current SPADOC mission or the new classified missions. Significant fleet support capabilities and opportunities will be lost.

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	03-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	90
(C)	DATE DESIGN 35% COMPLETE	11-89
(D)	DATE DESIGN COMPLETE	02-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(225)
(B)	ALL OTHER DESIGN COSTS	(175)
(C)	TOTAL	400
(D)	CONTRACT	(350)
(E)	IN-HOUSE	(50)

(4) CONSTRUCTION START: 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
MISCELLANEOUS TECHNICAL AND OPERATIONAL INTELLIGENCE COMMUNICATIONS EQUIPMENT	OPN	1992 - 1994	23,000
		TOTAL	23,000

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACT DAM NECK, VIRGINIA	NAVAL SEA SYSTEMS COMMAND	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	42	72	240	0	0	0	14	27	0	395
b. END FY 1995	38	79	240	0	0	0	14	27	0	398

7. INVENTORY DATA ($000)

	TENANT OF FCTCLANT
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	6,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.40	COMPUTER PROG OPS CTR ADDN	43,820	SF	6,500	05/89	08/90
	TOTAL			6,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To plan, design, construct, and test and deliver Combat Direction System tactical computer programs for the Operating Forces; to correct, update, modify, enhance and distribute operational and training programs in accordance with evolving fleet requirements; to provide ancillary computer programs in support of computer program development and maintainence; and to provide technical assistance and computer programs to the Shore Establishment.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACT DAM NECK, VIRGINIA	COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	143.40	P-983	6,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPUTER PROGRAMMING OPS CENTER ADDITION	SF	43,820	-	5,090
BUILDING ADDITION	SF	43,820	74.00	(3,240)
BUILT-IN EQUIPMENT	LS	-	-	(1,850)
SUPPORTING FACILITIES	-	-	-	750
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(280)
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	5,840
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST	-	-	-	6,130
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	370
TOTAL REQUEST	-	-	-	6,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(20,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete frame and masonry building addition, pile foundation, built-up roofing, computer flooring, emergency generator, grounding, radio frequency shielding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 116,420 SF ADEQUATE: 72,600 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs addition to computer programming operations center. (Current mission.)

REQUIREMENT:
Adequate space to house additional equipment and personnel in support of the growing number of ships to be equipped with advanced combat direction systems by 1990. Presently, about 500 advanced combat direction systems are operational. Ultimately, some 650 advanced combat direction and related systems will be supported on ships, aircraft, and submarines. Surface systems include guided missile cruisers, destroyers, frigates, and battleships. Air tactical data systems include the carrier based anti-submarine warfare module and the LAMPS MK III helicopter. Related combat systems include AEGIS, Tactical Data Link, Battle Group Anti-Air Warfare, Ada language system, and the latest mainframe and mini-tactical computers. Additional space is required to design, test, maintain, and deliver to the fleet the tactical operations computer programs for these systems.

CURRENT SITUATION:
Available space and facilities are marginal for operation and support of the computers, peripherals, and other equipment currently installed in the central computer complex and cannot accommodate the increase in advanced combat direction system equipped ships and aircraft.
Off-station leasing of commercial space is not an alternative because it is prohibitively expensive when properly-configured and equipped with required security features.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACT DAM NECK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION	P-983

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:
Space will not be available for the installation and support of equipment required prior to introduction of new or modified combat direction systems into the fleet. Limited level of support for this vital function will have adverse impact on the operational readiness and combat capability of Navy's aircraft and ships.

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	05-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	55
(C)	DATE DESIGN 35% COMPLETE	08-89
(D)	DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B)	ALL OTHER DESIGN COSTS	(120)
(C)	TOTAL	420
(D)	CONTRACT	(380)
(E)	IN-HOUSE	(40)

(4) CONSTRUCTION START: 03-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ACDS MINI-COMPUTER AND HIGH SPEED DIGITAL SWITCH	OPN	1988	2,000
STANDARD SIMULATION SYSTEMS	OPN	1989 - 1990	3,800
ACDS/SHARE/43 PERIPHERALS	OPN	1989 - 1993	6,200
AN/UYK-43 COMPUTER SYSTEMS, PERIPHERALS	OPN	1988 - 1992	6,500
UNINTERRUPTIBLE POWER SYSTEM	OPN	1990	1,500
		TOTAL	20,000

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	COMMANDER IN CHIEF, ATLANTIC FLEET	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1203	10779	810	209	1453	0	57	429	0	14940
b. END FY 1995	1165	10500	810	200	1675	0	57	431	0	14838

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,804)	
b. INVENTORY TOTAL AS OF 30 SEP 89		186,190
c. AUTHORIZATION NOT YET IN INVENTORY		66,270
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		20,470
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		11,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		17,770
g. REMAINING DEFICIENCY		44,500
h. GRAND TOTAL		346,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.75	LCAC COMPLEX (INCR II)	LS		12,460	04/89	10/90
217.10	SURTASS SUPPORT CENTER ADN	64,820	SF	8,010	05/89	07/90
	TOTAL			20,470		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

155.20	LCAC (PH III)	50,380	SF	7,900	-	-
171.50	SMALL ARMS RANGE	LS		3,800	-	-
	TOTAL			11,700		

B. MAJOR PLANNED NEXT THREE YEARS:

721.12	BACHELOR ENLISTED QUARTERS	118,080	SF	6,600
740.74	CHILD DEVELOPMENT CENTER	14,530	SF	1,500
843.10	FIRE PROTECTION SYSTEM	LS		650
843.10	FIRE PROTECTION SYSTEM	LS		650

10. MISSION OR MAJOR FUNCTIONS:

Serves as the east coast operational base for amphibious ships and units of the Atlantic Fleet Surface Force. Furnish homeport berthing, training, maintenance, personnel and support services. Support annual training exercises.

LST and LSD Class Vessels
Special Warfare Group Two
Beach Group Two
Explosive Ordnance Disposal Group Two
School of Music
Amphibious Construction Battalion
Amphibious School
Service Squadron Eight

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	13,730
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	213.75	P-337	12,460

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LANDING CRAFT AIR CUSHION COMPLEX.	LS	-	-	5,200
MAINTENANCE BAY.	SF	25,200	64.00	(1,610)
GENERAL WAREHOUSE.	SF	27,000	42.00	(1,130)
GRND SUPPT EQUIP STORAGE AND MAINT GARAGE. .	LS	-	-	(320)
SOLID WASTE TREATMENT FACILITY	LS	-	-	(460)
BUILT-IN EQUIPMENT	LS	-	-	(1,680)
SUPPORTING FACILITIES.	-	-	-	6,000
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(160)
UTILITIES.	LS	-	-	(1,140)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(4,700)
SUBTOTAL	-	-	-	11,200
CONTINGENCY (5%)	-	-	-	560
TOTAL CONTRACT COST.	-	-	-	11,760
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	700
TOTAL REQUEST.	-	-	-	12,460
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

General: Maintenance bay, general warehouse, grounds support equipment storage and maintenance garage, communications security vault, all have structural steel frames, masonry bearing walls, concrete foundations and floors, metal deck roof: Solid Waste Treatment Facility (SWTF) is a two-story pile supported steel frame building, masonry walls, concrete foundations and floors, metal deck roofs.
Maintenance Bay: Fire protection system, provisions for intrusion detection system, communications system, compressed air system, ventilation, 400 Hz electric power, utilities.
General Warehouse: Fire protection system, ventilation, air conditioning, utilities.
Solid Waste Treatment Facility: Fire protection system, ventilation, utilities.
Ground Support Equipment Maintenance Garage and Storage: Fire protection system, cranes and hoists, ventilation, utilities.
Communications Security Vault: Fire protection system, communications system, radio frequency shielding, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides complete and usable operational, maintenance, and support facilities capable of supporting the second increment of 12 Landing Craft Air Cushion (LCAC) vehicles scheduled for arrival in the early 1990's. (New mission.)

REQUIREMENT:
The LCAC is an advanced landing craft that rides on a cushion of air and is capable of delivering personnel and equipment over sea and land. They are high-speed vehicles not restricted by surf and beach conditions and capable of lifting heavy equipment such as battle tanks across the beach from amphibious well-deck ships lying over-the-horizon. LCAC's are highly complex craft powered by four marine gas turbine engines and require unique maintenance and support facilities not available outside

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)	P-337

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

the LCAC complex. There were delays in the initial development of the LCAC causing a delivery slip. However, operational tests and evaluation reports indicate that the LCAC's can now meet mission specifications. Congress has approved the first thirty craft through FY 1986. Eighteen more were included in the FY 1988/1989 biennial budget. Delivery of the first twelve craft to Little Creek began in 1987. Facilities to support this first delivery were completed in early 1987. Facilities are required to support the second increment of twelve craft. Ultimate base development is planned to support 53 craft with additional facility increments planned for the mid-1990's. This project will provide an additional maintenance bay capable of housing two of the large (87'x47'x23' high) craft. The bay will be constructed adjacent to the existing maintenance bay and shops. This project will also provide a warehouse, ground support equipment shed, solid waste transfer station, and additional taxiways and parking aprons.

CURRENT SITUATION:

An LCAC support complex was started on an undeveloped parcel of land using FY 1985 Military Construction Funds. The first increment is complete and will support the first twelve craft. The completed facilities include a maintenance bay, maintenance shops, parking apron, taxiway to the water, control tower, operations facilities, noise suppressing earth berms, and wash rack. The first eight LCAC's have been delivered with the remaining four of the first squadron expected by 1990. The existing facilities can only accommodate twelve craft. Additional facilities are necessary for the remaining 41 craft. Construction has been programmed in increments tied to the delivery of the craft.

IMPACT IF NOT PROVIDED:

Maintenance and parking facilities will not be available for a second increment of twelve LCAC landing craft. Warehouse facilities for the whole complex will not be available.

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	04-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	45
(C)	DATE DESIGN 35% COMPLETE	08-89
(D)	DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(400)
(B)	ALL OTHER DESIGN COSTS	(200)
(C)	TOTAL	600
(D)	CONTRACT	(540)
(E)	IN-HOUSE	(60)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)	P-337

12. SUPPLEMENTAL DATA: (CONTINUED)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		** **

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	SURTASS SUPPORT CENTER ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	217.10	P-418	8,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURTASS SUPPORT CENTER ADDITION.	SF	64,820	--	6,170
BUILDING ADDITION.	SF	63,380	88.00	(5,580)
PUBLIC WORKS SHOP.	SF	840	55.00	(50)
FUEL FARM STORAGE.	SF	600	55.00	(30)
BUILT-IN EQUIPMENT	LS	-	-	(510)
SUPPORTING FACILITIES.	-	-	-	1,030
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(210)
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(540)
SUBTOTAL	-	-	-	7,200
CONTINGENCY (5%)	-	-	-	360
TOTAL CONTRACT COST.	-	-	-	7,560
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	450
TOTAL REQUEST.	-	-	-	8,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile and grade beam foundation, concrete flooring, elastomeric membrane roofing, pre-cast concrete exterior walls, provisions for intrusion detection system, 400 Hz electric power, bridge cranes, radio-frequency shielding, air conditioning, vaults, test tank enclosures, grounding; two one-story masonry buildings, concrete foundations and floors, shingle roofs, mechanical ventilation; fire protection system, utilities; demolition of two buildings.

11. REQUIREMENT: 110,240 SF ADEQUATE: 45,420 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an addition to the Surveillance Towed Array Sensor System (SURTASS) support center for increased support functions to accommodate existing and additional programmed Atlantic Fleet SURTASS ships homeported at Little Creek. (New mission.)

REQUIREMENT:

Adequate facilities to support SURTASS ships deployed in the Atlantic area. The SURTASS data is sent via satellite link to shore facilities for processing and further transmission to ASW forces. Raw data can also be sent to ASW ships in the area. The SURTASS array is a flexible, tube-like structure containing numerous hydrophones towed with a 6,000-foot cable. The array generates data at a very high rate. On-board processors lower the rate before transmission to satellites. The ships are 224-feet long and are manned by civilian crews and Navy technicians. The acquisition of the ships was slowed in the early 1980's because of fiscal constraints, but is now on track with the next ten of sixteen authorized. The number of homeported ships assigned to Little Creek will increase from six to fourteen. The other ships will be homeported at Pearl Harbor, HI. Required shore support functions include training, equipment storage and maintenance, large lay-down areas for the towed array, cable repair and storage areas, water tank test areas, and administrative office and personnel areas. Additional shore facility support functions not originally envisioned, such as satellite data

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
SURTASS SUPPORT CENTER ADDITION	P-418

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

links, have been assigned and the number of support personnel has been increased, requiring more facility space.

CURRENT SITUATION:

The existing facility constructed in 1985 was designed to support six SURTASS ships. The SURTASS concept has proven to be more successful than planned and the roles and missions of the SURTASS ships have been expanded. This requires more shore support than the original concept called for in the FY 1984 MILCON project. The existing facility is not large enough to accommodate support functions for the additional eight ships and the new missions and personnel assigned to the SURTASS program. The eight additional ships are either currently under design or construction contract. The ships will not only increase in number, but in the amount of complex equipment they carry. The shore support facilities need to be capable of handling four ships in port at one time. Each ship is expected to spend approximately 15 days in port between 60-day deployments. Little Creek is the only Atlantic Fleet SURTASS homeport and provides all shore support. No other facilities exist at Little Creek that can support the new facilities requirement.

IMPACT IF NOT PROVIDED:

Facilities will not be available to support the expanded SURTASS program. Ships will be delayed in port because of the inability of the shore complex to get them ready for deployment. Ship readiness will be degraded with the potential of not being available to the fleet to fill gaps in its underwater surveillance system.

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	05-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	50
(C)	DATE DESIGN 35% COMPLETE	10-89
(D)	DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(255)
(B)	ALL OTHER DESIGN COSTS	(110)
(C)	TOTAL	365
(D)	CONTRACT	(330)
(E)	IN-HOUSE	(35)

(4) CONSTRUCTION START: 03-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA	CHIEF OF NAVAL EDUCATION AND TRAINING	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	28	140	14	40	300	0	0	0	0	522
b. END FY 1995	28	140	14	40	300	0	0	0	0	522

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NAB	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		3,240

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	LCAC TRAINING FAC	11,300 SF	1,800	10/88	10/90
171.20	TRAINING MATERIALS STORAGE	LS	800	10/88	06/90
	TOTAL		2,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide training for active, reserve, and allied military personnel and units to achieve and maintain an optimum state of readiness for amphibious operations. Provide training in shipboard engineering, naval gunfire support, and ship handling.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA	LANDING CRAFT AIR CUSHION TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.35	P-366	1,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LANDING CRAFT AIR CUSHION TRAINING FACILITY. .	SF	11,300	-	1,350
BUILDING	SF	11,300	112.00	(1,270)
BUILT-IN EQUIPMENT	LS	-	-	(80)
SUPPORTING FACILITIES.	-	-	-	270
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(80)
UTILITIES, PAVING AND SITE IMPROVEMENT . . .	LS	-	-	(190)
SUBTOTAL	-	-	-	1,620
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,700
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(17,300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame and masonry building, concrete foundation and floor, built-up roof, computer flooring, two high-bay areas with hoists, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 11,300 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs a Landing Craft Air Cushion (LCAC) vehicle training facility. (New mission.)

REQUIREMENT:
Adequate facilities for instructing personnel in the operation and maintenance of LCAC vehicles. These vehicles offer an amphibious assault capability far superior to any previous type. To realize this capability, personnel must be trained to operate and maintain the new craft.

CURRENT SITUATION:
There are no facilities available which can be used for this training. There are three operator and two maintenance courses planned, ranging from four to twelve weeks. Training devices are being procured for operator training. About 100 people will be trained annually. Eight LCAC craft are currently on-station, with a total of 53 craft estimated to be on-station by 1994.

IMPACT IF NOT PROVIDED:
A facility to house the trainers will not be available. LCAC personnel will be limited to on-the-job training. The amphibious assault capabilities of the LCAC will not be fully realized.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
LANDING CRAFT AIR CUSHION TRAINING FACILITY	P-366

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	10-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	05-89
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(0)
(B) ALL OTHER DESIGN COSTS	(100)
(C) TOTAL	100
(D) CONTRACT	(20)
(E) IN-HOUSE	(80)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
LCAC OPERATOR TRAINER, COCKPIT TRAINER	OPN	1989	17,300
		TOTAL	17,300

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET TRAINING CENTER, NORFOLK, VIRGINIA	CHIEF OF NAVAL EDUCATION AND TRAINING	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	26	550	35	155	2800	0	0	0	0	3566
b. END FY 1995	26	550	35	155	2800	0	0	0	0	3566

7. INVENTORY DATA ($000)

	TENANT OF NS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	17,210
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,080
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,100
g. REMAINING DEFICIENCY	3,940
h. GRAND TOTAL	51,530

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	FIRE FIGHTING TRAIN FAC	LS	16,080	12/88	05/90
	TOTAL		16,080		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
171.20	ELECTRICIAN'S INSTRUC BLDG	132,350	SF	12,200	-	-
	TOTAL			12,200		
B. MAJOR PLANNED NEXT THREE YEARS:						
610.10	ADMIN SPACE RENOVATION	45,000	SF	2,100		

10. MISSION OR MAJOR FUNCTIONS:

Develop and provide training in the operation and maintenance of shipboard systems. Courses include communication, navigation, electrical, electronic, mechanical, propulsion, damage control and fire fighting.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET TRAINING CENTER, NORFOLK, VIRGINIA	FIRE FIGHTING TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	179.45	P-180	16,080

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY	LS	-	-	8,830
SHIP MOCK-UP STRUCTURES	SF	20,180	186.00	(3,750)
FLIGHT DECK MOCK-UP STRUCTURE	SF	14,780	175.00	(2,590)
STORAGE BUILDING	SF	2,500	40.00	(100)
CONTROL AND UTILITIES BUILDING	SF	2,500	112.00	(280)
TECHNICAL OPERATING MANUALS	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	7,620
UTILITIES	LS	-	-	(3,760)
PAVING AND SITE IMPROVEMENT	LS	-	-	(820)
DEMOLITION	LS	-	-	(3,040)
SUBTOTAL	-	-	-	14,450
CONTINGENCY (5%)	-	-	-	720
TOTAL CONTRACT COST	-	-	-	15,170
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	910
TOTAL REQUEST	-	-	-	16,080
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(16,180)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Mock-up structures; reinforced concrete and masonry buildings; concrete foundations and floors; ventilation systems, pollution abatement system, computer flooring, compressed air system, hoists, fuel storage, fire protection system, air conditioning, utilities; demolition of 31 buildings.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs fire fighting training facility for surface, shipboard, and aircraft carrier deck fires. (Current mission.)

REQUIREMENT:

Adequate fire fighting training facilities to accommodate and satisfy a mandatory requirement for all officer and enlisted personnel. Additional practical and theoretical fire fighting training is necessary for personnel assigned to damage control parties. This project will provide facilities for a basic introductory level fire fighting trainer, an advanced level trainer for coordinated fire fighting team practice, and an aircraft carrier flight deck fire fighting trainer. All proposed trainers will be environmentally clean and offer significantly improved levels of training. Instructors can produce fire situations at will on simulators until the proper student response is received.

CURRENT SITUATION:

The existing oil-fired trainers require an extensive amount of time and materials for cleanup and restart between training sessions and are not conducive to team damage control training. They emit large clouds of black smoke and great amounts of particulates into the atmosphere. They do not simulate all potential types of shipboard fires.

IMPACT IF NOT PROVIDED:

Adverse impact on ship's survivability because personnel will not be adequately trained in these valuable skills.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER, NORFOLK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTING TRAINING FACILITY	P-180

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	12-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	80
(C)	DATE DESIGN 35% COMPLETE	07-89
(D)	DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___ NO_X_
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(0)
(B)	ALL OTHER DESIGN COSTS	(600)
(C)	TOTAL	600
(D)	CONTRACT	(200)
(E)	IN-HOUSE	(400)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FIRE FIGHTING TRAINERS	OPN-BA7	1992	16,180
		TOTAL	16,180

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, NORFOLK, VIRGINIA	COMMANDER IN CHIEF, ATLANTIC FLEET	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	3818	50237	1460	53	325	0	375	1953	0	58221
b. END FY 1995	3703	47690	1460	72	434	0	375	1953	0	55687

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(181)	
b. INVENTORY TOTAL AS OF 30 SEP 89		216,580
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		8,310
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,500
g. REMAINING DEFICIENCY		39,800
h. GRAND TOTAL		278,140

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.12	ELECTRIC POWER UPGRADE	LS	10,950	09/85	10/90
	TOTAL		10,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

730.15	BRIG RENOVATIONS	67,310 SF	3,800	-	-
151.80	DEPERMING PIER	800 FB	4,200	-	-
880.10	FIRE ALARM SYS IMPROV	LS	310	-	-
	TOTAL		8,310		

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	PASS OFFICE	LS	550
610.10	TRUCK CHECK FACILITY	4,200 SF	1,950

10. MISSION OR MAJOR FUNCTIONS:

Functions as the primary operating base of the Atlantic Fleet, homeport to over 100 ships, including aircraft carriers, surface escorts and other combatants, logistics support ships, and attack submarines. This station is the hub of the major Tidewater Logistics Complex of Hampton Roads, Portsmouth, Yorktown and Little Creek. Supporting the following activities:

Amphibious Group
Cruiser-Destroyer Group
Attack Submarine Squadrons
Fleet Training Center
Shore Intermediate Maint. Act.
Service Group
Naval Air Station
Naval Aviation Depot
Nuclear Weapons Training Center
Navy Public Works Center
Naval Supply Center

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, NORFOLK, VIRGINIA	ELECTRIC POWER UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	812.12	P-834	10,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRIC POWER UPGRADE	LS	-	-	9,840
SUBTOTAL	-	-	-	9,840
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST	-	-	-	10,330
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	620
TOTAL REQUEST	-	-	-	10,950
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Provide 3750/4688 KVA fixed substations, 3750/4688 KVA portable substations; relocate and provide new receptacle groups; rebuild and enlarge existing and provide new above deck substation vaults, 2500 KVA transformers, new duct bank and manholes; replace transformers with 34.5 KVA transformers; new under pier vaults; fan cooling for substations; oil switches; improve distribution systems on six piers.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Upgrades shore electric power capacity on six piers. (Current mission.)

REQUIREMENT:

The demand for cold-iron electric power has greatly increased at the station's waterfront because of the new classes of destroyers (DD-963 and DD-993) being assigned. A ship goes cold-iron when in port by shutting down its power plant and connecting to shore systems. This allows the crew to repair and maintain the on-board power plant while essential utilities are provided from shore. It is less costly to connect to shore-side utilities than to operate the ships' systems. Cold-iron support requires fewer crew members to remain on board, thus allowing the crew time ashore for training and leave. The DD-963 and DD-993 class destroyers need more electric power to operate their enlarged electronic weapons packages while conducting in-port training. These ships are designed to utilize pierside training vans which are connected to the ships' electronics systems and are used to simulate radar intercepts, electronic warfare, and other exercises in a realistic manner. This allows crew members to train at pierside instead of only at sea. These on-board electronics systems require vast quantities of electric power. The training vans also place additional power requirements on the pier utility systems.

CURRENT SITUATION:

Sufficient electric shore power does not exist at Piers 2, 3, 5, 7, 24 and 25 to meet the demand during peak berthing periods. Modern

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, NORFOLK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRIC POWER UPGRADE	P-834

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
destroyers require more electric power than their predecessors because of the numerous power-hungry radar, communications, and other weapons systems on-board the ship. These systems are operated while the ship is on cold-iron for systems maintenance and training. Many of the new class ships use electrical space heating, placing a large demand on shore power support during the winter.

IMPACT IF NOT PROVIDED:
The station will be unable to provide the necessary electrical support to the ships homeported. Consequently, the in-port maintenance of and training on shipboard electronics systems is adversely affected. Material and personnel readiness of combatant ships and crews will be diminished because electric power and other services are not available on piers. Scheduled port periods for training, maintenance, and replenishment in preparation for deployment will not be used effectively.

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	09-85
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	12-86
(D) DATE DESIGN COMPLETE	10-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(300)
(B) ALL OTHER DESIGN COSTS	(145)
(C) TOTAL	445
(D) CONTRACT	(415)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA	NAVAL FACILITIES ENGINEERING COMMAND	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	15	0	2146	0	0	0	0	0	0	2161
b. END FY 1995	14	0	2146	0	0	0	0	0	0	2160

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(169)
b. INVENTORY TOTAL AS OF 30 SEP 89	139,790
c. AUTHORIZATION NOT YET IN INVENTORY	15,932
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,020
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	8,700
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,600
g. REMAINING DEFICIENCY	63,700
h. GRAND TOTAL	230,722

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
125.10	FUEL LINE	LS	4,020	03/89	11/90
	TOTAL		4,020		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

812.30	ELECTRIC DISTR LINES	53,400	LF	1,700	-	-
821.09	HEATING PLANT IMPRV	3,900	SF	3,000	11/88	11/90
822.22	STEAM DIST SYSTEMS IMPROV	119,490	LF	4,000	-	-
	TOTAL			8,700		

B. MAJOR PLANNED NEXT THREE YEARS:

831.42	ASBESTOS CONTROL	LS	1,500
135.20	TELEPHONE LINES	LS	1,100

10. MISSION OR MAJOR FUNCTIONS:

Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, independent activities and other commands served by the public works center. Serves the station, supply center, air station, supply center, air station, family housing, Commander in Chief, Atlantic Fleet Headquarters, and about 100 minor activities and commands.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA	FUEL LINE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702086N	125.10	P-236	4,020

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL LINE	LS	-	-	3,070
FUEL LINE SYSTEM	LF	10,560	126.00	(1,330)
PUMP BUILDING	SF	780	38.00	(30)
STORAGE TANK	LS	-	-	(390)
HOBBY SHOP	SF	26,380	50.00	(1,320)
SUPPORTING FACILITIES	-	-	-	540
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	230
TOTAL REQUEST	-	-	-	4,020
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Eight-inch underground fuel oil pipeline, cathodically protected, insulated, heat controls; pump house, pumps, controls, transformers; 50,000-barrel steel storage tank; two-story masonry building, concrete foundation and floors, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Installs underground fuel oil pipeline and constructs fuel system pump house. (Current mission.)

REQUIREMENT:
An economical means of supplying fuel from the waterfront to the central steam plant which serves the base as well as ships in port. It has been determined that pipeline delivery of the fuel oil would be more cost-effective than truck delivery. An annual savings of approximately $2,500,000 could be realized from construction of this pipeline system.

CURRENT SITUATION:
Delivery of fuel oil is being done by tank truck. Each truck delivers 6,500 gallons of fuel oil to daily operating tanks at the central steam plant. During the winter, 22 truck deliveries of fuel oil are made daily, six days a week. During the summer, 10 truck deliveries are made daily, five days a week. This mode of delivery has proven to be very costly and time consuming.

IMPACT IF NOT PROVIDED:
The savings in time and money that could be achieved through construction of this project will not be realized.

ADDITIONAL:
An economic analysis has been prepared and indicates a payback period of less than two years.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
FUEL LINE	P-236

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	03-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	40
(C)	DATE DESIGN 35% COMPLETE	11-89
(D)	DATE DESIGN COMPLETE	11-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(215)
(B)	ALL OTHER DESIGN COSTS	(100)
(C)	TOTAL	315
(D)	CONTRACT	(295)
(E)	IN-HOUSE	(20)

(4) CONSTRUCTION START: 03-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, OCEANA, VIRGINIA	COMMANDER IN CHIEF, ATLANTIC FLEET	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	1194	8281	1427	199	997	0	118	495	0	12711
b. END FY 1995	1232	8223	1359	163	993	0	118	495	0	12583

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(22,170)	
b. INVENTORY TOTAL AS OF 30 SEP 89		230,100
c. AUTHORIZATION NOT YET IN INVENTORY		36,475
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,870
f. PLANNED IN NEXT THREE PROGRAM YEARS		9,280
g. REMAINING DEFICIENCY		133,510
h. GRAND TOTAL		418,905

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	WEAPONS SYS TRNR BLDG ADDN	25,480	SF	3,670	12/88	05/90
	TOTAL			3,670		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
171.35	A-6F OPER FLGT TRNR ADDN	LS		940	-	-
171.20	SQUADRON TRNG BLDG ADDN	47,500	SF	4,930	-	-
	TOTAL			5,870		
B. MAJOR PLANNED NEXT THREE YEARS:						
171.35	F-14D WST ADDITION	LS		1,600		
214.30	REFUEL VEH SHOP	LS		380		
171.35	F-14D TRAINER FACILITY	LS		700		

10. MISSION OR MAJOR FUNCTIONS:

This Atlantic Fleet master jet base provides operational support to 12 fighter squadrons (F-14) and eight medium attack squadrons (A-6) which deploy on Atlantic Fleet aircraft carriers, are adversary fighter squadron, two reserve units, and two Fleet Readiness Squadrons. It also provides support to ALF (Auxiliary Landing Field) Fentress.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	4,160
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, OCEANA, VIRGINIA	WEAPONS SYSTEM TRAINER BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.35	P-178	3,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SYSTEM TRAINER BUILDING ADDITION	SF	25,480	-	2,860
BUILDING	SF	25,480	103.00	(2,620)
BUILT-IN EQUIPMENT	LS	-	-	(240)
SUPPORTING FACILITIES	-	-	-	430
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(110)
UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	3,290
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,460
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	210
TOTAL REQUEST	-	-	-	3,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(16,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile foundation, concrete flooring, masonry walls, insulation board over metal roof deck with built-up roof, computer flooring, fire protection system, provisions for intrusion detection system, elevators, communications system, air conditioning, utilities.

11. REQUIREMENT: 25,480 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides an applied instruction building addition to house a mission flight trainer used to train pilots and flight officers. This project supports the remanufacture of F-14 aircraft, designated the F-14D. (New mission.)

REQUIREMENT:

A building addition to house a mission flight trainer scheduled for delivery in early 1992. It is essential that the facility accommodate squadron training in August 1992. Oceana is the homeport for all Atlantic Fleet F-14A fighter aircraft. The F-14 is the linch-pin of the carrier battle group's air defense. The F-14A was introduced in 1972 and has proven to be a very effective and potent weapon system. It's primary mission is to intercept, at long ranges, enemy bombers poised to attack the battle group with air-to-surface missiles. The F-14's long-range radar and the Phoenix missiles give it this capability. Since F-14 technologies may have been compromised because of the sale of the aircraft to Iran, programs to improve both the Phoenix and the F-14 have been accelerated. The interim improved F-14 is called the F-14A+. It has greater resistance to electronic countermeasures and a better radar. The F-14D will provide a major upgrade to the aircraft with digital avionics, data processing, improved radar, and more powerful engines. Transition of the squadrons' aircraft to the F-14D will begin mid-1992 and continue through the mid-1990's. Mission flight training for flight crews for both models will be required throughout the transition, meaning a dual capability is required. Training facilities

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, OCEANA, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS SYSTEM TRAINER BUILDING ADDITION	P-178

11. REQUIREMENT: (CONTINUED)

REQUIREMENT: (CONTINUED)

are required to ensure that squadron flight crew personnel are capable of properly operating the numerous on-board weapons systems. These weapon systems include missile and gun firing, target tracking, electronic warfare and countermeasures, and radar and navigation systems.

CURRENT SITUATION:

Facilities are not available to house the trainer scheduled for delivery to Oceana in 1992. Existing training spaces for the F-14A will be required through the 1990's transition period and will not be available for F-14D training to commence in 1992.

IMPACT IF NOT PROVIDED:

Oceana will be unable to provide adequate mission flight training for F-14D aircraft assigned personnel, jeopardizing combat readiness and effectiveness. The carriers will deploy without the full benefits provided by the major F-14 upgrade. The ability of the carrier to defend itself and the battle group will be degraded by a lack of proper systems training which this project will provide. There will be no facilities available to house the delivered trainer.

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	12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	80
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(0)
(B) ALL OTHER DESIGN COSTS	(175)
(C) TOTAL	175
(D) CONTRACT	(0)
(E) IN-HOUSE	(175)

(4) CONSTRUCTION START: 02-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
F-14 MISSION FLIGHT TRAINER #3	APN	1990	16,000
		TOTAL	16,000

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	COMMANDANT OF THE MARINE CORPS	.96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	721	2962	2100	1742	287	0	398	1036	0	9246
b. END FY 1995	719	2902	2670	1455	2722	0	332	740	2478	14018

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(60,484)	
b. INVENTORY TOTAL AS OF 30 SEP 89		208,660
c. AUTHORIZATION NOT YET IN INVENTORY		25,070
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		34,114
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		20,785
g. REMAINING DEFICIENCY		44,000
h. GRAND TOTAL		335,629

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.20	COMBAT DEVELOPMENT CENTER	95,900	SF	16,094	02/89	05/90
171.10	MARINECORPS ACAD RESCH LIB	100,500	SF	14,150	01/90	01/91
179.45	MIL OPS IN URBANIZED TERRN	LS		3,870	11/88	12/89
	TOTAL			34,114		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
740.74	CHILD DEVELOPMENT CENTER	18,750	SF	3,000	-	-
	TOTAL			3,000		
B. MAJOR PLANNED NEXT THREE YEARS:						
179.45	LIVE FIRE RANGE	LS		2,660		
171.35	OPERATIONAL TRAINER FAC	LS		1,000		
421.12	AMMO STORAGE REPLACEMENT	30,640	SF	5,125		
211.05	MAINTENANCE HANGARS	67,460	SF	12,000		

10. MISSION OR MAJOR FUNCTIONS:

Develop, in coordination with agencies and representatives of other services, the doctrine, tactics, techniques and equipment employed by landing forces in amphibious operations; support Marine Corps requirements for long range planning by identifying required study areas and by initiating study of such areas, in coordination with other government and civilian contract study of agencies; education officers in the principles, tactics and techniques of warfare, with particular emphasis on the landing force aspects of amphibious operations in air-ground combat forces of the Marine Corps; educate staff noncommissioned with the requisite responsibilities; exercise academic supervision over all Marine Corps formal schools (less recruit training); and other functions as directed by the Commandant of the Marine Corps.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

		($000)
A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	10,620
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	1,230

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	COMBAT DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804751M	610.20	P-402	16,094

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT DEVELOPMENT CENTER	SF	95,900	-	12,480
BUILDING	SF	93,400	115.00	(10,740)
EMERGENCY/STAND-BY POWER BUILDING	SF	2,500	115.00	(290)
BUILT-IN EQUIPMENT	LS	-	-	(1,450)
SUPPORTING FACILITIES	-	-	-	1,980
ELECTRICAL UTILITIES	LS	-	-	(600)
MECHANICAL UTILITIES	LS	-	-	(620)
PAVING AND SITE IMPROVEMENT	LS	-	-	(760)
SUBTOTAL	-	-	-	14,460
CONTINGENCY (5%)	-	-	-	720
TOTAL CONTRACT COST	-	-	-	15,180
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	914
TOTAL REQUEST	-	-	-	16,094
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame building, concrete foundation and floors, masonry walls with brick facing, built-up roof, computer flooring, emergency electric power generators, technical operating manuals, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 95,900 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs a facility to accommodate a combat development center and a contingency data processing center. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities to permit implementation of a Marine Corps-wide distribution and processing network to support a concepts, doctrine, and training data base. Facilities will allow collocation of separate elements of the combat development center, the war-fighting center, and the intelligence center. Facility will also house the contingency data processing center.

CURRENT SITUATION:
Different elements of the combat development center are presently dispersed throughout the activity. Facility constraints force some elements to work in inadequate and overcrowded spaces. A contingency data processing center does not currently exist.

IMPACT IF NOT PROVIDED:
The lack of a centralized facility will continue to impair mission accomplishment and will preclude integration of the elements of the combat development center.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMBAT DEVELOPMENT CENTER	P-402

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	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(705)
(B) ALL OTHER DESIGN COSTS	(270)
(C) TOTAL	975
(D) CONTRACT	(960)
(E) IN-HOUSE	(15)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

(Note: Relocatable buildings are in use which will be discontinued upon completion of permanent facilities.)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	MARINE CORPS ACADEMIC RESEARCH LIBRARY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796M	171.10	P-430	14,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MARINE CORPS ACADEMIC RESEARCH LIBRARY	SF	100,500	-	10,850
BUILDING	SF	100,500	90.00	(9,050)
BUILT-IN EQUIPMENT	LS	-	-	(1,800)
SUPPORTING FACILITIES	-	-	-	1,860
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(450)
ELECTRICAL UTILITIES	LS	-	-	(310)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(950)
SUBTOTAL	-	-	-	12,710
CONTINGENCY (5%)	-	-	-	640
TOTAL CONTRACT COST	-	-	-	13,350
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	800
TOTAL REQUEST	-	-	-	14,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile foundation, concrete floors, masonry walls with brick facing, built-up roof on rigid insulation over steel decking, study and research areas, library, auditorium, vault, conference and seminar rooms, education center, fire alarm and wet-pipe protection system, air conditioning, utilities; 350 vehicle parking area.

11. REQUIREMENT: 100,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs facility to house comprehensive collections of printed books and documents, microforms, videotapes, films, and other forms of historically significant educational and research materials. (Current mission.)

REQUIREMENT:

Adequate and properly-configured library and research facilities to accommodate and consolidate various collections, and to support intellectual and educational activities, including Advanced Warfare Research Institute (AWRI). The facility will also support group conference spaces for lectures, exhibits, and other events. Automation of cataloging is necessary.

CURRENT SITUATION:

Collections are currently housed in several facilities at dispersed locations at Quantico. Increases in collection volume have burdened available spaces. Individual and group study and research space is limited and of poor quality. Cataloging systems are antiquated. Administrative and technical staff spaces are inadequate.

IMPACT IF NOT PROVIDED:

Absence of a quality research library will continue to impair the educational and intellectual missions. Lack of centralized expansion space will restrict collection growth.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
MARINE CORPS ACADEMIC RESEARCH LIBRARY	P-430

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	01-90
(B) PERCENT COMPLETE AS OF JANUARY 1990	0
(C) DATE DESIGN 35% COMPLETE	07-90
(D) DATE DESIGN COMPLETE	01-91

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(875)
(B) ALL OTHER DESIGN COSTS	(250)
(C) TOTAL	1,125
(D) CONTRACT	(1,070)
(E) IN-HOUSE	(55)

(4) CONSTRUCTION START: 04-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	MILITARY OPERATIONS IN URBANIZED TERRAIN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804751M	179.45	P-408	3,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY OPERATIONS IN URBANIZED TERRAIN	LS	-	-	2,900
COMBAT VILLAGE	LS	-	-	(2,780)
LIVE FIRE RANGE	LS	-	-	(120)
SUPPORTING FACILITIES	-	-	-	580
UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT	LS	-	-	(490)
SUBTOTAL	-	-	-	3,480
CONTINGENCY (5%)	-	-	-	170
TOTAL CONTRACT COST	-	-	-	3,650
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	220
TOTAL REQUEST	-	-	-	3,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Upgrade one building; construct 16 reinforced concrete and masonry structures; access roads, parking, bridge; functional underground sewer system to replicate an urban setting; one rubber tire and four wood construction structures for live-fire assault course.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Provides military operations in urbanized terrain (MOUT) mock-up training facilities. (Current mission.)

REQUIREMENT:

An adequate and properly-configured MOUT mock-up training complex. Difficulties in urban area combat, as proven by recent military engagements, are numerous and have generated a requirement for specialized training. These facilities are designed to meet this requirement. This project will provide The Basic School practice techniques of house-to-house and block-to-block clearing operations, techniques of clearing buildings from the top down and from the bottom up, and techniques of roof-top landing zones for helicopter assaults. It will also provide training in the employment of automatic weapons and snipers for covering fires, training in overcoming communications problems inherent in urban areas characterized by steel construction and electric power systems, and training in the use of smoke and chemical agents for cover and defense.

CURRENT SITUATION:

There are no facilities at this activity where Marines can acquire and maintain the proficiency required in MOUT operations. The existing combat village consists of ten buildings and provides only marginal training for some urban infantry tasks. The combat village cannot accommodate live fire because of its location and construction type.

IMPACT IF NOT PROVIDED:

Recent military engagements have revealed a critical need for upgrading our ability to conduct successful military operations in urban areas.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
MILITARY OPERATIONS IN URBANIZED TERRAIN	P-408

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
This project provides the facilities needed for training to accomplish this goal, thereby improving morale and reducing casualties in time of conflict in urban environments.

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	11-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	05-89
(D)	DATE DESIGN COMPLETE	12-89

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(190)
(B)	ALL OTHER DESIGN COSTS	(250)
(C)	TOTAL	440
(D)	CONTRACT	(400)
(E)	IN-HOUSE	(40)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA	OFFICE OF THE CHIEF OF NAVAL RESEARCH	0.96

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	0	0	6	0	0	0	0	0	6	12
b. END FY 1995	0	0	14	0	0	0	0	0	10	24

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT OF MCB	0
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	2,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	2,600
h. **GRAND TOTAL**	

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317.10	MIDWAY RESEARCH CTR UPGRDE	6,720	SF	2,600	02/89	03/90
	TOTAL			2,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide research on electronic equipment and systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA	MIDWAY RESEARCH CENTER UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
N F I P 0605001N	317.10	P-148	2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MIDWAY RESEARCH CENTER UPGRADE	SF	6,720	-	1,170
BUILDING	SF	6,720	95.00	(640)
BUILT-IN EQUIPMENT	LS	-	-	(530)
SUPPORTING FACILITIES	-	-	-	1,160
UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT	LS	-	-	(920)
SUBTOTAL	-	-	-	2,330
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST	-	-	-	2,450
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, masonry walls, computer flooring, grounding, secure compartmented information facility construction, temperature and humidity control, fire protection system, air conditioning, utilities; access road.

11. REQUIREMENT: 11,890 SF ADEQUATE: 5,170 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs a secure facility for research, development, testing, calibration, and quality assurance of newly developed electronic and computer equipment. Provides secure space to develop, validate and test equipment and generate new software programs for the Navy. (New mission.)

REQUIREMENT:
An adequate and properly-configured physically, electrically, and electronically secure compartmented information facility with supportive environmental control and high quality electric power for sophisticated electronic and computer equipment that develops and controls an essential system supporting Navy and Department of Defense efforts. It is necessary to have a clean environment free of ambient telemetry signals.

CURRENT SITUATION:
There are no available facilities to meet mission requirements with a clean signal radio frequency environment at the Naval Research Laboratory Washington, D.C. site.

IMPACT IF NOT PROVIDED:
The new electronic system necessary to implement this program will not have sufficient electronic equipment and software developmental space.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
MIDWAY RESEARCH CENTER UPGRADE	P-148

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	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	75
(C) DATE DESIGN 35% COMPLETE	08-89
(D) DATE DESIGN COMPLETE	03-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(135)
(B) ALL OTHER DESIGN COSTS	(210)
(C) TOTAL	345
(D) CONTRACT	(315)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
AEGIS COMBAT SYSTEMS CENTER, WALLOPS ISLAND, VIRGINIA	NAVAL SEA SYSTEMS COMMAND	1.02

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	8	32	19	7	25	0	3	14	18	126
b. END FY 1995	8	94	193	14	34	0	13	52	42	450

7. INVENTORY DATA ($000)

	TENANT OF NSWC
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,490
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	7,450
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	14,440

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AEGIS CMD & LIFE SUPT FAC	35,900	SF	5,490	05/89	04/90
	TOTAL			5,490		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
845.20	UTILITIES IMPROVEMENT	LS		1,500	-	-
	TOTAL			1,500		
B. MAJOR PLANNED NEXT THREE YEARS:						
721.11	BACHELOR ENLISTED QUARTERS	21,510	SF	3,750		
724.11	BACHELOR OFFICER QUARTERS	22,850	SF	3,700		

10. MISSION OR MAJOR FUNCTIONS:
NONE

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AEGIS COMBAT SYSTEMS CENTER, WALLOPS ISLAND, VIRGINIA	AEGIS COMMAND AND LIFE SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605001N	171.20	P-327	5,490

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AEGIS COMMAND AND LIFE SUPPORT FACILITY. . . .	SF	35,900	-	3,740
BUILDING	SF	35,900	102.00	(3,660)
BUILT-IN EQUIPMENT	LS	-	-	(80)
SUPPORTING FACILITIES.	-	-	-	1,190
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(210)
UTILITIES.	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(670)
SUBTOTAL	-	-	-	4,930
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST.	-	-	-	5,180
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	310
TOTAL REQUEST.	-	-	-	5,490
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, pile foundation, concrete floor, built-up roofing, sensitive compartmented information facility construction, TEMPEST shielding, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 35,900 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Consolidates the warfare training, administrative and logistical support functions into a single facility to augment the AEGIS Combat Systems Center (ACSC) at Wallops Island, Virginia. (Current mission.)

REQUIREMENT:
Adequate facilities for the ACSC to fulfill the needs of operational support to the rapidly increasing number of CG-47 and DDG-51 class cruisers and destroyers entering the fleet. Furnish spaces for the long-term need of training, electronic equipment staging and storage capability for tactical equipment spares and systems backfit, and administrative space to support two shore based operational ACSC sites.

CURRENT SITUATION:
Navy's present shipbuilding program is to add 56 AEGIS ships to the fleet, with 10 ships already in fleet use. An ACSC has been established at the NASA Wallops Island Flight Facility (WFF). There are no administrative and logistical support facilities to provide the necessary support to the ACSC. Navy occupies storage space leased from NASA on a short-term basis, and NASA has advised Navy that this space must be vacated soon to become available for their own requirements. Administrative spaces used by the Navy are in bachelor enlisted quarters on a short-term "request for diversion" basis, and must be vacated by February 1990. It is anticipated that relocatable structures will be in place and ready to accommodate the expanding supply and administrative functions. Upon completion of this project, the relocatable facilities will be relinquished. Training is being conducted at the Navy AEGIS Combat System Site (ACSS) on the NASA rocket launching range of Wallops Island. The classroom level team training and participation in

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

AEGIS COMBAT SYSTEMS CENTER, WALLOPS ISLAND, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
AEGIS COMMAND AND LIFE SUPPORT FACILITY	P-327

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
engineering tests and exercises is being impeded by the overcrowded facilities at ACSS. Evacuations because of rocket launches have interrupted the scheduling of classes, and the tight training routines of crews being indoctrinated for fleet operational assignments, operational exercises, and engineering test functions.

IMPACT IF NOT PROVIDED:
Navy will be unable to provide the necessary combat training and logistical support to the AEGIS System test site. NASA will evict Navy from current training spaces to convert it for its own use at the WFF. Navy may have to abandon the ACSS and completely rebuild in another location, thereby losing an optimum location, at considerable expense to the government for facilities already constructed on Wallops Island.

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(290)
(B) ALL OTHER DESIGN COSTS	(215)
(C) TOTAL	505
(D) CONTRACT	(490)
(E) IN-HOUSE	(15)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
TRIDENT REFIT FACILITY, BANGOR, WASHINGTON	COMMANDER IN CHIEF, PACIFIC FLEET	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	36	695	1097	0	0	0	0	0	0	1828
b. END FY 1995	40	750	1154	0	0	0	0	0	0	1944

7. INVENTORY DATA ($000)

	TENANT OF NSB
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	171,690
c. AUTHORIZATION NOT YET IN INVENTORY	3,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,020
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,150
f. PLANNED IN NEXT THREE PROGRAM YEARS	45,160
g. REMAINING DEFICIENCY	18,640
h. GRAND TOTAL	244,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
860.40	CRANE TRACKAGE EXTENSION	LS		910	12/87	10/89
441.30	HAZAR & FLAMM STOREHOUSE	11,500	SF	2,110	08/89	09/90
	TOTAL			3,020		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
610.20	DATA PROCESSING CTR ADDN	10,000	SF	2,150	-	-
	TOTAL			2,150		
B. MAJOR PLANNED NEXT THREE YEARS:						
213.30	HULL CLEANING/COATING FAC	11,610	SF	3,600		
441.10	SUPPLY WAREHOUSE	136,610	SF	14,000		
213.30	INDUSTRIAL SHOP	LS		14,230		
610.10	TRANSPORTATION FACILITY	1,700	SF	1,300		

10. MISSION OR MAJOR FUNCTIONS:

Provide complete repair and refit service for the Pacific Fleet TRIDENT ballistic missile submarines, including all required services for ships alongside at the base. Provide industrial support for homeported submarines during short and very labor intensive refit periods.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		** ,,

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRIDENT REFIT FACILITY, BANGOR, WASHINGTON	HAZARDOUS AND FLAMMABLE STOREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101896N	441.30	P-050	2,110

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS AND FLAMMABLE STOREHOUSE	SF	11,500	-	1,600
BUILDING	SF	11,500	117.00	(1,350)
BUILT-IN EQUIPMENT	LS	-	-	(250)
SUPPORTING FACILITIES	-	-	-	300
UTILITIES	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
SUBTOTAL	-	-	-	1,900
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,000
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,110
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, access doors, fire protection system, ventilation system, loading dock, automated storage and retrieval system, 24-foot high stacking height, utilities, security fencing, parking area.

11. REQUIREMENT: 11,500 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides storage warehouse for hazardous materials to support the TRIDENT submarine program. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facility for storage of hazardous materials including flammable, corrosives, oxidizers, and other regulated material. Bangor provides industrial support for the TRIDENT submarine and performs depot level overhauls of equipment in the TRIDENT Planned Equipment Replacement Program. Industrial support of the submarine is accomplished during short and very labor intensive refit periods. Proper levels of supply stock, conveniently located, are necessary for performing all planned as well as emergent work in an efficient and timely manner.

CURRENT SITUATION:
Initial planning for supply functions at this facility did not provide hazardous storage. Temporary storage space has been provided in a metal prefabricated building, which is occupied jointly with the fiberglass and plastics shop, inside the general warehouse and in the POL storage facility. These buildings do not comply with the governing regulations for hazardous storage facilities.

IMPACT IF NOT PROVIDED:
The ability to safely store hazardous materials will not be possible. Failure to stock the required levels of hazardous materials will result in production delays which could have a serious impact on ship departure schedules.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

TRIDENT REFIT FACILITY, BANGOR, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
HAZARDOUS AND FLAMMABLE STOREHOUSE	P-050

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	08-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(135)
(B) ALL OTHER DESIGN COSTS	(110)
(C) TOTAL	245
(D) CONTRACT	(210)
(E) IN-HOUSE	(35)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON	CHIEF OF NAVAL EDUCATION AND TRAINING	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	43	400	39	0	0	0	0	0	0	482
b. END FY 1995	51	464	43	0	0	0	0	0	0	558

7. INVENTORY DATA ($000)

	TENANT OF NSB
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	41,440
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,610
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	45,050

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	FIRE FIGHTING TRAINING FAC	14,320	SF	3,610	03/89	11/90
	TOTAL			3,610		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide facilities and training courses peculiar to Ohio-class ballistic missile submarines for personnel assigned to the Navy submarine base Bangor Washington; furnish specific operationally-oriented support to submarines to ensure maximun effictiveness of their sensor systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON	FIRE FIGHTING TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0804731N	179.45	P-993	3,610

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY.	SF	14,320	-	2,380
TRAINING BUILDING.	SF	5,770	260.00	(1,500)
SUPPORT BUILDING	SF	8,550	97.00	(830)
BUILT-IN EQUIPMENT	LS	-	-	(50)
SUPPORTING FACILITIES.	-	-	-	870
UTILITIES.	LS	-	-	(410)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(460)
SUBTOTAL	-	-	-	3,250
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,410
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,610
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame and reinforced concrete buildings, concrete floors, fire protection system, utilities, air conditioning, wastewater treatment tanks and pumps, propane tanks, water storage tanks and pumps, technical operating manuals.

11. REQUIREMENT: 14,320 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a fire fighting trainer. (Current mission.)

REQUIREMENT:
Adequate facilities to accommodate three submarine-unique hands-on fire fighting training courses for 6,000 students per year.

CURRENT SITUATION:
Currently, there is no capability for conducting realistic fire fighting training. Present training is limited in scope and conducted in an interim fire fighting trainer which only provides exposure to basic fire fighting principles.

IMPACT IF NOT PROVIDED:
The activity will not be able to meet the established mission for fire fighting training because of the limitations of the interim trainer. The combat readiness of operating submarines will be degraded.

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.	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990.	60
(C) DATE DESIGN 35% COMPLETE	06-89

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTING TRAINING FACILITY	P-993

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 11-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(160)
(B) ALL OTHER DESIGN COSTS	(245)
(C) TOTAL	405
(D) CONTRACT	(305)
(E) IN-HOUSE	(100)

(4) CONSTRUCTION START. 01-91
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON	NAVAL SEA SYSTEMS COMMAND	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	465	5533	13154	4	0	0	0	0	0	19156
b. END FY 1995	490	7074	13162	2	0	0	27	415	0	21170

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,393)	
b. INVENTORY TOTAL AS OF 30 SEP 89		418,310
c. AUTHORIZATION NOT YET IN INVENTORY		50,383
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		23,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		6,900
g. REMAINING DEFICIENCY		47,440
h. GRAND TOTAL		548,033

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
813.20	DRY DOCK UTILITIES UPGRADE	LS	2,000	03/89	05/90
	TOTAL		2,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
213.65	INDUS SPT COMPLEX(INCR II)	85,500	SF	20,300	09/88	10/90
163.20	MOORING PLATFORM	LS		2,700	-	-
	TOTAL			23,000		
B. MAJOR PLANNED NEXT THREE YEARS:						
213.60	ABRASIVE BLAST MATERL FAC	9,400	SF	1,200		
151.50	PIER UPGRADE	LS		5,700		

10. MISSION OR MAJOR FUNCTIONS:

Maintenance and overhaul of surface ships up to and including attack carriers, and attack and fleet ballistic missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and drydocking of surface ships and modern submarines. The yard also provides support for air and submarine warfare weapon systems. Homeport to aircraft carrier, two cruisers and two ammunition ships.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

		($000)
A:	POLLUTION ABATEMENT	930
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON	DRY DOCK UTILITIES UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702228N	813.20	P-252	2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DRY DOCK UTILITIES UPGRADE	LS	-	-	1,800
SUBSTATION UPGRADE	LS	-	-	(1,400)
SERVICE TUNNEL	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(120)
RAILROAD TRACK RELOCATION.	LS	-	-	(150)
SUBTOTAL	-	-	-	1,800
CONTINGENCY (5%)	-	-	-	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

Upgrade substations; pure water service; building utility service tunnels; industrial electrical circuits upgrade; repair saltwater lines; relocate railroad tracks.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Installs high voltage cable, upgrades substations, walk-through service tunnels, pure water system, repairs salt water system, and relocates railroad tracks. (Current mission.)

REQUIREMENT:

Adequate and reliable utilities to support industrial and ship operations in accommodating overhaul and repair of a nuclear class surface ship (CGN) and submarines (SSBN, SSN) in Dry Dock 4. Two sources of electric power, one from the Bonneville Power Administration (BPA) and the other from the Shipyard power plant, via different transformers to prevent loss of power in the event one transformer should fail.

CURRENT SITUATION:

Dry Dock 4 was routinely used to support non-nuclear overhauls, while nuclear overhauls were accomplished in other heavily scheduled dry docks. Current utilities are adequate for supporting most classes of non-nuclear ships, but are inadequate to service and support nuclear vessels. An interim measure was taken to permit simultaneous overhauls on two nuclear submarines (SSN) and a post shakedown availability (PSA) on a TRIDENT (SSBN) by utilizing a nearby substation to power a portable transformer. Temporary power lines were routed to the dry dock to provide the necessary super shore power required by a Los Angeles class submarine. The 8,000 amperes required by the Los Angeles is the largest electric power requirement for any nuclear vessel that can be docked in Dry Dock 4. This temporary solution should not be considered a permanent answer for electric power, since it leaves two dewatering pumps disconnected.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
DRY DOCK UTILITIES UPGRADE	P-252

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:
Inability of the shipyard to provide adequate and reliable utilities, including electric power, pure water, and saltwater, to eliminate impact on delaying ships and submarines undergoing overhaul and repairs, and their availability to the fleet.

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	03-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	90
(C)	DATE DESIGN 35% COMPLETE	07-89
(D)	DATE DESIGN COMPLETE	05-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(70)
(B)	ALL OTHER DESIGN COSTS	(100)
(C)	TOTAL	170
(D)	CONTRACT	(160)
(E)	IN-HOUSE	(10)

(4) CONSTRUCTION START: 10-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, EVERETT, WASHINGTON	COMMANDER IN CHIEF, PACIFIC FLEET	1.19

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	0	0	0	0	0	0	0	0	0	0
b. END FY 1995	426	6367	620	0	0	0	0	0	0	7413

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(417)	
b. INVENTORY TOTAL AS OF 30 SEP 89		66,540
c. AUTHORIZATION NOT YET IN INVENTORY		181,720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		22,267
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		33,790
f. PLANNED IN NEXT THREE PROGRAM YEARS		25,000
g. REMAINING DEFICIENCY		104,200
h. GRAND TOTAL		433,517

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	CARRIER SUPPORT	LS	15,777	06/86	09/90
131.15	COMMUNICATION FACILITY	6,110 SF	1,660	06/86	09/88
730.10	SECURITY & FIRE STATION	6,850 SF	1,760	06/86	09/88
932.20	UTILITIES AND SITE IMPROVS	LS	3,070	07/85	11/88
	TOTAL		22,267		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

610.10	ADMIN FACILITY	LS	5,000	-	-
831.41	HAZARDOUS WASTE FACILITY	7,800 SF	1,200	-	-
740.64	MESS HALL	LS	2,600	-	-
831.16	OILY WATER SEPARATION	LS	3,000	-	-
740.84	PHYSICAL FITNESS FACILITY	LS	7,400	-	-
932.20	U&SI	LS	4,940	-	-
932.20	U&SI	LS	9,650	-	-
	TOTAL		33,790		

10. MISSION OR MAJOR FUNCTIONS:

Provide homeport facilities and logistic support for an Aircraft Carrier Battle Group to be assigned to this new strategic homeport. Provide harbor and waterfront facilities, exchange, personnel support, athletic and recreational, berthing, and messing services.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, EVERETT, WASHINGTON	CARRIER SUPPORT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	812.30	P-089	15,777

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CARRIER SUPPORT	LS	-	-	14,170
TRANSIT SHED AND STORAGE	LS	-	-	(7,310)
PORT SERVICES/PUBLIC WORKS/GROUND SUPPORT	LS	-	-	(6,860)
SUBTOTAL	-	-	-	14,170
CONTINGENCY (5%)	-	-	-	710
TOTAL CONTRACT COST	-	-	-	14,880
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	897
TOTAL REQUEST	-	-	-	15,777
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three one-story steel frame and masonry buildings, concrete floors, sloped metal roofs, pile and reinforced concrete foundations; cranes, hoists, port control tower, open storage, utilities, paving, site improvements.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs a transit shed, hazardous/flammable storage facility, open and covered storage, port services and public works shops, a port control tower, and a ground support and armament handling equipment shed. (New mission.)

REQUIREMENT:

Adequate facilities to support the homeporting of an Aircraft Carrier Battle Group (CVBG) as part of the Navy's strategic homeporting initiative in the Pacific Northwest. The primary mission of port services and public works is to manage safe berthing of the battle group and provide necessary in-port services such as brows, utility connections, tow services and facility maintenance. The transit shed will provide for storage, laydown, sorting, repackaging, and transshipment of materials going to and from ships, and a separate storage facility for hazardous and flammable materials.

CURRENT SITUATION:

Naval Station Everett is a new homeport under construction. Prior increments have provided facilities needed to meet a portion of the base infrastructure and berthing requirements. However, additional operational facilities are required to provide adequate support for the CVBG.

IMPACT IF NOT PROVIDED:

Materials would have to be left in unprotected areas subject to weather damage and theft. Efficiency of materials supply and repair operations would be greatly reduced. No area would be available for the safe storage of hazardous materials, thereby increasing risks to personnel and

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, EVERETT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
CARRIER SUPPORT	P-089

11. REQUIREMENT: (CONTINUED)
IMPACT IF NOT PROVIDED: (CONTINUED)
facilities. A lack of maintenance and service capabilities will have an adverse effect on the availability and reliability of equipment.

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	06-86
(B)	PERCENT COMPLETE AS OF JANUARY 1990	75
(C)	DATE DESIGN 35% COMPLETE	08-89
(D)	DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(840)
(B)	ALL OTHER DESIGN COSTS	(480)
(C)	TOTAL	1,320
(D)	CONTRACT	(1,210)
(E)	IN-HOUSE	(110)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		' '

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, EVERETT, WASHINGTON	COMMUNICATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	131.15	P-145	1,660

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATION FACILITY	SF	6,110	-	1,150
COMMUNICATION CENTER	SF	4,050	189.00	(770)
TELEPHONE EXCHANGE	SF	2,060	136.00	(280)
BUILT-IN EQUIPMENT	LS	-	-	(100)
SUPPORTING FACILITIES	-	-	-	340
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(40)
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(300)
SUBTOTAL	-	-	-	1,490
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,570
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building with pre-formed metal siding, access flooring, fire protection system, emergency electric power, utilities, paving, special ventilation and air conditioning.

11. REQUIREMENT: 6,110 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides facilities for telecommunications and telephone exchange functions. (New mission.)

REQUIREMENT:
Adequate communication facilities to support homeporting of an Aircraft Carrier Battle Group as part of the Navy's strategic homeporting initiative in the Pacific Northwest.

CURRENT SITUATION:
No facilities currently exist for telecommunications or telephones.

IMPACT IF NOT PROVIDED:
An absence of facilities for telecommunications and telephone functions will impair the ability of the naval station to support the battle group.

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	06-86
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	01-87
(D)	DATE DESIGN COMPLETE	09-88

(2) BASIS:

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, EVERETT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNICATION FACILITY	P-145

12. SUPPLEMENTAL DATA: (CONTINUED)

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

		($000)
(3)	TOTAL COST (C) = (A) + (B) OR (D) + (E):	
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(95)
(B)	ALL OTHER DESIGN COSTS	(165)
(C)	TOTAL	260
(D)	CONTRACT	(220)
(E)	IN-HOUSE	(40)
(4)	CONSTRUCTION START	01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, EVERETT, WASHINGTON	SECURITY AND FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	730.10	P-117	1,760

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY AND FIRE STATION.	SF	6,850	-	1,280
FIRE STATION	SF	4,770	141.00	(670)
POLICE STATION	SF	2,080	155.00	(320)
BUILT-IN EQUIPMENT	LS	-	-	(290)
SUPPORTING FACILITIES.	-	-	-	300
UTILITIES, PAVING AND SITE IMPROVEMENT . . .	LS	-	-	(300)
SUBTOTAL	-	-	-	1,580
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST.	-	-	-	1,660
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	100
TOTAL REQUEST.	-	-	-	1,760
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building, concrete foundation, high-bay area in fire station, utilities, fire protection system, special ventilation, emergency electric power.

11. REQUIREMENT: 6,850 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a fire station and a police station. (New mission.)
REQUIREMENT:
Adequate security and fire fighting facilities to protect the ships of the aircraft carrier battle group and the station.
CURRENT SITUATION:
No facilities currently exist for security or fire protection.
IMPACT IF NOT PROVIDED:
Without an on-base fire station, fire fighting service will have to be provided by the City of Everett fire department. The increased time required to answer alarms will increase the potential for loss of property and life. Security for the battle group and the station will be severely impaired without facilities to house required security operations.

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. 06-86
- (B) PERCENT COMPLETE AS OF JANUARY 1990. 100
- (C) DATE DESIGN 35% COMPLETE 01-87
- (D) DATE DESIGN COMPLETE 09-88

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, EVERETT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
SECURITY AND FIRE STATION	P-117

12. SUPPLEMENTAL DATA: (CONTINUED)

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(95)
(B)	ALL OTHER DESIGN COSTS	(95)
(C)	TOTAL	190
(D)	CONTRACT	(150)
(E)	IN-HOUSE	(40)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, EVERETT, WASHINGTON	UTILITIES AND SITE IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	932.20	P-082	3,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENTS.	LS	-	-	2,750
SUBTOTAL	-	-	-	2,750
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,890
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,070
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Utilities including sanitary sewer, potable water, electrical, telecommunications, natural gas; utility connections, storm drainage, grading, surcharge, fencing, paving, site improvements.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Constructs utilities and site improvements, provides for utilities connections. (New mission.)

REQUIREMENT:
Adequate utilities and site improvements required for homeporting an Aircraft Carrier Battle Group (CVBG) as part of the Navy's strategic homeporting initiative in the Pacific Northwest.

CURRENT SITUATION:
Naval Station Everett is a new homeport under construction. Prior increments have provided facilities needed to meet a portion of the base infrastructure requirements. However, completion of these facilities is necessary to provide adequate support for the CVBG.

IMPACT IF NOT PROVIDED:
Utilities and site improvements required for facilities being constructed to support the CVBG will be incomplete, resulting in severe adverse impacts on homeport operations.

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. 07-85
(B) PERCENT COMPLETE AS OF JANUARY 1990. 100

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, EVERETT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
UTILITIES AND SITE IMPROVEMENTS	P-082

12. SUPPLEMENTAL DATA: (CONTINUED)

(C) DATE DESIGN 35% COMPLETE 04-88
(D) DATE DESIGN COMPLETE 11-88

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (60)
(B) ALL OTHER DESIGN COSTS . . . . . (55)
(C) TOTAL. 115
(D) CONTRACT . . . . . (105)
(E) IN-HOUSE . . . . . (10)

(4) CONSTRUCTION START. 01-91
(MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	NAVAL SEA SYSTEMS COMMAND	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	22	293	3215	0	0	0	2	1	0	3533
b. END FY 1995	19	288	3215	0	0	0	2	1	0	3525

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,934)	
b. INVENTORY TOTAL AS OF 30 SEP 89		81,850
c. AUTHORIZATION NOT YET IN INVENTORY		23,180
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		18,590
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,550
g. REMAINING DEFICIENCY		27,550
h. GRAND TOTAL		158,420

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
216.77	AUTOMATED MATRLS HDLG FAC	28,490	SF	7,340	08/86	06/90
730.10	FIRE STATION	7,690	SF	1,100	04/86	04/87
213.51	SUB WPNS SYSTEMS SHOP	74,400	SF	10,150	02/89	09/90
	TOTAL			18,590		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

151.20	GENL PURP/BERTHING PIER	6,240	SF	2,500	-	-
318.10	PROPULSION SYS LAB	24,760	SF	2,200	-	-
	TOTAL			4,700		

B. MAJOR PLANNED NEXT THREE YEARS:

143.15	RANGE OPS BUILDING	2,800	SF	1,300
212.30	TOMAHAWK MISSILE TEST CELL	1,300	SF	1,250
229.50	NPPSBD PRINTING PLANT	LS		500

10. MISSION OR MAJOR FUNCTIONS:

Proof, test, and evaluate underwater weapons, weapons systems, and components; exercise design cognizance of underwater weapon systems acoustic and tracking ranges and associated range equipment; provide engineering and technical support services for designated undersea warfare programs; provide material and logistics support for assigned weapon systems, weapons or components; act as in-service engineering agent for designated undersea weapons systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	600
B: INSTALLATION RESTORATION	10,040
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	AUTOMATED MATERIALS HANDLING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702031N	216.77	P-295	7,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUTOMATED MATERIALS HANDLING FACILITY	SF	28,490	-	6,160
BUILDING	SF	28,490	74.00	(2,110)
BUILT-IN EQUIPMENT	LS	-	-	(4,050)
SUPPORTING FACILITIES	-	-	-	430
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(230)
UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	6,590
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST	-	-	-	6,920
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	420
TOTAL REQUEST	-	-	-	7,340
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,440)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay metal building, pile foundation, concrete floor, high-density rack storage system with automated guided retrieval vehicles, computer control area, fire protection system, ventilation, utilities.

11. REQUIREMENT: 28,490 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a centralized secure automated storage facility for torpedo components. (Current mission.)

REQUIREMENT:

Efficient storage, inventory, retrieval and handling of in-process MK-48 torpedo components, parts and assemblies. There are 80,000 to 100,000 major components and sub-assemblies for MK-48 and MK-48 (ADCAP) torpedoes in process at any one time at the station. In 1985, the rate of production was only 276 units annually. By 1989, a production rate of 525 units will be required. Automated handling of components with real-time inventory control will be necessary to attain the production rates.

CURRENT SITUATION:

Production shop floor space and some vertical storage racks are used to store MK-48 torpedo sections and parts. The amount of available space is not adequate requiring many units to be stored outside and in some cases, up to six miles from the shop. Items are retrieved when needed by manually searching through the various storage sites. Frequently, several units must be moved to retrieve the required item. This method of operation is labor intensive and inefficient which increases production costs and the inventory of torpedo components. While marginally adequate for previous MK-48 production, the addition of the MK-48 ADCAP workload makes these methods no longer feasible. The ADCAP program has more stringent security and inventory regulations which must be accommodated.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
AUTOMATED MATERIALS HANDLING FACILITY	P-295

11. REQUIREMENT: (CONTINUED)

IMPACT IF NOT PROVIDED:
Increased costs and turn-around time for the MK-48 and ADCAP torpedoes caused by the congested work areas and increased rework because of components being damaged from multiple handling.

ADDITIONAL:
An economic analysis has been performed and indicates a payback period of less than 2 years.

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	08-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	12-86
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(350)
(B) ALL OTHER DESIGN COSTS	(400)
(C) TOTAL	750
(D) CONTRACT	(725)
(E) IN-HOUSE	(25)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INVENTORY COMPUTER SYS	WPN-3	1990	1,440
		TOTAL	1,440

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	FIRE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	730.10	P-309	1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE STATION	SF	7,690	-	650
BUILDING	SF	4,800	104.00	(500)
FIRE STATION RENOVATION.	SF	2,890	52.00	(150)
SUPPORTING FACILITIES.	-	-	-	340
UTILITIES.	LS	-	-	(270)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(70)
SUBTOTAL	-	-	-	990
CONTINGENCY (5%)	-	-	-	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

One-story reinforced concrete frame building, concrete floor and foundation, masonry walls, built-up roof over metal decking, hose drying tower, fire protection system, ventilation, utilities; interior renovation of existing fire house for administration space and communication center.

11. REQUIREMENT: 7,690 SF ADEQUATE: 0 SF SUBSTANDARD: (2,890) SF

PROJECT:
Constructs a two-company fire station and alters vacated building for a communications center. (Current mission.)

REQUIREMENT:
Adequate facilities to insure fire protection for personnel and ammunition facilities. Response time between fire station and ship berthing and pier facilities must be less than four and one-half minutes or be within two miles of the waterfront where ships berth and load or unload ordnance and ammunition.

CURRENT SITUATION:
Fire protection for this remote location is provided by station forces. The existing fire station is located on the south end of the island and cannot meet the response time or distance requirement. The existing facility only accommodates one fire company whereas two companies are required to satisfy the fire protection support necessary to prevent a major catastrophe in the event of an explosion or fire. The vacated fire house will be altered to provide a central communications center. There is presently no communications center capability on the island.

IMPACT IF NOT PROVIDED:
Fire protection for personnel safety and ammunition facilities would continue to be marginal and may jeopardize the handling and security of ordnance.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE STATION	P-309

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	04-86
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	11-86
(D) DATE DESIGN COMPLETE	04-87

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(65)
(B) ALL OTHER DESIGN COSTS	(45)
(C) TOTAL	110
(D) CONTRACT	(90)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON	SUBMARINE WEAPONS SYSTEMS SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	213.51	P-337	10,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUBMARINE WEAPONS SYSTEMS SHOP	SF	74,400	-	8,370
BUILDING	SF	74,400	111.00	(8,260)
BUILT-IN EQUIPMENT	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	750
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(220)
UTILITIES	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(220)
SUBTOTAL	-	-	-	9,120
CONTINGENCY (5%)	-	-	-	460
TOTAL CONTRACT COST	-	-	-	9,580
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	570
TOTAL REQUEST	-	-	-	10,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building, pile foundation, concrete floors, built-up roof, shops, laboratories, office spaces, staging and storage areas, vault, computer room with computer flooring, training room, shielding; 400 Hz electric power, high and low pressure air systems, temperature and humidity controlled areas, ventilation, cooled water system, fire protection system, air conditioning, utilities; demolition of one building.

11. REQUIREMENT: 74,400 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Constructs a facility to accommodate five vital submarine weapons shop functions, and consolidates 22 scattered submarine weapons activities. (Current mission.)

REQUIREMENT:

Adequate component repair, upgrade, refurbishment and test space for fire control, defensive weapon, combat control and sonar systems to support SSN 637, 688, and 21 classes of SSBN submarines. Keyport is the designated Navy Depot for these critical submarine weapons systems and adequate facilities to support present and new programs are essential. Depot facilities must be available for a nearly five-fold increase in sonar systems between 1986 and 1992. Combat control system support will increase by 150% during the same period. For the SSBN combat system, sonar and defensive weapon systems work will also grow. Further requirements include a 167% increase in fire control system refurbishment work.

CURRENT SITUATION:

Inadequate, crowded and inefficient weapons systems' shop spaces are contributing to high cost operations because there is a wide separation of related industrial functions. Existing program needs occupy all available spaces. Present shop and test functions occupy portions of 22 separate buildings spread over four sites, Keyport and Bangor-6 miles away, Brownsville-3 miles away, and Indian Island-36 miles away. These

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
SUBMARINE WEAPONS SYSTEMS SHOP	P-337

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
widely dispersed locations result in unnecessary travel, security problems, inefficient personnel usage, increased technical response time, and an absence of centralized, cost-effective management. It is estimated $50,000 annually in equipment damage is incurred because of movement between work locations.

IMPACT IF NOT PROVIDED:
Submarine combat readiness critical to the national defense will be adversely impacted. Severe overcrowding will continue and will worsen resulting in diminished response time to the fleet. Lost personnel-time because of unnecessary travel between the scattered sites, now computed at about 1,700 man hours annually, will be certain to increase. Added activity costs will be incurred for leasing of commercial, nonsecure spaces to accommodate five new programs..

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	02-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	35
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(490)
(B) ALL OTHER DESIGN COSTS	(165)
(C) TOTAL	655
(D) CONTRACT	(605)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL HOSPITAL, OAK HARBOR, WASHINGTON	NAVAL MEDICAL COMMAND	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	54	112	61	0	0	0	0	0	0	227
b. END FY 1995	59	124	61	0	0	0	0	0	0	244

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NAS
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,180
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,180

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	AVIAT PHYSIOLOGY TRG FAC	13,800	SF	2,180	11/85	12/89
	TOTAL			2,180		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
(Aviation Physiology Training Unit): Provide indoctrination and refresher training to aircrew in aviation physiology and life support equipment. Instruction on respiration, circulation, acceleration, spatial orientation and vision to enable pilots and aircrewmen to become familiar with their physical limitations and thus react better to emergency situations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, OAK HARBOR, WASHINGTON	AVIATION PHYSIOLOGY TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	171.20	P-007	2,180

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION PHYSIOLOGY TRAINING FACILITY.	SF	13,800	120.00	1,660
SUPPORTING FACILITIES.	-	-	-	300
ELECTRICAL UTILITIES	LS	-	-	(80)
MECHANICAL UTILITIES	LS	-	-	(90)
PAVING & SITE IMPR, RELOCATE, DEMOLITION .	LS	-	-	(130)
SUBTOTAL	-	-	-	1,960
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,060
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,180
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, concrete foundation and floor, pre-cast concrete wall panels, built-up roof; administration, classrooms, specialized training and equipment rooms, instructors offices, fire protection system, air conditioning, utilities; relocate low-pressure altitude training chamber and ejection seat trainer devices; provide specialized equipment support, and technical operating manuals to support training units; demolition of one building.

11. REQUIREMENT: 13,800 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs training facility including administrative space, classrooms, low-pressure chamber, and ejection seat training devices. (Current mission.)

REQUIREMENT:
Adequate space to accommodate aviation physiology and water survival classroom training for all aviation personnel in the northwest region including fleet aviation base loading at Whidbey Island for 21 squadrons. This project will relieve congestion and fragmentation of services.

CURRENT SITUATION:
Functions are now carried out in an inadequate area having structural and OSHA deficiencies and less than half the space required, and inconveniently located a considerable distance from the hospital. Austere facilities are not conducive to the presentation, practical application, and retention of vital training in flight stress and emergency procedures. Wide separation of the training spaces and classrooms from the medical facility results in excessive travel time and wasted motion. No other facilities are available of sufficient size or proper location to house these functions.

IMPACT IF NOT PROVIDED:
Unable to comply with directives to provide sufficient aviation physiology and aircrew flight equipment training to all Fleet aviation personnel.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, OAK HARBOR, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION PHYSIOLOGY TRAINING FACILITY	P-007

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	11-85
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	06-89
(D)	DATE DESIGN COMPLETE	12-89

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___ NO_X_
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(115)
(B)	ALL OTHER DESIGN COSTS	(140)
(C)	TOTAL	255
(D)	CONTRACT	(240)
(E)	IN-HOUSE	(15)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	STRATEGIC SYSTEMS PROJECTS OFFICE	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	17	91	352	0	0	0	0	0	0	460
b. END FY 1995	17	98	356	0	0	0	0	0	0	471

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)	
b. INVENTORY TOTAL AS OF 30 SEP 89	118,910
c. AUTHORIZATION NOT YET IN INVENTORY	15,060
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	56,480
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	49,590
f. PLANNED IN NEXT THREE PROGRAM YEARS	92,566
g. REMAINING DEFICIENCY	7,500
h. GRAND TOTAL	340,106

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	ENGINEERING SERVICES BLDG	21,100	SF	3,520	08/88	04/90
421.62	MAGAZINE MODIFICATIONS	LS		800	03/89	04/90
212.30	MISSILE ASSEMBLY BLDG	24,550	SF	7,340	05/88	11/89
212.30	MOTOR INSPECTION BUILDING	16,300	SF	6,630	12/88	04/90
212.30	RADIOGRAPHIC INSPEC BLDG	29,930	SF	13,870	12/88	08/90
171.20	TRAINING FACILITY ADDITION	39,500	SF	9,740	12/88	08/90
143.60	TRANSFER FACILITY ADDITION	10,050	SF	3,520	06/87	12/89
932.20	UTILS & SITE IMPROVEMENTS	LS		11,060	08/88	04/90
	TOTAL			56,480		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

152.10	EHW MODIFICATION	LS		545	-	-
212.77	LAUNCHER SUPPORT BUILDING	8,840	SF	2,880	-	-
212.30	MISSILE ASSEMBLY BLG & CSA	LS		350	-	-
212.30	MISSILE ASSEMBLY BUILDING	16,790	SF	7,400	-	-
421.72	MISSILE MOTOR MAGS	LS		11,900	-	-
421.72	MSL MOTOR MAGS MODS	LS		6,600	-	-
421.72	REENTRY BODY MAGS	LS		8,400	-	-
932.20	UTILITIES & SITE IMPVS	LS		11,515	-	-
	TOTAL			49,590		

10. MISSION OR MAJOR FUNCTIONS:

Provide support on west coast for the operational TRIDENT system of submarines and long range missiles, including processing capability for assembly and disassembly of both explusive and non-explosive components of the TRIDENT II (D-5) missile.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	ENGINEERING SERVICES BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	610.10	P-806	3,520

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINEERING SERVICES BUILDING.	SF	21,100	118.00	2,490
SUPPORTING FACILITIES.	-	-	-	670
ELECTRICAL UTILITIES	LS	-	-	(190)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(350)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,520
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame building, reinforced concrete panel walls, concrete foundation and floor, single-ply membrane roof, computer flooring; fire protection system; communications; underground utilities duct system; utilities; storm drainage; air conditioning.

11. REQUIREMENT: 94,200 SF ADEQUATE: 73,100 SF SUBSTANDARD: 0 SF

PROJECT:
Provides an engineering services building. (New mission.)
REQUIREMENT:
Adequate administrative, engineering, training, supply, data processing, and computer equipment spaces to support TRIDENT II missile production.
CURRENT SITUATION:
A TRIDENT II missile processing capability does not currently exist at the base. The existing engineering services building is being fully utilized to support TRIDENT I missile production.
IMPACT IF NOT PROVIDED:
The base will be incapable of housing engineering administrative personnel and computer equipment required to support the TRIDENT II Strategic Weapons Facility production operations.

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.	08-88
(B) PERCENT COMPLETE AS OF JANUARY 1990.	90
(C) DATE DESIGN 35% COMPLETE	02-89
(D) DATE DESIGN COMPLETE	04-90

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
ENGINEERING SERVICES BUILDING	P-806

12. SUPPLEMENTAL DATA: (CONTINUED)

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(185)
(B)	ALL OTHER DESIGN COSTS	(230)
(C)	TOTAL	415
(D)	CONTRACT	(390)
(E)	IN-HOUSE	(25)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	MISSILE ASSEMBLY BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	212.30	P-937	7,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE ASSEMBLY BUILDING	SF	24,550	-	4,770
BUILDING	SF	24,550	174.00	(4,270)
BUILT-IN EQUIPMENT	LS	-	-	(500)
SUPPORTING FACILITIES	-	-	-	1,820
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(110)
ELECTRICAL UTILITIES	LS	-	-	(400)
MECHANICAL UTILITIES	LS	-	-	(620)
PAVING AND SITE IMPROVEMENT	LS	-	-	(690)
SUBTOTAL	-	-	-	6,590
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST	-	-	-	6,920
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	420
TOTAL REQUEST	-	-	-	7,340
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(6,880)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame building with high-bay area, special concrete foundation and floors, insulated masonry and metal walls, single-ply membrane roof, loading dock; fire protection system; lightning protection; electrical and mechanical utilities; storm drainage; earth berms; cranes; air conditioning.

11. REQUIREMENT: 222,020 SF ADEQUATE: 197,470 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a missile assembly building. (New mission.)

REQUIREMENT:
Adequate missile processing facilities to maintain the required production rate for TRIDENT II missiles. Activities include missile section buildup, horizontal missile assembly/disassembly, nose fairing mate/demate, missile transfer to and from missile transporter, missile systems testing, post-mate checkout, and final missile inspection, checkout and transfer of TRIDENT II missiles.

CURRENT SITUATION:
A TRIDENT II missile processing capability does not currently exist at this facility. Existing missile assembly buildings cannot provide the total required processing capability for TRIDENT I and II missiles.

IMPACT IF NOT PROVIDED:
The increased production rate of TRIDENT II missiles required to support the Pacific Fleet deployment schedule will not be possible.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE ASSEMBLY BUILDING	P-937

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	05-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	11-88
(D) DATE DESIGN COMPLETE	11-89

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(400)
(B) ALL OTHER DESIGN COSTS	(280)
(C) TOTAL	680
(D) CONTRACT	(660)
(E) IN-HOUSE	(20)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ELECTRICAL, MECHANICAL AND TECHNICAL EQUIPMENT	WPN	1989	6,880
		TOTAL	6,880

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	MOTOR INSPECTION BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	212.30	P-809	6,630

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MOTOR INSPECTION BUILDING	SF	16,300	-	5,100
BUILDING	SF	16,300	221.00	(3,600)
BUILT-IN EQUIPMENT	LS	-	-	(1,500)
SUPPORTING FACILITIES	-	-	-	860
ELECTRICAL UTILITIES	LS	-	-	(230)
MECHANICAL UTILITIES	LS	-	-	(90)
LIGHTNING PROTECTION	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT	LS	-	-	(320)
SUBTOTAL	-	-	-	5,960
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST	-	-	-	6,260
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	370
TOTAL REQUEST	-	-	-	6,630
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(2,070)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story concrete and steel frame masonry building, concrete foundation, frangible siding, single-ply membrane roof; underground utilities distribution; mechanical utilities; electrical substation and utilities; fire protection system; lightning protection; cranes; air conditioning; berms; storm drainage.

11. REQUIREMENT: 213,770 SF ADEQUATE: 197,470 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a Motor Inspection Building. (New mission.)
REQUIREMENT:
Adequate facilities to maintain the required rate of first, second and third stage motor processing for TRIDENT II missiles. Activities include thrust and vector control system installation and removal, motor pressurization leak testing, conduit installation and removal, igniter replacement, motor repair and nozzle replacement.
CURRENT SITUATION:
A TRIDENT II missile processing capability does not currently exist at the base.
IMPACT IF NOT PROVIDED:
The base will be unable to fulfill its function as a TRIDENT II missile assembly facility in support of the Pacific Fleet deployment schedule.

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 12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990 95

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
MOTOR INSPECTION BUILDING	P-809

12. SUPPLEMENTAL DATA: (CONTINUED)

(C) DATE DESIGN 35% COMPLETE 08-89
(D) DATE DESIGN COMPLETE 04-90

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (430)
(B) ALL OTHER DESIGN COSTS . . . . . (300)
(C) TOTAL. 730
(D) CONTRACT . . . . . (690)
(E) IN-HOUSE . . . . . (40)

(4) CONSTRUCTION START. 12-90
(MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ELECTRICAL, MECHANICAL AND TECHNICAL EQUIPMENT	WPN	1989 - 1990	2,070
		TOTAL	2,070

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	RADIOGRAPHIC INSPECTION BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	212.30	P-807	13,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RADIOGRAPHIC INSPECTION BUILDING	SF	29,930	-	11,560
BUILDING	SF	29,930	318.00	(9,520)
BUILT-IN EQUIPMENT	LS	-	-	(2,040)
SUPPORTING FACILITIES	-	-	-	900
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(70)
LIGHTNING PROTECTION	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT	LS	-	-	(450)
SUBTOTAL	-	-	-	12,460
CONTINGENCY (5%)	-	-	-	620
TOTAL CONTRACT COST	-	-	-	13,080
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	790
TOTAL REQUEST	-	-	-	13,870
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(21,460)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel frame and concrete building on reinforced concrete foundation with high-bay motor inspection cells, single-ply membrane roof, concrete floor with elevator/turntable pits and downender pits; underground utilities distribution; mechanical and electrical utilities; radiation shielding; fire protection system; lightning protection; communications; earth berms; storm drainage; cranes; air conditioning.

11. REQUIREMENT: 227,400 SF ADEQUATE: 197,470 SF SUBSTANDARD: 0 SF

PROJECT:

Provides a radiographic inspection building. (New mission.)

REQUIREMENT:

Adequate facilities to maintain the required rate of radiographic inspection of TRIDENT II first, second, and third stage motors and small ordnance items. Activities include erecting rocket motors, transporting and positioning motors for radiographic inspection, x-ray inspection of gas generators and other small ordnance items, and x-ray film processing support.

CURRENT SITUATION:

A TRIDENT II radiographic inspection capability does not currently exist at this facility.

IMPACT IF NOT PROVIDED:

This facility will not be able to conduct radiographic inspection of TRIDENT II motors, adversely impacting missile reliability.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
RADIOGRAPHIC INSPECTION BUILDING	P-807

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. 12-88
- (B) PERCENT COMPLETE AS OF JANUARY 1990. 85
- (C) DATE DESIGN 35% COMPLETE 08-89
- (D) DATE DESIGN COMPLETE 08-90

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES___NO_X_
- (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)
- (A) PRODUCTION OF PLANS AND SPECIFICATIONS . . . . . (645)
- (B) ALL OTHER DESIGN COSTS . . . . . (320)
- (C) TOTAL. 965
- (D) CONTRACT . . . . . (905)
- (E) IN-HOUSE . . . . . (60)

(4) CONSTRUCTION START. . . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ELECTRICAL, MECHANICAL AND TECHNICAL EQUIPMENT	WPN	1990	21,460
		TOTAL	21,460

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	TRAINING FACILITY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	171.20	P-935	9,740

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRAINING FACILITY ADDITION	SF	39,500	-	7,450
BUILDING ADDITION	SF	39,500	152.00	(6,000)
BUILDING MODIFICATIONS	LS	-	-	(180)
BUILT-IN EQUIPMENT	LS	-	-	(1,150)
TECHNICAL OPERATION MANUALS	LS	-	-	(120)
SUPPORTING FACILITIES	-	-	-	1,300
ELECTRICAL UTILITIES	LS	-	-	(220)
MECHANICAL UTILITIES	LS	-	-	(360)
PAVING AND SITE IMPROVEMENT	LS	-	-	(720)
SUBTOTAL	-	-	-	8,750
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,190
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	550
TOTAL REQUEST	-	-	-	9,740
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(237,410)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete and masonry building addition with steel framing, electrical and mechanical utilities, emergency electric power, raised flooring, air conditioning, fire protection system, lightning protection; utilities.

11. REQUIREMENT: 364,000 SF ADEQUATE: 324,500 SF SUBSTANDARD: 0 SF

PROJECT:
Provides an addition and modifications to the existing TRIDENT Training Facility. (New mission.)

REQUIREMENT:
Replacement, conversion, advanced and team training on missile launcher, fire control, and navigation equipment for crews of the TRIDENT II Pacific Submarine Fleet.

CURRENT SITUATION:
There is currently no facility for TRIDENT II training of crews for the TRIDENT II Pacific Submarine Fleet. Training of TRIDENT II crews cannot be conducted on existing TRIDENT I equipment. Phasing of existing Pacific Fleet SSBNs from TRIDENT I to TRIDENT II configuration precludes conversion of existing TRIDENT I trainers to TRIDENT II.

IMPACT IF NOT PROVIDED:
TRIDENT II training would have to be conducted at the Kings Bay TRIDENT Training Facility which would overburden its capacity and would be cost prohibitive. Operational and readiness capabilities of the TRIDENT II Pacific Submarine Fleet will be adversely impacted.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
TRAINING FACILITY ADDITION	P-935

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	12-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	65
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES___NO_X_
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(580)
(B) ALL OTHER DESIGN COSTS	(640)
(C) TOTAL	1,220
(D) CONTRACT	(1,160)
(E) IN-HOUSE	(60)

(4) CONSTRUCTION START 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
TACTICAL AND TRAINING EQUIPMENT	OPN	1988 - 1994	237,410
		TOTAL	237,410

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	TRANSFER FACILITY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	143.60	P-957	3,520

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRANSFER FACILITY	SF	10,050	-	2,280
BUILDING ADDITION	SF	10,050	205.00	(2,060)
BUILT-IN EQUIPMENT	LS	-	-	(220)
SUPPORTING FACILITIES	-	-	-	880
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(220)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(320)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	200
TOTAL REQUEST	-	-	-	3,520
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel frame building addition, concrete foundation, engineered fill, masonry and metal panel walls, single-ply membrane roof; special floors, lightning protection; fire protection system; crane; air conditioning, utilities; storm drainage; rail spur.

11. REQUIREMENT: 20,740 SF ADEQUATE: 10,690 SF SUBSTANDARD: 0 SF

PROJECT:
Provides a TRIDENT II missile transfer facility. (New mission.)

REQUIREMENT:
Adequate facilities for the receiving and shipping of missile motors, active/inert missiles (AIM), and small ordnance components, and for the transfer of these items from interstate carriers to on-base transporters for delivery to production building storage.

CURRENT SITUATION:
A TRIDENT II missile processing capability does not currently exist at the base.

IMPACT IF NOT PROVIDED:
The Strategic Weapons Facility will be incapable of receiving and shipping AIMs, missile motors, and small ordnance in support of the TRIDENT II production operations.

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	06-87
(B) PERCENT COMPLETE AS OF JANUARY 1990	100
(C) DATE DESIGN 35% COMPLETE	10-88

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
TRANSFER FACILITY ADDITION	P-957

12. SUPPLEMENTAL DATA: (CONTINUED)

(D) DATE DESIGN COMPLETE 12-89

(2) BASIS:
(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(190)
(B)	ALL OTHER DESIGN COSTS	(130)
(C)	TOTAL	320
(D)	CONTRACT	(310)
(E)	IN-HOUSE	(10)

(4) CONSTRUCTION START . . . . . 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	UTILITIES AND SITE IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	932.20	P-808	11,060

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENTS.	LS	-	-	9,930
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(9,390)
DEMOLITION	LS	-	-	(540)
SUBTOTAL	-	-	-	9,930
CONTINGENCY (5%)	-	-	-	500
TOTAL CONTRACT COST.	-	-	-	10,430
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	630
TOTAL REQUEST.	-	-	-	11,060
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Utility and communications systems modifications and expansion, lightning protection; site improvements including earth retention structures and earth berms, paving, railroad modifications, security lighting and fencing, guard towers, storm drainage; demolition of one building; environmental mitigation.

11. REQUIREMENT: AS REQUIRED

PROJECT:

Constructs and upgrades utilities, roads, railroad facilities, communication systems, site improvements, and security facilities to support TRIDENT II weapons system. (New mission.)

REQUIREMENT:

Adequate utilities, roads, and site improvements to support new construction and modifications to existing facilities at the Strategic Weapons Facility, Pacific (SWFPAC) for upgrade to TRIDENT II weapons system capability. Infrastructure upgrade prior to building construction or modifications is required to allow uninterrupted accomplishment of the TRIDENT I weapons system mission and is critical to orderly and cost-efficient development of TRIDENT II weapons system capability at SWFPAC.

CURRENT SITUATION:

Present utilities, roads and site infrastructure are inadequate to accommodate the transition to TRIDENT II weapons system capability.

IMPACT IF NOT PROVIDED:

The activity base will not be able to fulfill its function as a TRIDENT II production facility in support of the Pacific Fleet deployment schedule.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
UTILITIES AND SITE IMPROVEMENTS	P-808

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	08-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	90
(C) DATE DESIGN 35% COMPLETE	02-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(290)
(B) ALL OTHER DESIGN COSTS	(300)
(C) TOTAL	590
(D) CONTRACT	(550)
(E) IN-HOUSE	(40)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON	COMMANDER IN CHIEF, PACIFIC FLEET	1.16

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	925	7144	795	224	331	0	0	0	0	9419
b. END FY 1995	936	7355	795	224	331	0	0	0	0	9641

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(70,988)	
b. INVENTORY TOTAL AS OF 30 SEP 89		219,830
c. AUTHORIZATION NOT YET IN INVENTORY		29,820
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		22,670
f. PLANNED IN NEXT THREE PROGRAM YEARS		3,060
g. REMAINING DEFICIENCY		33,110
h. GRAND TOTAL		327,590

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	OPR & MAINT TRNR FAC-ICR I	103,000	SF	19,100	05/89	11/90
	TOTAL			19,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):						
211.07	AIRCRAFT MAINT FACILITIES	LS		8,800	-	-
171.35	AIRCRAFT TRNG BLDG (PH II)	31,000	SF	5,000	-	-
171.20	FLEET TRAINING FACILITY	41,340	SF	8,870	-	-
	TOTAL			22,670		
B. MAJOR PLANNED NEXT THREE YEARS:						
171.35	OPERATIONAL TRAINER FAC	7,940	SF	1,160		
171.35	OPERATIONAL TRNR FAC ADDN	8,680	SF	1,900		

10. MISSION OR MAJOR FUNCTIONS:

Maintain and operate facilities and provide services and material to support operations of aviation activities of the Pacific Fleet. Homeport for six Pacific Fleet medium attack jet aircraft and all electronic countermeasures aircraft serving both the Atlantic and Pacific Fleets.

Medium Attack Carrier Air Wing
Six Attack Squadrons

Naval Air Reserve Squadrons
12 Electronic Countermeasures Squadrons

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	420
B: INSTALLATION RESTORATION	48,880
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	5,600

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON	OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCR I)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.35	P-889	19,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL & MAINTENANCE TRAINER FACILITY . .	SF	103,000	-	11,990
BUILDING	SF	103,000	115.00	(11,850)
BUILT-IN EQUIPMENT	LS	-	-	(140)
SUPPORTING FACILITIES.	-	-	-	5,170
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(900)
UTILITIES.	LS	-	-	(1,650)
PAVING AND SITE IMPROVEMENT, DEMOLITION. . .	LS	-	-	(2,620)
SUBTOTAL	-	-	-	17,160
CONTINGENCY (5%)	-	-	-	860
TOTAL CONTRACT COST.	-	-	-	18,020
SUPERVISION, INSPECTION & OVERHEAD (6.0%) . .	-	-	-	1,080
TOTAL PEQUEST.	-	-	-	19,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(124,920)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One and two-story steel frame building, pile foundation, reinforced concrete and masonry walls, concrete floors, single membrane roofing, high-bay areas, computer flooring, electromagnetic interference shielding, acoustic attenuation, monorail hoist, bridge crane, security fence and lighting, fire protection system, environmental control, air conditioning, ventilation, utilities; vehicle parking area; demolition of two buildings, asbestos removal; physical security support features in adjacent hangar.

11. REQUIREMENT: 217,500 SF ADEQUATE: 114,500 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs operational and maintenance training facilities for new tactical aircraft. (New mission.)

REQUIREMENT:
Adequate and properly-configured training facilities to accommodate a new tactical aircraft mission. This is the first of three increments to support operational and maintenance trainers and associated training facilities including classrooms. Equipment delivery is scheduled for 1992.

CURRENT SITUATION:
Existing facilities are adequate to support presently assigned aircraft and mission. No facilities are currently available to support the new aircraft mission.

IMPACT IF NOT PROVIDED:
Facilities will not be available to support new tactical aircraft mission.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCR I)	P-889

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	60
(C) DATE DESIGN 35% COMPLETE	11-89
(D) DATE DESIGN COMPLETE	11-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(640)
(B) ALL OTHER DESIGN COSTS	(320)
(C) TOTAL	960
(D) CONTRACT	(930)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START: 02-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
WEAPON SYSTEMS TRAINER	RDT&E	1990	54,310
AIRCRAFT SYSTEMS TRAINER	RDT&E	1990	14,720
MAINTENANCE TRAINING EQUIPMENT	RDT&E	1990	55,890
		TOTAL	124,920

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR. COST INDEX
NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON	COMMANDER IN CHIEF, PACIFIC FLEET	1.16

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	16	224	8	0	0	0	0	0	0	248
b. END FY 1995	19	195	8	0	0	0	0	0	0	222

7. INVENTORY DATA ($000)

	TENANT OF NAS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 89	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	1,750

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
811.60	ELECTRIC PWR IMPROVES	LS	1,750	02/89	06/90
	TOTAL		1,750		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To conduct oceanographic obsevations in selected areas in order to provide the U.S Navy with more extensive information on oceanographic conditions in those areas.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON	ELECTRIC POWER IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0205096N	811.60	P-030	1,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRIC POWER IMPROVEMENTS	LS	-	-	1,460
ELECTRICAL SYSTEM UPGRADE	LS	-	-	(990)
BUILDING ADDITION	SF	4,700	100.00	(470)
SUPPORTING FACILITIES	-	-	-	110
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(60)
SUBTOTAL	-	-	-	1,570
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,650
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story building addition, security hardened reinforced concrete walls, concrete floor, pile foundation, built-up roof, fire protection system, upgrade generators, switching equipment, controls.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides additional technical power to process and analyze technical data. (Current mission.)

REQUIREMENT:
Project requirement classified. Additional data available upon request.

CURRENT SITUATION:
Present technical power capability will be exceeded with the installation of additional equipment.

IMPACT IF NOT PROVIDED:
Classified. Additional data available upon request.

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 02-89
- (B) PERCENT COMPLETE AS OF JANUARY 1990 95
- (C) DATE DESIGN 35% COMPLETE 07-89
- (D) DATE DESIGN COMPLETE 06-90

(2) BASIS:
- (A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X
- (B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E): ($000)

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRIC POWER IMPROVEMENTS	P-030

12. SUPPLEMENTAL DATA: (CONTINUED)

(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(90)
(B)	ALL OTHER DESIGN COSTS	(95)
(C)	TOTAL	185
(D)	CONTRACT	(175)
(E)	IN-HOUSE	(10)

(4) CONSTRUCTION START. . . . . 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

PROJECT JUSTIFICATION FORMS OUTSIDE THE UNITED STATES

"G" OUTSIDE U.S.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL MAGAZINE, GUAM	COMMANDER IN CHIEF, PACIFIC FLEET	2.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	21	175	69	0	0	0	0	0	0	265
b. END FY 1995	20	175	69	0	0	0	0	0	0	264

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,838)	
b. INVENTORY TOTAL AS OF 30 SEP 89		37,120
c. AUTHORIZATION NOT YET IN INVENTORY		11,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,319
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,100
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		32,580
h. GRAND TOTAL		91,819

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421.72	TOMAHAWK SUPPORT COMPLEX	17,000	SF	9,319	03/89	06/90
	TOTAL			9,319		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

216.55	TOMAHAWK FACILITY	1,060	SF	1,100	-	-
	TOTAL			1,100		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Receives, renovates, maintains, stores and issues ammunition, explosives, and expendable ordnance items. Also supports the U.S. Air Forces, the Government of Guam, Trust Territories of the Pacific Islands and other government and authorized agencies.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	20
B: INSTALLATION RESTORATION	250
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL MAGAZINE, GUAM	TOMAHAWK SUPPORT COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204996N	421.72	P-809	9,319

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TOMAHAWK SUPPORT COMPLEX	SF	17,000	-	4,780
MISSILE MAGAZINE	SF	9,000	362.00	(3,260)
INERT STOREHOUSE	SF	8,000	168.00	(1,340)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES	-	-	-	3,550
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,730)
ELECTRICAL UTILITIES	LS	-	-	(210)
MECHANICAL UTILITIES	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,300)
SUBTOTAL	-	-	-	8,330
CONTINGENCY (5%)	-	-	-	420
TOTAL CONTRACT COST	-	-	-	8,750
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	569
TOTAL REQUEST	-	-	-	9,319
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One earth-covered reinforced concrete five-bay missile magazine, 25-foot wide doors; one-story reinforced concrete inert storehouse with 24-foot wide doors; pile foundation, concrete floors, lightning and grounding systems, erosion control, access road, service area; fire protection system, mechanical ventilation, utilities.

11. REQUIREMENT: 17,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Provides inert storage facility and missile magazine storage to support TOMAHAWK Cruise Missiles. (New mission.)

REQUIREMENT:
Adequate storage facilities to accommodate the physical requirements of TOMAHAWK Cruise Missiles in a controlled security area.

CURRENT SITUATION:
There are no magazine facilities existing that can be modified and outfitted for stowing TOMAHAWK missiles.

IMPACT IF NOT PROVIDED:
Naval Magazine Guam cannot adequately support the TOMAHAWK Missile.

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	03-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	06-90

(2) BASIS:

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL MAGAZINE, GUAM

4. PROJECT TITLE	5. PROJECT NUMBER
TOMAHAWK SUPPORT COMPLEX	P-809

12. SUPPLEMENTAL DATA: (CONTINUED)

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO_X_

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

		($000)
(3)	TOTAL COST (C) = (A) + (B) OR (D) + (E):	
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(240)
(B)	ALL OTHER DESIGN COSTS	(340)
(C)	TOTAL	580
(D)	CONTRACT	(480)
(E)	IN-HOUSE	(100)

(4) CONSTRUCTION START: 11-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA COST INDEX
NAVY PUBLIC WORKS CENTER, GUAM	NAVAL FACILITIES ENGINEERING COMMAND	2.03

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	13	0	1430	0	0	0	4	0	0	1447
b. END FY 1995	13	0	1430	0	0	0	4	0	0	1447

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,095)	
b. INVENTORY TOTAL AS OF 30 SEP 89		306,710
c. AUTHORIZATION NOT YET IN INVENTORY		13,720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		7,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,380
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		28,990
h. GRAND TOTAL		363,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831.10	SANITARY WSTWTR SYS UPGRAD	LS	7,500	05/89	09/90
	TOTAL		7,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):

811.25	BOILER PLANT MODS	LS	2,000	-	-
441.30	HAZ/FLAMM STORAGE FAC	16,600 SF	3,720	-	-
411.30	OIL SPILL PREVENTION	LS	660	-	-
	TOTAL		6,380		

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide maintenance, repair, minor construction and other public works support, including transportation equipment, utilities, telephone, Navy housing, engineering services, and shore facilities planning assistance for Naval forces in the Guam area. Also supports the US Air Force, Government of Guam, Trust Territories of the Pacific Islands and other government and authorized agencies.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	710
B: INSTALLATION RESTORATION	2,860
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	4,400

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, KEFLAVIK, ICELAND	COMMANDER IN CHIEF, ATLANTIC FLEET	4.01

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	303	2710	1644	0	0	0	111	356	0	5124
b. END FY 1995	304	2714	1644	0	0	0	111	356	0	5129

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(23,340)	
b. INVENTORY TOTAL AS OF 30 SEP 89		346,020
c. AUTHORIZATION NOT YET IN INVENTORY		85,160
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,440
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,750
g. REMAINING DEFICIENCY		160,530
h. GRAND TOTAL		602,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411.20	FUEL FACILITIES	LS	2,440	04/89	04/90
	TOTAL		2,440		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):					
124.30	FUEL FACILITY (PH-7)	LS	5,600	-	-
	TOTAL		5,600		
B. MAJOR PLANNED NEXT THREE YEARS:					
411.20	FUEL FACS	LS	1,200		
872.15	FLIGHT LINE SEC IMPRVS	11,600 LF	1,550		
872.15	FLIGHT LINE SEC IMPRVS	11,600 LF	1,550		

10. MISSION OR MAJOR FUNCTIONS:

Iceland's location astride the Greenland-Iceland-Norway gap affords Navy land-based, anti-submarine forces a forward operating airfield and support complex. This facility also supports USAF Airborne (AWACS) and fighter-interceptor units in the air defense mission. Communications facilities provide essential coverage for Naval units operating in the North Atlantic and Norwegian Sea. Wartime contingency roles for this base would include critical support to military airlift and air defense augmentation missions.

ASW (P-3) Patrol Squadron	Commander, Iceland Defense Force
Fighter Interceptor Squadron (F-15)	Commander, Fleet Air Keflavik
Security Group Activity	Communications Station
Airborne Warning and Control System (AWACS) Det (E-3A)	Naval Facility
	Four Aircraft Control and Warning Sites

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	26,400
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, KEFLAVIK, ICELAND	FUEL FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	411.20	P-463	2,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL FACILITIES	LS	-	-	27,730
SUBTOTAL	-	-	-	27,730
LESS: NATO SHARE	-	-	-	-26,370
SUBTOTAL	-	-	-	1,360
CONTINGENCY-U.S. PORTION (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,430
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	90
U.S. PART OF SIOH FOR NATO PORTION (3.5%)	-	-	-	920
TOTAL REQUEST	-	-	-	2,440
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three semi-buried 660,000-gallon fuel storage tanks, pumps, controls, instrumentation, cathodic protection; splinter-proof reinforced concrete manifold building, filter separators, manifolds, instrumentation, emergency generator, controls, seven-day fuel storage tank; approximately 2.9 miles of 12-inch and 14-inch diameter piping, cathodic protection, eight-hydrants for refuel- defuel operations, double truck fill stand; support facilities; utilities; apron spill protection system.

11. REQUIREMENT: As Required.

PROJECT: Provides three semi-buried fuel storage tanks, splinter-proof manifold and filter separator building, associated distribution piping, fueling hydrants, double truck fill-stand and support facilities. These alert refueling facilities are to serve tactical aircraft stationed at this station. Provides a portion of the main base fuel pipeline loop to permit receipt of the fuel at the ready fuel storage facility from the existing Helguvik fuel depot via the depot transfer pipeline. Storage and distribution facilities for forces assigned to NATO are being funded in conjunction with this project through the Infrastructure Program. (Current mission.)

REQUIREMENT: Adequate facilities to support US national and NATO plans for operations from the Keflavik airfield. A 45-day supply of fuel for contingency aviation and ground operations plus peacetime operating stocks, must be prepositioned in hardened semi-buried tanks. Total requirement of

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, KEFLAVIK, ICELAND

4. PROJECT TITLE	5. PROJECT NUMBER
FUEL FACILITIES	P-463

11. REQUIREMENT: (Continued)
1,170,000 barrels of fuel will be programmed in seven increments. Overall funding responsibility splits approximately 50/50 US national and NATO. This is the fifth increment and provides on-airfield distribution and dispensing facilities. Incrementing is necessary because of the scope of the overall project and the need to assign work to the Iceland Prime Contractor commensurate with its ability to put work in-place. A deep-water fuel reception pier and transfer system were approved in an earlier request and are required near the fuel farm to permit rapid re-supply of the tanks during a contingency.
CURRENT SITUATION: About half of the total program of eleven tanks, fuel pier, piping and ready issue tanks has been approved and construction is underway. NATO is an equal partner in the funding responsibility of the approved program. This project maintains the 50/50 funding split. Existing fuel storage facilities meet neither US national nor NATO requirements for 45-day, prepositioned storage. Existing on-base storage is capable of holding only one-third of the 45-day supply, with less than half of the tanks in secure, buried positions. Existing above-ground tanks are over 25 years old and the severe weather has deteriorated them. Extensive repairs were made in 1980 to prolong their usefulness until new tanks are built. Tanks provided in the first increment of this program are complete and in use. Remaining available fuel storage is located 60 miles away at Hvalfjordur in leased, above-ground tanks. To reach the station, fuel from leased tanks must be transported by small Icelandic coastal barges to the interim unloading pier in the Town of Keflavik. This method of resupply would not keep pace with demand in a contingency situation.
IMPACT IF NOT PROVIDED: Fuel storage facilities in Iceland will be insufficient to meet US operating needs. Without this increment the ability to dispense fuel to the aircraft at the airfield will be severely hampered.
ADDITIONAL: Prefinancing under NATO procedures is not planned for this project. The fuel stored in these tanks will be dedicated to operating requirements of US national and NATO forces and to peacetime operating stocks. There will be no pre-financing associated with this project. NATO is contributing $26.37 million to this project for support forces assigned to NATO in war time. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, KEFLAVIK, ICELAND

4. PROJECT TITLE	5. PROJECT NUMBER
FUEL FACILITIES	P-463

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	4-89
(b)	Percent Complete as of January 1990	80
(c)	Date Design 35% Complete	8-89
(d)	Date Design Complete	4-90

(2) Basis:

(a)	Standard or Definitive Design:	Yes ____ No X
(b)	Where Design Was Most Recently Used:	N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

		($000)
(a)	Production of Plans and Specifications	(65)
(b)	All Other Design Costs	(30)
(c)	Total	95
(d)	Contract	(65)
(e)	In-house	(30)

(4) Construction start: 1-91 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
NAVAL COMMUNICATION STATION, KEFLAVIK, ICELAND	NAVAL TELECOMMUNICATIONS COMMAND	4.01

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	10	252	21	0	0	0	0	0	0	283
b. END FY 1995	10	252	21	0	0	0	0	0	0	283

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		8,450
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,248
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		4,300
h. GRAND TOTAL		22,998

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.15	COMMUNICATION CENTER	16,000	SF	10,248	11/88	03/90
	TOTAL			10,248		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To manage, operate, and maintain those facilities, systems, equipments, and devices necessary to provide requisite communications for the command, operational control, and administration of the Department of the Navy, to manage, operate, and maintain those facilities of the Defense Communications System as assigned.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATIONS STATION, KEFLAVIK, ICELAND	COMMUNICATION CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303196N	131.15	P-802	10,248

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATION CENTER	SF	16,000	-	20,190
BUILDING	SF	16,000	903.00	(14,450)
ANTENNA-HELIX HOUSE	LS	-	-	(5,740)
SUPPORTING FACILITIES	-	-	-	3,170
UTILITIES	LS	-	-	(2,340)
PAVING AND SITE IMPROVEMENT	LS	-	-	(830)
SUBTOTAL	-	-	-	23,360
LESS: NATO SHARE	-	-	-	-14,650
SUBTOTAL	-	-	-	8,710
CONTINGENCY-U.S. PORTION (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,150
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	590
U.S. PART OF SIOH FOR NATO PORTION (3.5%)	-	-	-	508
TOTAL REQUEST	-	-	-	10,248
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(7,450)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete building, concrete foundation, semi-hardened, HEMP protected, temperature and humidity controlled environmental system, emergency generators, utilities; includes space for message center, cryptographic equipment room, electronic equipment repair shops; site preparation for electronic equipment and uninterruptable electric power system; antenna installation; helix house construction.

11. REQUIREMENT: 16,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a communication center to house the operational functions of this station; installs 1,000-foot transmitting antenna and appurtenances including guy-system, insulators, top loading elements. (Current mission.)
REQUIREMENT: Adequate technical control, message center, electric power, and transmitting antenna facilities to accommodate continual communications support for the U.S. and NATO forces operating in the North Atlantic Ocean and the Norwegian Sea, as well as supporting the Defense Communication Systems and other missions assigned by higher authority. This project is crucial for supporting Iceland Defense Force Combined Operations Center and Iceland Air Defense System programs.
CURRENT SITUATION: The present communication center is of standard masonry construction (non-hardened), located adjacent to the aircraft parking apron, subjecting it to high noise levels, and making it vulnerable to attack or sabotage since the airfield is open to all private and commercial

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATIONS STATION, KEFLAVIK, ICELAND

4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNICATION CENTER	P-802

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
aircraft. Communication land lines, connecting all communication modes on the base, are exposed in unsecure manholes and vulnerable to sabotage. The building dates from 1954 and has neither the space nor configuration to support modern electronic equipment. The building interior does not meet the fire protection code, nor does much of the electrical distribution system comply with the National Electric Code. The building's construction is inadequate with respect to survivability and physical security. Initial increment of procurement and construction to support a new 1,000-foot transmitting antenna was approved in FY 1990 and is proceeding. The final increment of antenna work involving erection of the tower, guys, radials, and helix house is included in this FY 1991 project.
IMPACT IF NOT PROVIDED: The communication station's operational functions will remain in an unhardened building adjacent to the airfield, leaving on-base communications vulnerable to serious disruption. Equipment may experience continued physical deterioration for lack of proper environmental control. Inadequate physical and electronic security will continue to exist. New 1,000-foot transmitting antenna not in place.
ADDITIONAL: Prefinancing under NATO procedures is not planned for this project. This facility will be jointly used by US national and NATO forces. NATO is contributing approximately $14.65 million to this project for support of forces assigned to NATO in war time. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.

12. SUPPLEMENTAL DATA:
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
(a) Date Design Started..... 11-88
(b) Percent Complete as of January 1990..... 35
(c) Date Design 35% Complete..... 12-89
(d) Date Design Complete..... 3-90
(2) Basis:
(a) Standard or Definitive Design: Yes ___ No X
(b) Where Design Was Most Recently Used: N/A
(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.....(95)

(Continued on 1391c)

1. COMPONENT	FY 19_91_ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATIONS STATION, KEFLAVIK, ICELAND

4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNICATION CENTER	P-802

SUPPLEMENTAL DATA: (Continued)

(b) All Other Design Costs.....(185)
(c) Total..... 280
(d) Contract.....(200)
(e) In-house.....(80)
(4) Construction start..... 1-91
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Communication Equipments	OPN	1991-1993	7,450

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COMMUNICATION STATION, SICILY, ITALY	NAVAL TELECOMMUNICATIONS COMMAND	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	6	133	12	0	0	0	0	0	0	151
b. END FY 1995	6	230	19	0	0	0	0	0	0	255

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,513
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		1,513

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.35	RECEIVER FACILITY	4,000	SF	1,513	03/89	09/90
	TOTAL			1,513		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
As an activity of the Navy Telecommunications System, to manage, operate, and maintain those facilities, systems, equipments, and devices necessary to provide requisite communications for the command, operational control, and administration of the Department of the Navy; to manage, operate, and maintain those facilities of the Defense Communications as assigned.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATION STATION, SICILY, ITALY	RECEIVER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303113N	131.35	P-305	1,513

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RECEIVER FACILITY	SF	4,000	-	550
BUILDINGS	SF	4,000	120.00	(480)
BUILT-IN EQUIPMENT	LS	-	-	(70)
SUPPORTING FACILITIES	-	-	-	800
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(30)
ELECTRICAL UTILITIES	LS	-	-	(330)
MECHANICAL UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT	LS	-	-	(190)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	93
TOTAL REQUEST	-	-	-	1,513
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete building, concrete footings and floor, built-up roof, design seismic zone 4 criteria; mechanical and electrical utility building; antenna tower, antenna bases and cable trenches; utilities, fire protection system, air conditioning.

11. REQUIREMENT: 4,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Relocates and expands the existing high-frequency receiver at a new site. (Current mission.)

REQUIREMENT:
A high-frequency (HF) receiver facility free of radio-frequency (RF) noise. Operational necessity increases the number of receivers from 33 to 70 for efficient mission accomplishment. New receiver equipment is scheduled for delivery in 1991.

CURRENT SITUATION:
The existing communication center is experiencing loss of efficiency because of RF noise generated by Naval Air Station facilities, and this condition is anticipated to worsen with the planned Mediterranean realignment of communication facilities. The existing site is planned for expansion of other communication needs.

IMPACT IF NOT PROVIDED:
This activity will not be able to fully accomplish its mission.

ADDITIONAL:
A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. Prefinancing under NATO procedures is not planned for this project since it is not within the established NATO Infrastructure criteria and standards for communication facilities for common funding, nor is it expected to become eligible.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION STATION, SICILY, ITALY

4. PROJECT TITLE	5. PROJECT NUMBER
RECEIVER FACILITY	P-305

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	03-89
(B)	PERCENT COMPLETE AS OF JANUARY 1990	45
(C)	DATE DESIGN 35% COMPLETE	09-89
(D)	DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES ___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(100)
(B)	ALL OTHER DESIGN COSTS	(125)
(C)	TOTAL	225
(D)	CONTRACT	(175)
(E)	IN-HOUSE	(50)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION, SIGONELLA, ITALY	COMMANDER IN CHIEF, US NAVAL FORCES, EUROPE	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	192	2306	626	0	0	0	161	1098	0	4383
b. END FY 1995	192	2306	626	0	0	0	161	1098	0	4383

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(680)	
b. INVENTORY TOTAL AS OF 30 SEP 89		56,910
c. AUTHORIZATION NOT YET IN INVENTORY		49,680
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,240
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		29,460
g. REMAINING DEFICIENCY		3,590
h. GRAND TOTAL		149,880

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.03	CORRDSION CTRL HANGAR	16,000 SF	8,390	05/89	04/90
211.21	ENGINE MAINT SHOP ADDITION	14,370 SF	1,850	06/89	08/90
	TOTAL		10,240		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACHELOR ENLISTED QUARTERS	71,590 SF	8,800
730.83	CHAPEL	LS	860
740.54	FLEET REC CENTER	LS	2,800
721.11	NCF CAMP (PH-I)	LS	7,100
851.10	ROAD/UTILITIES	LS	9,900

10. MISSION OR MAJOR FUNCTIONS:

Navy's major mid-Mediterranean shore installation used for logistic support of the Sixth Fleet and as a base of operations for deployed, land-based ASW aircraft. Navy intra-theatre airlift squadron also assigned, with carrier on-board airlift mission. Support transient, carrier-based tactical aircraft as required. Presently supports Military Airlift Command (MAC) cargo flights and MAC passenger flights from the U.S. Provides air logistics interface with nearby Augusta Bay NATO fuel and ammunition replenishment pier and depot. Supports HC-4 helicopter combat squadron and LAMPS MK III Helicopter Squardon.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, SIGONELLA, ITALY	CORROSION CONTROL HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	211.03	P-218	8,390

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CORROSION CONTROL HANGAR	SF	16,000	-	3,720
BUILDING	SF	16,000	144.00	(2,300)
BUILT-IN EQUIPMENT	LS	-	-	(1,420)
SUPPORTING FACILITIES	-	-	-	3,770
SPECIAL FOUNDATION FEATURES	LS	-	-	(290)
ELECTRICAL UTILITIES	LS	-	-	(220)
MECHANICAL UTILITIES	LS	-	-	(2,910)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	7,490
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST	-	-	-	7,870
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	520
TOTAL REQUEST	-	-	-	8,390
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building, concrete footings and floor, built-up roof, design for seismic zone 4 criteria, two high-bay areas, administrative area, support shops, compressed air system, industrial waste facilities; fire protection system, air conditioning, utilities; fire protection in three aircraft hangars to include 320,000 gallon ground storage tank and a pumping station.

11. REQUIREMENT: 16,000 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:

Provides facilities to periodically perform aircraft corrosion control at the intermediate maintenance level; improves fire protection in hangars and flight line facilities. (Current mission.)

REQUIREMENT:

Adequate facility capable of maintaining a controlled environment for aircraft paint stripping and corrosion blast-cleaning. Reduce air pollution and provide work areas in compliance with paint stripping and corrosion blast-cleaning requirements of the Clean Air and Occupational Safety and Health regulations. All Navy carrier-based aircraft require protection from salt corrosion. Aircraft must be periodically stripped, corrosion blasted and cleaned, and finally repainted. It is necessary that work spaces have controlled temperature and humidity conditions in the stripping and blasting areas. Air velocities must be controlled to capture overspray of stripping liquids and excessive blasting dust. Dust and solvents must then be removed from the exhausted air. Adequate fire protection in aircraft maintenance hangars is necessary to meet all fire safety codes and regulations. Required is a dedicated fire protection system waterline for operational aviation facilities on the flightline.

CURRENT SITUATION:

Activity is located in the central Mediterranean, on the island of Sicily, where deployed Sixth Fleet Carrier aircraft are subjected to a heavily corrosive salt-air/water, volcanic (sulfur) particles, and sandy environment. There are no existing naval facilities for corrosion

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, SIGONELLA, ITALY

4. PROJECT TITLE	5. PROJECT NUMBER
CORROSION CONTROL HANGAR	P-218

11. REQUIREMENT: (CONTINUED)

CURRENT SITUATION: (CONTINUED)
control of naval aircraft in the entire European area. Sigonella accomplishes corrosion maintenance on more than 225 carrier air wing, maritime patrol, fleet logistic aircraft and helicopters operating in the Mediterranean. Fleet aircraft that need corrosion control painting, which cannot be deferred until the aircraft return to the U.S. must be accomplished in an open environment or in hangar spaces which do not meet ventilation, safety, and health standards for aircraft painting. While painting is in progress, other maintenance on aircraft requiring hangar space must be deferred, effecting fleet readiness. Existing water distribution system cannot provide the necessary water pressure and flow rate to activate the present foam fire protection deluge systems.

IMPACT IF NOT PROVIDED:
Decrease in overall performance of aircraft, operational readiness, and mission capability. Aircraft will continue to be maintained in an area without adequate environmental controls, including operational hangars, exposing other aircraft and equipment to paint spray and other materials used in corrosion control.

ADDITIONAL:
A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. Prefinancing under NATO procedures is not planned for this project as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible.

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	80
(C) DATE DESIGN 35% COMPLETE	09-89
(D) DATE DESIGN COMPLETE	04-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(250)
(B) ALL OTHER DESIGN COSTS	(100)
(C) TOTAL	350
(D) CONTRACT	(300)
(E) IN-HOUSE	(50)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, SIGONELLA, ITALY	ENGINE MAINTENANCE SHOP ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	211.21	P-220	1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINE MAINTENANCE SHOP ADDITION	SF	14,370	-	970
BUILDING	SF	14,370	57.00	(820)
BUILT-IN EQUIPMENT	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	690
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(280)
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT	LS	-	-	(150)
SUBTOTAL	-	-	-	1,660
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,740
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	110
TOTAL REQUEST	-	-	-	1,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building addition, concrete foundation on engineered fill, concrete floor, built-up roof; bridge crane and hoists, fire protection and air conditioning systems, utilities.

11. REQUIREMENT: 30,510 SF ADEQUATE: 16,140 SF SUBSTANDARD: 0 SF

PROJECT:
Constructs an addition to the engine maintenance shop. (Current mission.)

REQUIREMENT:
Adequate and properly-configured facilities for organizational and intermediate maintenance activity (IMA) level upkeep of aircraft assigned, deployed to, or temporarily shore-based at this central Mediterranean operating and logistics base. Aircraft include ASW patrol (P-3, SH-2, SH-3), early warning (E-2), fleet logistics support (T-39, C-2A, C-130), vertical-on-board delivery (CH-53 VOD, CH-46 VOD), and LAMPS helicopters (SH-60).

CURRENT SITUATION:
The engine maintenance shop workload is increasing because of additional aircraft loading occurring as a result of the construction of an additional aircraft maintenance hangar. The engine maintenance shop facilities were only one-half of the requirement projected prior to 1987. Since its original conception, an additional requirement for LAMPS MK III engine maintenance was approved in 1986 as an exigent minor project. Today's workload has necessitated maintenance functions be performed in a more crowded condition, causing mission support problems. Engines are now being packed and unpacked in outdoor fire lane areas. Because of a lack of adequate storage area, equipment is stored outdoors.

IMPACT IF NOT PROVIDED:
Maintenance of the more sophisticated aircraft and aircraft systems will continue to be hampered by cramped facilities. Inability of engine maintenance shop to improve efficiency and maintain readiness of Sixth Fleet and shore-based aircraft because of facility deficiencies.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, SIGONELLA, ITALY

4. PROJECT TITLE	5. PROJECT NUMBER
ENGINE MAINTENANCE SHOP ADDITION	P-220

11. REQUIREMENT: (CONTINUED)

ADDITIONAL:

Pre-financing under NATO procedures is not planned for this project, as it exceeds in its entirety the scope as described in the approved NATO criteria and standards for the applicable facility and seeking deviation from NATO criteria is not justified. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.

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	06-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	50
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	08-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

	($000)
(A) PRODUCTION OF PLANS AND SPECIFICATIONS	(110)
(B) ALL OTHER DESIGN COSTS	(90)
(C) TOTAL	200
(D) CONTRACT	(170)
(E) IN-HOUSE	(30)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
MARINE CORPS AIR STATION, IWAKUNI, JAPAN	COMMANDANT OF THE MARINE CORPS	1.89

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	80	747	1269	0	0	0	260	2903	9	5268
b. END FY 1995	68	491	870	0	0	0	287	2712	551	4979

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(6,568)	
b. INVENTORY TOTAL AS OF 30 SEP 89		53,120
c. AUTHORIZATION NOT YET IN INVENTORY		3,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,017
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		12,055
g. REMAINING DEFICIENCY		33,640
h. GRAND TOTAL		105,022

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE		COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211.06	HANGAR CONVERSION	23,450	SF	3,017	05/89	09/90
	TOTAL			3,017		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

211.05	AIRCRAFT HANGAR HEATING	LS	3,075
721.11	BEQ CONVERSION	LS	2,960
750.30	COVERED POOL/GYM EXT	LS	1,580
143.75	POL OPERS FACILITIES	LS	305
111.10	WIDEN RUNWAY	LS	4,135

10. MISSION OR MAJOR FUNCTIONS:
Maintain and operate facilities and provide services and materials to support operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, IWAKUNI, JAPAN	HANGAR CONVERSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	211.06	P-809	3,017

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HANGAR CONVERSION.	SF	23,450	-	1,510
BUILDING CONVERSION AND RENOVATION	SF	23,450	60.00	(1,410)
BUILT-IN-EQUIPMENT	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	1,190
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(990)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	177
TOTAL REQUEST.	-	-	-	3,017
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert building back to designed use of aircraft maintenance hangar, administrative offices, mechanical room, compressed air system, floor drainage system, fire protection system, ventilation, utilities.

11. REQUIREMENT: 23,450 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT:
Converts and renovates a hangar currently being used as a warehouse back to a maintenance hangar. (Current mission.)

REQUIREMENT:
Adequate hangar space to support additional aircraft being assigned to this activity.

CURRENT SITUATION:
This activity has a shortage of hangar space. Prior to the assignment of additional high-tech AV-8 aircraft, the lack of storage space was more critical, so a hangar was used to meet this need. With the assignment of newer and more AV-8 aircraft, this hangar must now be renovated to convert it back to accommodate aircraft maintenance. The cost of a new hangar would greatly exceed the cost of this project.

IMPACT IF NOT PROVIDED:
Scheduled and unscheduled organizational maintenance on assigned aircraft cannot be accomplished, severely affecting the operational readiness and deployability of the squadrons assigned to Marine Air Group-12.

ADDITIONAL:
A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for Japanese Facility Improvement Program (JFIP) funding.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, IWAKUNI, JAPAN

4. PROJECT TITLE	5. PROJECT NUMBER
HANGAR CONVERSION	P-809

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	05-89
(B) PERCENT COMPLETE AS OF JANUARY 1990	40
(C) DATE DESIGN 35% COMPLETE	10-89
(D) DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN: YES___ NO X

(B) WHERE DESIGN WAS MOST RECENTLY USED: N/A

(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	(225)
(E) IN-HOUSE	(75)

(4) CONSTRUCTION START: 05-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SECURITY GROUP ACTIVITY HANZA, OKINAWA, JAPAN	NAVAL SECURITY GROUP COMMAND	1.99

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	13	239	1	0	0	0	0	0	0	253
b. END FY 1995	10	274	1	0	0	0	0	0	0	285

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 89		4,590
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,035
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		5,625

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
843.10	FIRE PROTECTION SYSTEM	LS	1,035	05/88	09/90
	TOTAL		1,035		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To provide regional communications for the defense of the U.S. and the free world.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SECURITY GROUP ACTIVITY HANZA, OKINAWA, JAPAN	FIRE PROTECTION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
N F I P 0301011N	843.10	P-001	1,035

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE PROTECTION SYSTEM	LS	-	-	920
SUBTOTAL	-	-	-	920
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	970
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	65
TOTAL REQUEST	-	-	-	1,035
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Automatic wet-pipe sprinkler system, fire detection alarm system; 117,000 gallon underground water storage tank, pumping station, one electric power driven 1500 GPM pump and one diesel engine driven 1500 GPM back-up pump, underground water supply, distribution system; access road, security fencing.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides fire detection alarms, an automatic sprinkler protection system; corrects fire protection deficiencies in various buildings. (Current mission.)

REQUIREMENT:
Adequate automatic fire detection alarm and fire protection systems to protect high-value electronic equipment, facilities, and human lives. An upgrading of fire walls, doors, and corridors is necessary to meet safety codes.

CURRENT SITUATION:
The operations building is equipped with manual carbon dioxide hose reels, a halon total flooding system, and an automatic carbon dioxide flooding system. Fire protection criteria specifies gaseous extinguishing systems are not a substitute for wet-pipe sprinkler systems.

IMPACT IF NOT PROVIDED:
Lives of personnel, high-valued electronic equipment, and facilities will continue to be vulnerable to catastrophic fire.

ADDITIONAL:
A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for Japanese Facility Improvement Program (JFIP) funding.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SECURITY GROUP ACTIVITY HANZA, OKINAWA, JAPAN

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE PROTECTION SYSTEM	P-001

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	05-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	90
(C)	DATE DESIGN 35% COMPLETE	10-88
(D)	DATE DESIGN COMPLETE	09-90

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(40)
(B)	ALL OTHER DESIGN COSTS	(65)
(C)	TOTAL	105
(D)	CONTRACT	(75)
(E)	IN-HOUSE	(30)

(4) CONSTRUCTION START: 12-90 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COMMUNICATION STATION, ROTA, SPAIN	NAVAL SECURITY GROUP COMMAND	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	14	347	79	0	0	0	0	0	0	440
b. END FY 1995	14	347	79	0	0	0	0	0	0	440

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT OF NS

b. INVENTORY TOTAL AS OF 30 SEP 89	10,480
c. AUTHORIZATION NOT YET IN INVENTORY	400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,105
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	450
h. GRAND TOTAL	12,435

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.55	OPS BUILDING ADDITION	11,340 SF	1,105	10/88	09/89
	TOTAL		1,105		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide command and control communications, ship-to-shore service for the fleet, and satellite communications. Primary area covered is the eastern Atlantic and Mediterranean areas.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATION STATION, ROTA, SPAIN	OPERATIONS BUILDING UPGRADE

5. PROGRAM ELEMENT N F I P	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303196N	131.55	P-556	1,105

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS BUILDING UPGRADE	SF	12,000	-	800
BUILDING ALTERATIONS	SF	12,000	51.00	(610)
BUILT-IN EQUIPMENT	LS	-	-	(190)
SUPPORTING FACILITIES	-	-	-	190
UTILITIES, PAVING & SITE IMPROVEMENTS	LS	-	-	(190)
SUBTOTAL	-	-	-	990
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (6.5%)	-	-	-	65
TOTAL REQUEST	-	-	-	1,105
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Building alterations including partitions, computer flooring, new floor, ceiling and wall coverings, sound attenuation, new lighting, upgrade electric power panels, service, transformers, bus-bars, tie-breakers, circuit breakers, increase air conditioning system capacity; site utilities upgrade.

11. REQUIREMENT: 78,420 SF ADEQUATE: 66,420 SF SUBSTANDARD: (12,000) SF

PROJECT:
Upgrades operational space in the Circular Display Antenna Array Building to increase efficiency. (Current mission.)

REQUIREMENT:
Adequate and properly-configured operational communication facility spaces for Naval Security Group (NAVSECGRU) Detachment Rota to accommodate the dynamic upgrade of equipment, the installation of additional state-of-the-art communication equipment, and support consolidation of operational functions to improve mission efficiency. An automatic data processing (ADP) work center is necessary to provide equipment space and common work area for software development, ADP training, and security guidance.

CURRENT SITUATION:
Existing space configuration and utilities will not support the additional communications programs, equipment, or personnel.

IMPACT IF NOT PROVIDED:
Additional communications workload will not be efficiently and effectively accomplished. Adequate operational floor space and utilities will not be available to support the mission requirements of NAVSECGRU. Critical communications support services provided to the Sixth Fleet will be adversely affected. Activity will not be able to provide quality communications.

ADDITIONAL:
NATO prefinancing is not applicable to this project because it is not in support of forces assigned to NATO. A bilateral agreement between the

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION STATION, ROTA, SPAIN

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS BUILDING UPGRADE	P-556

11. REQUIREMENT: (CONTINUED)
ADDITIONAL: (CONTINUED)
U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.

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	10-88
(B)	PERCENT COMPLETE AS OF JANUARY 1990	100
(C)	DATE DESIGN 35% COMPLETE	03-89
(D)	DATE DESIGN COMPLETE	09-89

(2) BASIS:

(A)	STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B)	WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(3) TOTAL COST (C) = (A) + (B) OR (D) + (E):

		($000)
(A)	PRODUCTION OF PLANS AND SPECIFICATIONS	(75)
(B)	ALL OTHER DESIGN COSTS	(75)
(C)	TOTAL	150
(D)	CONTRACT	(140)
(E)	IN-HOUSE	(10)

(4) CONSTRUCTION START: 01-91 (MONTH AND YEAR)

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET SURVEILLANCE SUPPORT COMMAND, BRAWDY WALES, UNITED KINGDOM	CHIEF OF NAVAL OPERATIONS	.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	0	0	0	0	0	0	0	0	0	0
b. END FY 1995	2	13	0	0	0	0	0	0	50	65

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(37,653)	
b. INVENTORY TOTAL AS OF 30 SEP 89		74,460
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,740
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		76,200

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
134.70	ELECTRONIC INSTL	LS	1,740	11/88	07/90
	TOTAL		1,740		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Surveillance, early warning, and target identification. Effective management of air intercept capability.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET SURVEILLANCE SUPPORT COMMAND, BRAWDY WALES, UNITED KINGDOM	ELECTRONIC INSTALLATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204577N	134.70	P-301	1,740

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC INSTALLATION.	LS	-	-	9,240
TRANSMITTER SITE	LS	-	-	(2,640)
RECEIVER SITE.	LS	-	-	(4,540)
BUILT-IN EQUIPMENT	LS	-	-	(2,060)
SUPPORTING FACILITIES.	-	-	-	4,300
UTILITIES.	LS	-	-	(1,970)
PAVING AND SITE IMPROVEMENTS	LS	-	-	(2,330)
SUBTOTAL	-	-	-	13,540
CONTINGENCY (5%)	-	-	-	680
TOTAL CONTRACT COST.	-	-	-	14,220
SUPERVISION, INSPECTION & OVERHEAD (6.5%) . .	-	-	-	920
SUBTOTAL	-	-	-	15,140
LESS: OTHER FUNDING	-	-	-	- 13,400
TOTAL REQUEST.	-	-	-	1,740
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS .	-	-	(NON-ADD)	(90,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Site preparation for relocatable-over-the-horizon-radar (ROTHR) system installation; reinforced concrete van pads, antenna footings and foundations, personnel support facilities, operations facilities, roads, security fencing, emergency generators, fuel storage tanks, utilities.

11. REQUIREMENT: AS REQUIRED

PROJECT:
Provides site preparation and support facilities for the installation of a Relocatable-Over-the-Horizon-Radar (ROTHR) System in the United Kingdom. (New mission.)

REQUIREMENT:
The ROTHR System, when installed, will satisfy the requirement for broad area over-the-horizon surveillance and tactical forces support in the North Sea and Baltic Sea regions.

CURRENT SITUATION:
There is no broad area surveillance system currently in place which provides coverage in the required area.

IMPACT IF NOT PROVIDED:
The ROTHR System will not be installed and current surveillance requirements will not be met.

ADDITIONAL:
A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when joint-use or mutual benefits are derived. Project construction cost will be shared by the U.S. and the host nation, with host nation accepting approximately 90% funding responsibility. NATO prefinancing is not applicable to this project because it is not included in an approved NATO category and is not expected to become eligible.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET SURVEILLANCE SUPPORT COMMAND, BRAWDY WALES, UNITED KINGDOM

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONIC INSTALLATION	P-301

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	11-88
(B) PERCENT COMPLETE AS OF JANUARY 1990	75
(C) DATE DESIGN 35% COMPLETE	07-89
(D) DATE DESIGN COMPLETE	07-90

(2) BASIS:

(A) STANDARD OR DEFINITIVE DESIGN:	YES ___ NO X
(B) WHERE DESIGN WAS MOST RECENTLY USED:	N/A

(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: 01-91 (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ANTENNA AND OPERATIONAL EQUIPMENT	OPN	1989	90,000
		TOTAL	90,000

*Design by others.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
PERSONNEL SUPPORT ACTIVITY, LONDON, UNITED KINGDOM	COMMANDER IN CHIEF, US NAVAL FORCES EUROPE	1.50

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/89	264	822	548	0	0	0	0	0	0	1634
b. END FY 1995	264	822	548	0	0	0	0	0	0	1634

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(	0)
b. INVENTORY TOTAL AS OF 30 SEP 89		0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		442
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		442

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	PASS OFFICE	LS	442	09/88	09/89
	TOTAL		442		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM (FY 92):
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Navy's primary activity providing personnel administrative support to military personnel and their families in Northern Europe. Maintains pay and personnel records, provides passenger transportation services, disbursing services and other related support to the Commander in Chief, US Naval Forces, Europe; US Commander, Eastern Atlantic; US naval activities and units in the United Kingdom.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	0
B:	INSTALLATION RESTORATION	0
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

VARIOUS LOCATIONS

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	LAND ACQUISITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901211N	911.10	P-091	10,660

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	LS	-	-	9,580
SUBTOTAL	-	-	-	9,580
CONTINGENCY (5%)	-	-	-	480
TOTAL CONTRACT COST	-	-	-	10,060
SUPERVISION, INSPECTION & OVERHEAD (6.0%)	-	-	-	600
TOTAL REQUEST	-	-	-	10,660
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interest in approximately 22.5 acres of land as follows; provide relocation assistance; demolition as necessary:>
Naval Weapons Station, Concord, CA - 2 acres (approx.)>
Naval Submarine Base, New London, CT - 2 acres (approx.)>
Naval Annex, Arlington, VA - 14 acres (approx.)>
Naval Avionics Center Annex, St. Croix, Virgin Islands - 4.5 acres> (approx.)

11. REQUIREMENT: AS REQUIRED

Acquires interests in land at four locations to support activity missions. Adequate control of real estate by restrictive-use easements or fee title is necessary to properly site facilities and protect operational capabilities and technical parameters. 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:

Naval Weapons Station, Concord, California - The land will be used to construct earth berms and piers to support a government-owned railroad and vehicle bridge across the public Port Chicago Highway. This project will ensure uninterrupted movement of explosives between the inland and tidal areas of the weapons station. It will greatly improve security and safety for ordnance shipment by eliminating the crossing of a public highway by Navy trains and trucks moving between the two areas of the station. The potential for a significant accident is extremely high. There are no additional land acquisitions associated with this action. In FY 1990, the acquisition of 109.5 acres was approved for closure of the public use portions of Port Chicago Highway and Waterfront Road, which cross the tidal area. A Memorandum of Understanding with Contra Costa County was signed on 22 June 1988. Also included was acquisition of roadways, fencing, turn-around cul-de-sacs, and gatehouses. This

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
LAND ACQUISITION	P-091

11. REQUIREMENT: (CONTINUED)
REQUIREMENT: (CONTINUED)
acquisition completes a long-term real estate requirement.

Naval Submarine Base, New London, Connecticut - This project proposes to acquire 1.67 acres of land currently leased from the State of Connecticut, which is the homeport of Submarine Squadron TEN. Acquisition includes a two-story, State-owned terminal/office building. This project also includes rights to demolish the wood-frame, lean-to portion of the State warehouse on the State Pier. The property is unique in that it is contiguous to Navy property. Fee acquisition is required for operational and security improvements of Submarine Squadron TEN. This acquisition will satisfy the land requirement for berthing improvements. A follow-on MILCON project will construct a warehouse on the site, upgrade waterfront utilities, expand and improve the tender mooring platform to accommodate the new AS-31 Class tender, and provide dredging. The Navy owns 1.66 acres of property at the State Pier acquired in the FY 1983 MILCON Program. It has made MILCON improvements to the property and parking lot. No additional land acquisition, easements or facilities acquisition from the State of Connecticut are planned at the State Pier.

Naval Annex, Arlington, Virginia - This project provides funding to reimburse the General Services Administration (GSA) for the July 1989 transfer of 14 acres to the Navy. GSA conveyed this land subject to the Navy paying the appraised fair market value. Currently, the land is being used for parking 1,100 Navy Annex employee cars. Federal Property Management Regulation (41 CFR 101-47.203-7) requires the Navy to reimburse GSA. The Barracks "K" land area consists of land previously acquired by the Department of Transportation for the construction of Shirley Highway (I-395), but later reported as excess to GSA. For more than 20 years prior to the transfer in 1989, Navy occupied this property under a series of GSA permits to build and operate a parking lot for the Navy Annex. This space provides the only parking for the more than 5,000 Navy Annex employees. No other site or facilities are available to replace Barracks "K" parking. No planned or programmed real estate needs are expected at this activity.

Naval Avionics Center Indianapolis Annex, St. Croix, Virgin Islands - This project will acquire approximately 4.453 acres of unimproved land in fee simple for use in connection with the Sonobuoy Quality Assurance Program (SQAP). As a function of SQAP, samples of sonobuoy production lots are tested at Hamm's Bluff on St. Croix in the U.S. Virgin Islands. However, the Atlantic Fleet Weapons Training Facility (AFWTF) underwater tracking range has expanded into the vicinity of the ocean area used for Sonobuoy Acceptance Testing and severely restricted the periods during which testing can be accomplished in the Hamm's Bluff area. The proposed 4.453-acre alternate site is located on the east end of the Island of St. Croix, known as Sugarloaf Hill. Thus, since 1986, the 4.453 acres have been under lease for an operating site for SQAP. However, the land has since been sold to a financial group which intends to develop the surrounding land into single family housing. Should the group fail to renew the lease in 1991, Navy would lose the use of this scarce testing site. The acquisition will accommodate the need for permanent improvements. No additional land acquisition associated with this project is contemplated.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
LAND ACQUISITION	P-091

12. SUPPLEMENTAL DATA: (Not applicable to this project.)

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 1990	0
(C) DATE DESIGN 35% COMPLETE	
(D) DATE DESIGN COMPLETE	

(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	(0)
(B) ALL OTHER DESIGN COSTS	(0)
(C) TOTAL	0
(D) CONTRACT	(0)
(E) IN-HOUSE	(0)

(4) CONSTRUCTION START _____ (MONTH AND YEAR)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

NONE

POLLUTION ABATEMENT

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	POLLUTION ABATEMENT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
VARIES	VARIES	VARIOUS	38,910

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POLLUTION ABATEMENT FACILITIES	LS	-	-	38,910
TOTAL REQUEST.	-	-	-	38,910

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: VARIES.

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 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.

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

11. REQUIREMENT: (CONTINUED)

Industrial Wastewater Treatment Facilities - Industrial operations create many unique waste disposal problems. These wastes are more difficult to 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 (MCLSs) 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.

12. SUPPLEMENTAL DATA:

A. ESTIMATED DESIGN STATUS: PROJECT DESIGNS CONFORM TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE".

INDIVIDUAL PROJECT DESCRIPTIONS FOLLOW:

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		INSIDE THE UNITED STATES	
		ALASKA	
833.20	P-892	SOLID WASTE DISPOSAL FACILITY ADAK AK NAS	4,250

Solid waste is currently disposed of through a baling and burial procedure. The compacting and baling is accomplished in a 44-year old facility. Failures and downtime cause an unacceptable level of garbage and trash to accumulate and attract vermin. Because of poor drainage and this accumulation, standing pools of contaminated water are formed. The overall situation promotes unsanitary conditions. Without the proposed facility, the threat of a shutdown because of system and equipment failure or unacceptable health hazards will continue to exist. This project will replace the obsolete facility. (Current mission.)

SUBTOTAL - ALASKA	4,250
CALIFORNIA	
214.55 P-470 INDUSTRIAL WASTEWATER TREATMENT FACILITIES TWENTYNINE PALMS CA MAGCC	2,600

Washdown facilities are necessary for maintenance of tactical and support vehicles returning from firing range training. Thirteen wash facilities presently discharge large quantities of oily wastewater into sanitary sewers or unlined storm drainage ditches. Facility improvements are required to reduce the quantity of wastewater and the amount of oil, grease, and solvents in the wash water effluent. These improvements will eliminate potential drinking water contamination from hazardous waste discharges, reduce the load on the sewage treatment plant, and eliminate the waste oil that now flows into the sanitary sewers. Sand and oil separators presently used are not efficient because of the excessive quantities of sand needed and the effluent velocity through the separators. The large quantities of oil mixed with water have a deleterious effect on the operation of the sewage treatment plant. Permits are necessary for seven of the wash stations that discharge into storm drain channels. The petroleum product content, particularly high levels of benzene, exceeds the State standards and thus the Regional Water Quality Control Board cannot issue the permits. This project will eliminate waste discharges from washdown facilities to open drainage ditches and provide pretreatment of the wastes before discharge to the sanitary sewer system. (Current mission.)

SUBTOTAL - CALIFORNIA	2,600

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		FLORIDA	
831.15	P-616	INDUSTRIAL WASTEWATER TREATMENT FACILITIES JACKSONVILLE FL NADEP	14,670
		Elimination of hazardous wastes being discharged is mandated by compliance schedules incorporated in the National Pollutant Discharge Elimination System (NPDES) permit. The performance of metal-coating and plating processes, metal finishing, and paint stripping operations results in the eventual discharge of hazardous wastes to the domestic sewage treatment facility. Prevention of this hazardous waste discharge into the St. Johns River, as part of the domestic wastewater effluent, has been targeted by the Environmental Protection Agency. The work included in this project will insure Navy compliance with Federal and State water quality standards. (Current mission.)	
842.10	P-111	WATER AND SEWER PIPELINES SEPARATION PENSACOLA FL PWC	3,460
		A survey and study of the facilities at NAS Pensacola indicated a potential hazard for contamination of the potable water system exists in many locations throughout the activity. Contamination of potable water would pose a serious threat to the health and safety of personnel. The elimination of all possible potable water contamination through cross-connections of potable and non-potable water pipelines is required by the EPA and the State of Florida. This project will provide back-flow prevention devices, double-check valves, and piping system modifications to eliminate violations of the Florida Department of Environmental Regulation and the Clean Water Act. Without this project, the Navy will continue to have the possibility of water contamination and be in violation of both EPA and the State of Florida. (Current mission.)	
		SUBTOTAL - FLORIDA	18,130
		MARYLAND	
831.10	P-963	INDUSTRIAL WASTEWATER TREATMENT FACILITIES INDIAN HEAD MD NOS	6,430
		This station discharges virtually untreated industrial wastewater from a number of explosive and propellant operations into the Mattawoman Creek and Potomac River. The Environmental Protection Agency (EPA) has issued a discharge permit to the Navy, which the station cannot meet. The EPA, the State of Maryland, and the station have signed a compliance agreement for the station to build a treatment plant to meet the permit requirements by April 1993. This project will construct a central industrial wastewater treatment plant and collection system on station. Failure to construct the treatment plant by the compliance agreement date will cause the Navy to be in violation of Federal and State water pollution control laws. (Current mission.)	
		SUBTOTAL - MARYLAND	6,430
		TOTAL - INSIDE THE UNITED STATES	31,410

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		OUTSIDE THE UNITED STATES	
		GUAM	
831.10	P-141	SANITARY WASTEWATER SYSTEM UPGRADE GUAM PWC	7,500
		Minimum levels for effluent discharge cannot be met by the existing primary treatment plant. Secondary sewage treatment is required by EPA compliance schedules issued to the Navy Public Works Center. This project will upgrade the primary treatment plant and provide the secondary treatment necessary for the Navy to comply with EPA and local water quality control standards, avoiding possible fines and plant shutdown. (Current mission.)	
		SUBTOTAL - GUAM	7,500
		TOTAL - OUTSIDE THE UNITED STATES	7,500
		TOTAL - POLLUTION ABATEMENT FACILITIES	38,910

UNSPECIFIED
MINOR CONSTRUCTION

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901211N	020.00	P-091	13,311

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS	-	-	13,311
TOTAL REQUEST.	-	-	-	13,311

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Unspecified minor construction projects within the concepts of Title 10 USC 2805 not otherwise authorized by law (except family housing) having an approved cost of $1,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities.

11. REQUIREMENT: VARIES.

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 $1,000,000 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.

ARCHITECTURAL & ENGINEERING SERVICES & CONSTRUCTION DESIGN

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	A & E SERVICES AND CONSTRUCTION DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901211N	010.00	VARIOUS	76,951

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A & E SERVICES AND CONSTRUCTION DESIGN	LS	-	-	76,951
TOTAL REQUEST.	-	-	-	76,951

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: VARIES.

All projects in a military construction program presented for approval must be based on sound engineering and the best cost data avilable. 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 includeo in the construction project cost estimates.

ACCESS ROADS

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	ACCESS ROADS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901211N	040.00	P-191	4,017

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ACCESS ROADS	LS	-	-	4,017
TOTAL REQUEST	-	-	-	4,017

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Finance: (1) new off-station entrances to Naval activities or new connections between Naval activities; (2) urgently needed improvements of existing highways serving Naval activities; (3) the Federal Government's share of cost of relocating highways severed by expansion or construction of new Naval facilities; (4) alterations to roads near Naval 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: VARIES.

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).

PROJECTS $1 MILLION & UNDER

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS	PROJECTS $1 MILLION AND UNDER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
VARIES	VARIOUS	VARIOUS	7,932

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROJECTS $1 MILLION AND UNDER.	LS	-	-	7,932
TOTAL REQUEST.	-	-	-	7,932

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:

A. ESTIMATED DESIGN STATUS: PROJECT DESIGNS CONFORM TO PART II OF MILITARY HANDBOOK 1190, "FACILITY PLANNING AND DESIGN GUIDE".

INDIVIDUAL PROJECT DESCRIPTIONS FOLLOW:

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		INSIDE THE UNITED STATES	
		CALIFORNIA	
171.20	P-888	WEAPONS SCHOOL ADDITION LEMOORE CA NAS	900

Special purpose training in classified weapons system assigned to strike fighter squadrons at this activity is scheduled to begin in 1992. Because of the requirements for limited access and a controlled space, there are no facilities available in which to house this type of training. This project constructs an addition to the Light Attack Weapons School to support training in this new weapons system. (New mission.)

213.55	P-235	ASBESTOS REMOVAL SHOP LONG BEACH CA NSY	500

Removal of asbestos insulation from equipment and pipes on ships presently takes place at great risk to the health and safety of personnel in an adjacent area and to those directly engaged in the asbestos removal. The facilities currently used have an uncontrolled environment and do not meet Environmental Protection Agency (EPA) regulations governing the emission of asbestos fibers. This project modifies and converts a shop facility to provide an efficient, negative pressure facility for an effective asbestos removal shop meeting EPA standards. (Current mission.)

832.40	P-092	OILY WASTE SYSTEM SAN DIEGO CA NSB	540

An oily waste collection system is required to serve surface vessels and submarines docked at piers. The existing oily waste system piping does not have the capacity to convey the oily waste from surface vessels and submarines docked at the piers. Waste piping under two piers is deteriorated causing frequent leakage into San Diego Bay. The shore-side piping is undersized and cannot handle the required flows. Because of the lack of check valves and deteriorated piping, oily waters are currently pumped into floating oil disposal rafts which can only be filled to less than half full or they will spill into the bay. The wastes are then transported to a treatment facility a mile away. This project is necessary to mitigate discharge of oily wastes into the San Diego Bay in violation of Federal and California statutes. This project provides an oily waste collection system with increased capacity for ships docked at piers and expanded storage at the oily waste pumping station. (Current mission.)

SUBTOTAL - CALIFORNIA	1,940

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		GEORGIA	
421.48	P-420	SMALL ORDNANCE MAGAZINE KINGS BAY GA NSB	620
		Adequate storage is needed for small ordnance components used with the TRIDENT II missile launcher system. There is insufficient magazine storage for these small ordnance components, which jeopardizes the refit turn-around schedule for TRIDENT submarines. This will cause patrol time for the OHIO Class submarine to be decreased. This project provides missile small ordnance components storage. (New mission.)	
		SUBTOTAL - GEORGIA	620
		ILLINOIS	
871.10	P-378	STORM SEWER SYSTEM IMPROVEMENTS GREAT LAKES IL PWC	700
		The installation of trench-drains around steam manholes and waterproofing is required to allow subsurface water to drain off, lowering the static ground water table. A high ground water table in the Camp Porter training areas has been the cause of frequent utility outages that interfere with recruit training. Ground water levels are presently above steam manhole bases. The utility outages and resulting hazards usually occur during rainy weather or when snow is melting because of the inability of the present system to drain away water rapidly. This project will increase the life of the steam lines and conserve energy and reduce maintenance costs. (Current mission.)	
		SUBTOTAL - ILLINOIS	700
		SOUTH CAROLINA	
610.10	P-747	PAY AND PERSONNEL SUPPORT OFFICE ADDITION CHARLESTON SC NS	720
		Adequate administrative space is required for this activity to handle military pay and transportation functions, and to maintain military personnel records of shore activities and designated Fleet units at the Naval Base, including submarine off-crews and ships undergoing overhaul at the shipyard. These functions are currently located in a portion of the Naval Base headquarters building which is too small for expansion. The crowded conditions have impacted on this activity's ability to manage the workload, causing processing delays in handling personnel and pay records. This project provides additional administrative space by constructing a second floor addition to an existing building. (Current mission.)	
		SUBTOTAL - SOUTH CAROLINA	720

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		VIRGINIA	
171.20	P-360	TRAINING MATERIALS STORAGE LITTLE CREEK VA PHIBSCOL	800

The storage, maintenance, and repair of sit-in model training ships require slip, pier, and work-bay areas that can accommodate all of the models, support boats, and equipment. If these facilities are not expanded, support equipment and boats will have to be stored outside the building in unsecured areas accessible to both military and civilian personnel, exposing them to damage from vandalism. This project enlarges and weatherizes a building to provide storage, maintenance, and repair space for ship handling trainers. (Current mission.)

SUBTOTAL - VIRGINIA 800

WASHINGTON

860.40 P-057 CRANE TRACKAGE EXTENSION 910
BANGOR WA TRIDENT REFITFA

An additional crane rail spur is required to park additional cranes and allow remaining cranes full access to main crane rails. This extension will also be used as a place to do maintenance on cranes. Currently, there are two 56-ton cranes on the Delta Pier. These cranes will be upgraded to 85 tons each and two 25-ton cranes have been purchased. Without sufficient storage space for cranes, crane travel is severely restricted, and maintenance must be performed while the crane is on the main track, disrupting other operations. Portions of the building and the drydock covers prevent easy passage of the cranes. As berthing activities increase, crane use will intensify. The crane rail extension is essential for efficient refit of TRIDENT submarines, enabling the removal of one of four cranes from the main tracks for passage or maintenance. This project provides an additional crane rail spur on Delta Pier with related deck concrete panels. (Current mission.)

421.62 P-943 MAGAZINE MODIFICATIONS 800
SILVERDALE WA STRATWEPFAC

An adequate capacity of compartmentalized and environmentally controlled magazines is required to meet the requirements for storage of re-entry bodies in support of the TRIDENT II fleet deployment schedule. The existing magazines are being utilized for A3 ordnance storage. This project provides modifications to three ordnance magazines for re-entry body storage. Without this project, this activity will not have adequate capacity to store the required quantities of re-entry bodies needed to support Strategic Weapons Facility D-5 production operations. (New mission.)

SUBTOTAL - WASHINGTON 1,710

TOTAL - INSIDE THE UNITED STATES 6,490

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		OUTSIDE THE UNITED STATES	
		UNITED KINGDOM	
610.10	P-610	PAY AND PERSONNEL SUPPORT OFFICE LONDON UK PERSPTACT	442

The pay and personnel source data system is a standard automated information system being installed world-wide to support the operation of personnel support activities. Existing space cannot accommodate the necessary computers and peripheral equipment. This project will provide the space necessary to house this equipment. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. Prefinancing under NATO procedures is not planned for this project as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible. (Current mission.)

SUBTOTAL - UNITED KINGDOM	442
TOTAL - OUTSIDE THE UNITED STATES	442
VARIOUS LOCATIONS	
610.10 P-091 HOST NATION INFRASTRUCTURE SUPPORT	1,000

The host nation support required varies for each individual NATO project. Since the total requirement for each NATO project cannot be determined at the project's inception, 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.

TOTAL - VARIOUS LOCATIONS	1,000

(CONTINUED ON DD 1391C)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		GRAND TOTAL - PROJECTS $1 MILLION AND UNDER	7,932

FAMILY HOUSING

DEPARTMENT OF NAVY
MILITARY FAMILY HOUSING
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Family Housing, Navy and Marine Corps

For expenses of family housing for the Navy and Marine Corps for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operation and maintenance, including debt payment, leasing, minor construction, principal and interest charges, and insurance premiums, as authorized by law, as follows: for Construction, [$174,621,000] $185,000,000; for Operation and maintenance, and for debt payment, [$623,700,000] $719,500,000; in all [$798,321,000] $904,500,000: Provided, That the amount provided for construction shall remain available until September 30, [1994] 1995.

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) SUMMARY

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing	186,866	129,773	136,380	193,715	140,585	136,892
01.0201 Post-Acquisition Construction	55,665	41,748	42,420	51,222	38,529	46,738
01.0301 Planning and design	2,315	3,100	6,200	6,913	2,779	4,724
10.0001 Total	244,846	174,621	185,000	251,850	181,893	188,354
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-151,961	-144,366	-137,094
21.4009 Reprograming from/to prior year budget pla	-590					
22.4001 Unobligated balance transferred to other acc	-415			-415		
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				144,366	137,094	133,740
25.0001 Unobligated balance lapsing	340			340		
40.0001 Budget authority (Appropriation)	244,181	174,621	185,000	244,181	174,621	185,000
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				251,850	181,893	188,354
72.4001 Obligated balance, start of year				198,216	272,099	228,564
73.0001 Obligated balance transferred, net				-2,348		
74.4001 Obligated balance, end of year				-272,099	-228,564	-210,804
77.0001 Adjustments in expired accounts (net)				79		
90.0001 Outlays				175,698	225,428	206,114

Family Housing Construction, Navy
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing			136,380			77,480
01.0201 Post-Acquisition Construction			42,420			21,185
01.0301 Planning and design			6,200			3,085
10.0001 Total			185,000			101,750
Financing:						
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans						83,250
40.0001 Budget authority (Appropriation)			185,000			185,000

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1990

Identification code 17-7030-0-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing		129,773		73,618		36,689
01.0201	Post-Acquisition Construction		41,748		20,874		14,612
01.0301	Planning and design		3,100		1,550		1,085
10.0001	Total		174,621		96,042		52,386
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						-78,579
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				78,579		26,193
40.0001	Budget authority (Appropriation)		174,621		174,621		

Family Housing Construction, Navy
Program and Financing (in Thousands of Dollars) FISCAL YEAR 1989

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing	186,866			117,087	41,665	14,991
01.0201 Post-Acquisition Construction	55,665			34,678	12,715	4,412
01.0301 Planning and design	2,315			1,747	221	185
10.0001 Total	244,846			153,512	54,601	19,588
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans						
22.4001 Unobligated balance transferred from other a	-665			-665	-91,334	-36,733
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				91,334	36,733	17,145
40.0001 Budget authority (Appropriation)	244,181			244,181		

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1988

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				68,135	24,979	2,865
01.0201 Post-Acquisition Construction				9,106	71	6,410
01.0301 Planning and design				3,694	431	250
10.0001 Total				80,935	25,481	9,525
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-123,344	-42,158	-16,677
21.4009 Reprograming from/to prior year budget pla	-250					
22.4001 Unobligated balance transferred to other acc	250			250		
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				42,158	16,677	7,152
39.0001 Budget authority						

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1987

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				7,365	11	4,867
01.0201 Post-Acquisition Construction				5,144	2,726	119
01.0301 Planning and design				560	7	119
10.0001 Total				13,069	2,744	5,105
Financing:						
Unobligated balance available, start of year:						
21.4002 Fo completion of prior year budget plans						
Unobligated balance available, end of year:				-20,918	-7,849	-5,105
24.4002 For completion of prior year budget plans						
39.0001 Budget authority				7,849	5,105	

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1986

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
	1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
Program by activities:						
Direct program:						
01.0101 Construction of new housing				572	312	
01.0201 Post-Acquisition Construction				2,250	2,143	
01.0301 Planning and design				371	570	
10.0001 Total				3,193	3,025	
Financing:						
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-6,218	-3,025	
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				3,025		
39.0001 Budget authority						

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1985

Identification code 17-7030-0-1-051		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
		1989 actual	1990 est.	1991 est.	1989 actual	1990 est.	1991 est.
	Program by activities:						
	Direct program:						
01.0101	Construction of new housing				556		
01.0201	Post-Acquisition Construction				44		
01.0301	Planning and design				541		
10.0001	Total				1,141		
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-1,481		
21.4009	Reprograming from/to prior year budget pla	-340					
25.0001	Unobligated balance lapsing	340			340		
39.0001	Budget authority						

Family Housing Construction, Navy
Object Classification (in thousands of dollars) SUMMARY

Identification code 17-7030-0-1-051		1989 actual	1990 est.	1991 est.
	Direct obligations:			
	Other services:			
125.003	Contracts	9,872	7,433	8,802
125.004	Other	2,711	2,008	2,230
132.001	Land and structures	239,267	172,452	177,322
199.001	Total Direct obligations	251,850	181,893	188,354
999.901	Total obligations	251,850	181,893	188,354

Family Housing Operations and Debt, Navy
Program and Financing (in thousands of dollars)

Identification code 17-7035-0-1-051		1989 actual	1990 est.	1991 est.
	Program by activities:			
	Direct program:			
02.0101	Operating expenses	261,221	281,956	294,490
02.0201	Leasing	28,533	41,488	53,775
02.0301	Maintenance of real property	267,270	300,048	371,037
02.0401	Interest payments	1		
02.0501	Mortgage insurance premiums	212	208	198
02.9101	Total direct program	557,237	623,700	719,500
03.0101	Reimbursable Program	8,174	11,917	12,100
10.0001	Total obligations	565,411	635,617	731,600
	Financing:			
	Offsetting collections from:			
11.0001	Federal funds(-)	-7,334	-11,917	-12,100
14.0001	Non-Federal sources(-)	-840		
22.4001	Unobligated balance transferred from other accounts (-)	-9,200		
25.0001	Unobligated balance lapsing	6,824		
39.0001	Budget authority	554,860	623,700	719,500
	Budget authority:			
40.0001	Appropriation	554,987	623,700	719,500
40.4701	Portion applied to debt reduction(-)	-127		
43.0001	Appropriation (adjusted)	554,860	623,700	719,500
	Relation of obligations to outlays:			
71.0001	Obligations incurred, net	557,237	623,700	719,500
72.4001	Obligated balance, start of year	328,755	325,834	359,762
73.0001	Obligated balance transferred, net	2,348		
74.4001	Obligated balance, end of year	-325,834	-359,762	-404,376
77.0001	Adjustments in expired accounts (net)	-2,391		
90.0001	Outlays	560,115	589,772	674,886

Family Housing Operations and Debt, Navy
Object Classification (in Thousands of dollars)

Identification code 17-7035-0-1-051		1989 actual	1990 est.	1991 est.
	Direct obligations:			
121.001	Travel and transportation of persons	2,198	2,332	2,620
123.301	Communications, utilities, and miscellaneous	166,903	176,096	180,046
	Other services:			
125.002	Purchases from industrial funds	104,963	86,841	92,639
125.003	Contracts	144,144	207,286	314,034
125.004	Other	118,912	134,171	109,365
126.001	Supplies and materials	5,211		
131.001	Equipment	14,693	16,766	20,598
143.001	Interest and dividends	213	208	198
199.001	Total Direct obligations	557,237	623,700	719,500
	Reimbursable obligations:			
223.301	Communications, utilities, and miscellaneous	5,179	7,550	7,661
	Other services:			
225.004	Other	2,343	3,417	3,474
231.001	Equipment	652	950	965
299.001	Total Reimbursable obligations	8,174	11,917	12,100
999.901	Total obligations	565,411	635,617	731,600

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
AUTHORIZATION FOR APPROPRIATION REQUESTED
($000)

FUNDING PROGRAM		FY 1991
Construction of New Housing		136,380
Construction Improvements		42,420
A & E Services and Construction Design		6,200
Appropriation Request, Family Housing Construction		185,000
Operations and Maintenance		665,527
Operating Expense	113,880	
Utilities	180,610	
Maintenance	371,037	
Leasing		53,775
Domestic	26,720	
Foreign	27,055	
Debt Payment		198
Principal	0	
Interest and Other Expense	0	
Servicemen's Mortgate Insurance Premiums for Existing Coverage	198	
Appropriation Request, Family Housing Support		719,500
Total Family Housing, Navy, Appropriation Request		904,500
Reimbursable Authority Requirements		12,100
Total Family Housing, Department of Navy Program		916,600

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET SUMMARY
PROGRAM SUMMARY

(In Thousands)

FY 1991 Program $916,600
FY 1990 Program $810,238

Purpose and Scope

This program provides for the support of military family housing functions within the Department of Navy.

Program Summary

Authorization is requested for:

(1) The performance of certain construction summarized hereafter; and

(2) The appropriation of $916,600,000:

(a) to fund this construction; and

(b) to fund partially certain other functions already authorized in existing legislation.

A summary of the funding program for Fiscal Year 1991 follows ($000):

Program	Navy	Marine Corps	DON Total
Construction			
Appropriation Request	168,195	16,805	185,000
Reimbursements	--	--	--
Total Program	168,195	16,805	185,000
Operations, Utilities, Maintenance and Leasing			
Appropriation Request	600,354	118,948	719,302
Reimbursements	10,400	1,700	12,100
Total Program	610,754	120,648	731,402
Debt Payment			
Appropriation Request	189	9	198
Reimbursements	--	--	--
Total Program	189	9	198
Total			
Appropriation Request	768,738	135,762	904,500
Reimbursements	10,400	1,700	12,100
Total Program	779,138	137,462	916,600

NEW CONSTRUCTION AND IMPROVEMENTS

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
CONSTRUCTION OF NEW HOUSING

(In Thousands)

FY 1991 Program $136,380
FY 1990 Program $129,773

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:

(1) Construction of 1,112 units of family housing, three family housing offices, and two community centers, and

(2) Appropriation of $136,380,000 to fund this construction.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
Marine Corps		DEC 89

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR COST INDEX
MARINE CORPS BASE CAMP PENDLETON, CA		1.12

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF CER	ENLISTED	CIVILIAN	OFF CER	ENLISTED	CIVILIAN	OFF CER	ENLISTED	CIVILIAN	
a. AS OF 30SEP87	420	2772	1556	10	5338	0	2169	25,591	778	38,634
b. END FY 19 93	609	3303	1989	66	3964	0	1991	26,515	2197	40,634

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF	227,645
c. AUTHORIZATION NOT YET IN INVENTORY	63,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,805
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	13,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	44,000
g. REMAINING DEFICIENCY	263,290
h GRAND TOTAL	623,885

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DES ON STATUS START	DES ON STATUS COMPLETE
711	FAMILY HOUSING	116	11,805	Turnkey	

9. Future Projects

a. Included in the following program 107 Units

b. Major planned next three years (FY92) (FY93) (FY94)
107 115 120

10. Mission or Major Functions: Provide training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools and other training as directed to receive and process trainees; and conduct individual conbat training as required.

1 COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
MARINE CORPS		July 1989

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
Marine Corps Base Camp Pendleton CA	Family Housing

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
	711	H-890	$11,805.0

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing:	FA	116	$71,414	$8,284.0
Buildings	SF	149,200	53.54	(7,988.0)
Fire Sprinklers/Range Hood	FA			(296.0)
Supporting Costs:				2,323.0
Paving & Site Improvements				(1,206.0)
Utilities				(879.0)
Landscaping				(118.0)
Recreation				(80.0)
Special Construction Features				(40.0)
Demolition				(0.0)
Contingency (5 percent)				530.0
SIOH (6 percent)				668.0
Total Request				$11,805.0
TOTAL PROJECT COST (ROUNDED)				$11,805.0

10 DESCRIPTION OF PROPOSED CONSTRUCTION

DESCRIPTION: Two story family housing units; wood frame or masonry with stucco or prefinished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities. An environmental assessment has been completed and a FONSI was published on 6/10/88. Special construction features include seismic bracing.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	3	1200	1.1155	$48.00	60	3,855
SNCO	3	1350	1.1155	$48.00	40	2,891
SNCO	4	1450	1.1155	$48.00	16	1,242
					116	7,988

REQUIREMENT: 14295 FA ADEQUATE: 11353 FA SUBSTANDARD: 0 FA

PURPOSE: Provide 116 adequate family housing units for enlisted personnel. (Current mission.)

REQUIREMENT: Adequate family housing for married personnel.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
MARINE CORPS		July 1989

3. INSTALLATION AND LOCATION
Marine Corps Base
Camp Pendleton CA

4. PROJECT TITLE	5. PROJECT NUMBER
Family Housing	H-890

CURRENT SITUATION: A current deficit of 2,942 adequate housing units exists for enlisted personnel. This deficit is projected to stay at the same level in FY92. There is an extreme shortage of affordable, suitable housing in the private community for enlisted personnel.

IMPACT IF NOT PROVIDED: There will be an adverse impact on the effectiveness of mission accomplishment and career retention efforts if we do not provide additional housing.

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

Family Housing Requirement coordinated with Local School District. Additional educational facilities will not be required.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT 890930	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1711

3. DOD COMPONENT	4. REPORTING INSTALLATION	
NAVY	a. NAME	b. LOCATION
5. DATA AS OF 31 Jan 1989	MCB Camp Pendleton	California

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E5-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E5-E4 (f)	E3-E1 (g)	TOTAL (h)
16. TOTAL PERSONNEL STRENGTH	3280	18561	18893	40734	3547	20213	21309	45069
17. PERMANENT PARTY PERSONNEL	3090	16745	16674	36509	3112	14704	17971	35787
18. GROSS FAMILY HOUSING REQUIREMENTS	2124	11026	4414	17564	2138	9675	4762	16575
19. TOTAL UNACCEPTABLY HOUSED (a+b+c)	993	3296	860	5149	0	0	0	0
a. INVOLUNTARILY SEPARATED	22	90	184	296	0	0	0	0
b. UNACCEPTABLY HOUSED-MILITARY ASSESTS	0	0	0	0	0	0	0	0
c. UNACCEPTABLY HOUSED-COMMUNITY ASSETS	971	3206	676	4853	0	0	0	0
110. VOLUNTARY SEPARATIONS	27	66	61	154	27	75	67	169
111. EFFECTIVE HOUSING REQUIREMENTS	2097	10960	4353	17410	2111	9600	4695	16406
112. ADEQUATE HOUSING (a+b)	1654	8043	2449	12166	1773	8018	3447	13238
a. UNDER MILITARY CONTROL	525	3715	86	4269	633	3474	874	4981
(1) Housed in Existing DOI Owned/Controlled	523	3463	26	4012	633	2976	658	4269
(2) Under Contract/Approved					0	496	216	712
(3) Vacant	2	48	0	50				
(4) Inactive		207		207				
b. PRIVATE HOUSING	1129	4345	2423	7897	1140	4544	2573	8257
(1) Acceptably Housed	1212	4309	2342	7763	1112	4309	2342	7763
(2) Vacant Rental Housing	17	36	81	134	28	235	231	494
113. EFFECTIVE HOUSING DEFICIT (11-12)	443	2897	1904	5244	338	1582	1248	3168
114. PROPOSED PROJECT						116		116
115. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				30.0%	37.4%	16.8%	31.1%
	b. ALL HOUSING				84.0%	84.7%	73.4%	81.4%

116. REMARKS

SEE NEXT PAGE FOR REMARKS.

16. REMARKS

Line 4: MCB Camp Pendleton, CA is located approximately 35 miles north of San Diego and about 100 miles south of Los Angeles; 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; to receive and process trainees and conduct individual combat training as directed.

Line 12.a.(2): Col. h reflects 268 units included in the FY88 budget submission, 332 units included in the fy 89 budget submission and 112 units included in the FY90 budget submission.

Line 12.b.(2): Cols. e through g reflect anticipated growth in community assets.

Project Composition

116 Enlisted Units	60 3-bedroom JEM
	40 3-bedroom SNCO
	16 4-bedroom SNCO
	116 Units

777

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3 INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION LONG BEACH, CA		1.19

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a AS OF 31 JAN 89	1380	15115	9133	0	0	0	97	682	0	26407
b. END FY 19 94	1297	14549	9148	0	0	0	146	1557	0	26697

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	1,351
b. INVENTORY TOTAL AS OF 30 SEP 1988	87,406
c. AUTHORIZATION NOT YET IN INVENTORY	47,110
d AUTHORIZATION REQUESTED IN THIS PROGRAM	25,018
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	27,467
g. REMAINING DEFICIENCY	25,004
h. GRAND TOTAL	212,005

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000.)	DESIGN START	DESIGN COMPLETE
711	Family Housing	300	25,018	Turnkey	

9. Future Projects:

a. Included in following program (FY92) — None
b. Major planned next three years (FY94) — 300 units

10. Mission or Major Functions: NAVSTA Long Beach provides logistic support for the operating forces of the Navy and for dependent activities and other commands as assigned. Services range from providing ships with berths, fuel and water, to providing recreation facilities for military personnel. The Pay and Personnel Administrative Support System Detachment receives, processes, and transfers personnel, both fleet and shore based. NAVSTA Long Beach is also responsible for the Housing Department, Navy Exchange, Commissary Store, Station Housekeeping, waterfront and harbor.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NS LONG BEACH, CA	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-614	25,018

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	300	53,737	16,121
BUILDINGS	SF	294,000	54.83	(16,121)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				6,357
PAVING & SITE IMPROVEMENTS				(2,869)
UTILITIES				(2,418)
LANDSCAPING				(396)
RECREATION				(190)
SPECIAL CONSTRUCTION FEATURES				(484)
DEMOLITION				(0)
SUB TOTAL				22,478
CONTINGENCY (5%)				1,124
TOTAL CONTRACT COST				23,602
SUPERVISION, INSPECTION, & OVERHEAD (6%)				1,416
TOTAL REQUEST				25,018

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or pre-finished 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	1.1424	$48.00	250	13,023
SEM	2	950	1.1424	$48.00	30	1,563
SEM	3	1350	1.1424	$48.00	10	740
SEM	4	1450	1.1424	$48.00	10	795
					300	16,121

11. REQUIREMENT: 4662 FA ADEQUATE: 1999 FA SUBSTANDARD: 254 FA

Project: Provide 300 adequate family housing units for enlisted personnel. (Current mission.)

Requirement: Adequate family housing for married personnel.

Current Situation: The housing requirement at Long Beach is critical and long-standing. Over 1,500 families are currently waiting 12-18 months for assignment to existing Navy housing. The private comunity in the greater

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL STATION LONG BEACH, CA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
FAMILY HOUSING	H-614

NAVAL STATION, LONG BEACH, CA (Continued)

CURRENT SITUATION: (Continued) Los Angeles/Long Beach area is huge, with a large and diverse housing supply. However, sale housing in this area is among the most expensive in this country, priced beyond the means of enlisted and many officer families. Rental housing vacancy rates average about 2%. Affordable rentals in downtown Long Beach are old and poorly maintained. Land values are such that the relatively few new rental developments are primarily deluxe units priced beyond the means of military families.

IMPACT IF NOT PROVIDED: If the Navy is not allowed to construct additional units as an offset to the deficit, military members will be forced to choose between involuntary separation from their families or accepting housing that is unaffordable or unsuitable. Either choice will lead to dissatisfaction with the Navy. Retention will be adversely impacted.

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

Necessary coordination with school district is in progress.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 891005	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT NAVY	4. REPORTING INSTALLATION a. NAME NS Long Beach	b. LOCATION California	
5. DATA AS OF 31 JANUARY 1989			

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	1477	10228	5569	17274	1443	10724	5382	17549
7. PERMANENT PARTY PERSONNEL	1380	9819	5296	16495	1297	9666	4883	15846
8. GROSS FAMILY HOUSING REQUIREMENTS	845	6215	1210	8270	821	6148	1055	8024
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	140	1481	534	2155				
a. INVOLUNTARILY SEPARATED	56	694	227	977				
b. UNACCEPTABLY HOUSED-MILITARY ASSETS	0	97	155	252				
c. UNACCEPTABLY HOUSED-COMMUNITY ASSETS	84	690	152	926				
10. VOLUNTARY SEPARATIONS	177	1332	219	1728	172	1318	191	1681
11. EFFECTIVE HOUSING REQUIREMENTS	668	4883	991	6542	649	4830	864	6343
12. ADEQUATE HOUSING (a + b)	541	3427	458	4426	541	3726	712	4979
a. UNDER MILITARY CONTROL	194	1700	0	1894	194	1999	254	2447
(1) Housed in Existing DOD Owned/Controlled	184	1679	0	1863	194	1399	254	1847
(2) Under Contract/Approved					0	600	0	600
(3) Vacant	10	21	0	31				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	347	1727	458	2532	347	1727	458	2532
(1) Acceptably Housed	344	1723	457	2524	347	1727	458	2532
(2) Vacant Rental Housing	3	4	1	8	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	127	1456	533	2116	108	1104	152	1364
14. PROPOSED PROJECT					0	300	0	300
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				29.9%	47.6%	29.4%	43.3%
	b. ALL HOUSING				83.4%	83.4%	82.4%	83.2%

16. REMARKS (Specify item number)

Line 4: The Naval Station, Long Beach, California, provides logistical support to the operating forces of the Navy as well as dependent activities. Services range from providing ships with berthing, fuel, and water to recreational facilities. Naval Station Long Beach is situated approximately two miles west of downtown Long Beach. The community population exceeds two

DD Form 1523, NOV 85 *Previous editions are obsolete.*

(Continued on reverse)

REPRODUCED AT GOVERNMENT EXPENSE

16. REMARKS (Continued)

million. The local economy consists primarily of space, missile, and aircraft industries; oil refineries; manufacturing companies; shipyards and steamship companies. Long Beach is one of the busiest ports in the world.

Project Composition

300 Enlisted Units	250 2-bedroom JEM
	30 2-bedroom SEM
	10 3-bedroom SEM
	10 4-bedroom SEM
	300 Total Units

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3 INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUBLIC WORKS CENTER SAN DIEGO, CA		1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	8378	49797	17780	1360	19525	0	332	4251	0	101423
b. END FY 19 93	8448	47364	17775	1517	21670	0	386	4588	0	101748

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	2,093
b. INVENTORY TOTAL AS OF 30 SEP 1988	304,017
c. AUTHORIZATION NOT YET IN INVENTORY	97,984
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	31,880
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	53,358
g. REMAINING DEFICIENCY	401,280
h. GRAND TOTAL	888,519

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	300	31,880	Turnkey	

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years (FY93, FY94) 600 units

10. Mission or Major Functions: San Diego provides support for major fleet, fleet air, research and development and parallel support operations to a significant percentage of Navy and Marine Corps forces on the West Coast.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUBLIC WORKS CENTER SAN DIEGO, CA	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-815	$31,880

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	300	63,477	19,043
BUILDINGS	SF	345,000	55.20	(19,043)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				9,600
PAVING & SITE IMPROVEMENTS				(4,284)
UTILITIES				(3,126)
LANDSCAPING				(1,238)
RECREATION				(381)
SPECIAL CONSTRUCTION FEATURES				(571)
DEMOLITION				(0)
SUB TOTAL				28,643
CONTINGENCY (5%)				1,432
TOTAL CONTRACT COST				30,075
SUPERVISION, INSPECTION, & OVERHEAD (6%)				1,804
TOTAL REQUEST				31,879
TOTAL REQUEST (ROUNDED)				31,880

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or pre-finished 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	1.1500	$48.00	60	3,146
JEM	3	1200	1.1500	$48.00	240	15,897
					300	19,043

Project: Construct 300 adequate family housing units for enlisted personnel. (Current mission.)
Requirement: Adequate family housing is needed for married personnel.

Current Situation: The projected family housing deficit at San Diego is the largest in the Navy. The current inventory of 6,098 units satisfies only 15% of the family housing requirement. Despite aggressive Housing Referral Service efforts to maximize the Navy's share of available suitable private assets, there is a huge waiting list for Navy housing of approximately 5,800 families who face average waits of 25-26 months for one and two bedroom units, 14-15 months for three bedroom units, and 10-11 monthes for four and more bedroom units. The most critical need is for two, three, and four

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
PUBLIC WORKS CENTER SAN DIEGO, CA	
4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING	H-815

PUBLIC WORKS CENTER SAN DIEGO, CA (Continued)

CURRENT SITUATION: (Continued) bedroom units for junior enlisted families. Private sector construction of housing in San Diego county has been active over the past several years. Vacancy rates have increased from an average of 3.7% in 1986 to 7%. However, this short period of rapid growth is expected to stabilize. A recently established local anti-growth initiative, Proposition A, requires a vote of the people of San Diego before designated areas of San Diego can be developed. Also, the City of San Diego has recently passed an ordinance limiting residential construction to approximately half as many units as were built in 1986. It is conceivable that other cities in San Diego county may impose similar restrictions. The average sale price in excess of $146,000 is beyond the reach of most enlisted and junior officer families. Families seeking rental housing face similar problems. Rentals are unaffordable to many enlisted families. Despite the recent growth in residential construction, cost continues to undermine the local community's ability to supply affordable housing to more Navy families.

IMPACT IF NOT PROVIDED: Military members will be forced to choose between involuntary separation from their families. Such a choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

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

Necessary coordination with school district is in progress.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT: Navy	4. REPORTING INSTALLATION: a NAME: PWC San Diego	b LOCATION: California	
5. DATA AS OF: 31 January 1988			

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	14281	57789	36581	108651	8930	49962	21693	80585
7. PERMANENT PARTY PERSONNEL	8806	51267	21138	81211	8911	48725	20798	78434
8. GROSS FAMILY HOUSING REQUIREMENTS	5860	33258	4781	43899	6022	31798	4532	42352
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	854	6553	1747	9154				
a. INVOLUNTARILY SEPARATED	52	718	370	1140				
b. UNACCEPTABLY HOUSED-MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED-COMMUNITY ASSETS	802	5835	1377	8014				
10. VOLUNTARY SEPARATIONS	197	2621	960	3778	208	2506	910	3624
11. EFFECTIVE HOUSING REQUIREMENTS	5663	30637	3821	40121	5814	29292	3622	38728
12. ADEQUATE HOUSING (a + b)	4819	24137	2037	30993	4978	25465	2074	32517
a. UNDER MILITARY CONTROL	565	5533	0	6098	565	6669	0	7234
(1) Housed in Existing DOD Owned/Controlled	536	5352	0	5888	565	5533	0	6098
(2) Under Contract/Approved					0	1136	0	1136
(3) Vacant	29	181	0	210				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	4254	18604	2037	24895	4413	18796	2074	25283
(1) Acceptably Housed	4235	18544	2000	24779	4235	18544	2037	24816
(2) Vacant Rental Housing	19	60	37	116	178	252	37	467
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	844	6500	1784	9128	836	3827	1548	6211
14. PROPOSED PROJECT					0	300	0	300
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				9.7%	23.8%	0.0%	19.5%
	b ALL HOUSING				85.6%	88.0%	57.3%	84.7%

16. REMARKS (Specify item number)

Line 4: The Naval Complex centers in the city of San Diego. The Navy Public Works Center provides support for major fleet air, research and development, and parallel support operations to a significant portion of Navy and Marine Corps forces on the West Coast. It is a center of electronic, aircraft, and mission industries. Tourism and major truck and fruit farming also support

DD Form 1523, NOV 85 *Previous editions are obsolete.*

(Continued on reverse)

16. REMARKS (Continued)

the area. It is extremely popular as a place of residence for retired military personnel.

Project Composition

300 Enlisted Units	60 2-bedroom JEM
	240 3-bedroom JEM
	300 TOTAL

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5 AREA CONSTR. COST INDEX
NAVAL STATION NEW YORK, NY		1.40

6 PERSONNEL STRENGTH.	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	204	1044	834	1	0	0	1	1	0	2085
b. END FY 19 93	452	4945	834	1	0	0	8	120	0	6360

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	143	
b. INVENTORY TOTAL AS OF 30 SEP 1988		75,782
c. AUTHORIZATION NOT YET IN INVENTORY		40,390
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,692
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		36,575
h. GRAND TOTAL		172,439

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	150	19,692	Turnkey	

9. Future Projects:

a.	Included in following program (FY92)	None
b.	Major planned next three years	None

10. Mission or Major Functions: Naval Station, New York will be homeport to a Battleship Surface Action Group. As such, it will provide logistic support for both operating forces and tenant activities. Additionally, it provides personnel support for crews while their ships are undergoing overhaul in private shipyards in the New York area.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, NEW YORK, NY	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-801	19,692

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	150	83,653	12,548
BUILDINGS	SF	192,500	65.18	(12,548)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				5,144
PAVING & SITE IMPROVEMENTS				(2,585)
UTILITIES				(1,882)
LANDSCAPING				(210)
RECREATION				(152)
SPECIAL CONSTRUCTION FEATURES				(314)
DEMOLITION				(0)
SUB TOTAL				17,692
CONTINGENCY (5%)				885
TOTAL CONTRACT COST				18,577
SUPERVISION, INSPECTION, & OVERHEAD (6%)				1,115
TOTAL REQUEST				19,692

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or pre-finished 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	1.3580	$48.00	50	3,096
SEM	4	1450	1.3580	$48.00	100	9,452
					150	12,548

11. REQUIREMENT: 2275 FA ADEQUATE: 1941 FA SUBSTANDARD: 0 FA

Project: Construct 150 adequate family housing units for enlisted personnel.

Requirement: Adequate family housing is needed for married personnel.

Current Situation: As a result of strategic homeporting, a deficit of housing for enlisted personnel is projected. Construction of the infrastructure for the new homeport has been approved by Congress and is ongoing. The difficulties many families are facing in finding suitable, affordable housing have been well publicized. The strict rent control laws in New York City serve to suppress the availability of rental units, as

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL STATION NEW YORK, NY

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING	H-801

NAVAL STATION, NEW YORK, NY (Continued)

CURRENT SITUATION: (Continued) evidenced by the rental vacancy rate of 2%. The increased demand is having a spillover effect in the New Jersey suburbs as well. Those suburbs within the communting area of the Naval Station are unaffordable.

IMPACT IF NOT PROVIDED: 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 poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

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

Necessary coordination with the local school district is being pursued.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT Navy	4. REPORTING INSTALLATION a. NAME NS New York	b. LOCATION New York	
5. DATA AS OF 31 January 1988			

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	206	960	85	1251	461	3545	1520	5526
7. PERMANENT PARTY PERSONNEL	205	959	85	1249	453	3457	1488	5398
8. GROSS FAMILY HOUSING REQUIREMENTS	158	783	25	966	344	2707	390	3441
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	5	179	14	198				
a. INVOLUNTARILY SEPARATED	3	40	0	43				
b. UNACCEPTABLY HOUSED-MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED-COMMUNITY ASSETS	2	139	14	155				
10. VOLUNTARY SEPARATIONS	14	69	1	84	30	238	16	284
11. EFFECTIVE HOUSING REQUIREMENTS	144	714	24	882	314	2469	374	3157
12. ADEQUATE HOUSING (a + b)	177	563	10	750	203	1921	310	2434
a. UNDER MILITARY CONTROL	176	485	0	661	202	1843	300	2345
(1) * Housed in Existing DOD Owned/Controlled	138	457	0	595	176	447	0	623
(2) Under Contract:Approved					26	1396	300	1722
(3) Vacant	38	28	0	66				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	1	78	10	89	1	78	10	89
(1) Acceptably Housed	1	78	10	89	1	78	10	89
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	-33	151	14	132	111	548	64	723
14. PROPOSED PROJECT					0	150	0	150
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				64.3%	80.7%	80.2%	79.0%
	b. ALL HOUSING				64.6%	83.9%	82.9%	81.8%

16. REMARKS (Specify item number)

Line 4: The Naval Station, New York, NY, is located on the northeast shore of the City of New York. Its current mission is to provide personnel support for crews while their ships are in overhaul in private shipyards in the New York area. Beginning in 1989, NS New York will become the homeport to a Battleship Surface Action Group (BB-SAG).

DD Form 1523, NOV 85 *Previous editions are obsolete.*

(Continued on reverse)

16. REMARKS (Continued)

Project Composition

150 Enlisted Units	50 2-bedroom JEM
	100 4-bedroom JEM
	150 Total Units

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION GUANTANAMO BAY, CUBA		1.61

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	206	2295	406	0	0	0	100	669	0	3676
b. END FY 19 93	203	2438	406	0	0	0	100	669	0	3816

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	28,817	
b. INVENTORY TOTAL AS OF 30 SEP 1988		99,044
c. AUTHORIZATION NOT YET IN INVENTORY		12,430
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		18,409
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		15,873
g. REMAINING DEFICIENCY		936
h. GRAND TOTAL		146,692

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	134	18,409	Turnkey	

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years (FY94) 100 units

10. Mission or Major Functions: Provide logistic support for the operating forces of the Navy, dependent activities and other commands as assigned.

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S/N 0102 LF-001 3901

1 COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NS GUANTANAMO BAY, CUBA	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-803	$18,409

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	134	87,485	11,723
BUILDINGS	SF	147,100	79.69	(11,723)
SOLAR SYSTEM	FA			(0)
SUPPORTING COST:				4,740
PAVING & SITE IMPROVEMENTS				(2,227)
UTILITIES				(1,915)
LANDSCAPING				(469)
RECREATION				(117)
SPECIAL CONSTRUCTION FEATURES				(12)
SUB TOTAL				16,463
CONTINGENCY (5%)				823
TOTAL CONTRACT COST				17,286
SUPERVISION, INSPECTION & OVERHEAD (6.5%)				1,123
TOTAL REQUEST				18,409

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two story family housing units; wood frame or masonry with stucco or pre-finished 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	1.5939	$50.00	72	5,451
JEM	3	1200	1.5939	$50.00	40	3,825
JEM	4	1350	1.5939	$50.00	12	1,291
SEM	4	1450	1.5939	$50.00	10	1,156
					134	11,723

11. REQUIREMENT: 1293 FA ADEQUATE: 995 FA SUBSTANDARD: 0 FA

Project: Construct 134 adequate family housing units for enlisted personnel.

Requirement: Adequate on-base family housing is needed for married personnel at this remote overseas location.

Current Situation: The Naval Station, Guantanamo Bay, is the only military installation located in a communist country. As such, all personnel must

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION		
NAVAL STATION GUANTANAMO BAY, CUBA		
4. PROJECT TITLE		5. PROJECT NUMBER
FAMILY HOUSING		H-803

NAVAL STATION, GUANTANAMO BAY, CUBA (Continued)

CURRENT SITUATION: (Continued) live on-base. Dependent entry approval, contingent on the availability of government quarters, is required before a military member can be accompanied by dependents. Involuntary separation is detrimental to morale. Construction of additional government quarters will reduce the wait for housing.

IMPACT IF NOT PROVIDED: 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 poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

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

Bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new, or alteration of existing, facilities for U.S. requirements shall be the responsibility of the U.S.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD)	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT: Navy	4. REPORTING INSTALLATION: a. NAME: NS. Guantanamo	b. LOCATION: Cuba	
5. DATA AS OF: 31 Jan 1989			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E6 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E6 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	430	2289	725	3444	477	2429	678	3584
7. PERMANENT PARTY PERSONNEL	330	1837	509	2676	413	2063	462	2938
8. GROSS FAMILY HOUSING REQUIREMENTS	293	1466	90	1849	344	1634	74	2052
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	273	40	313				
a. INVOLUNTARILY SEPARATED	0	273	40	313				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	0	0	0	0				
10. VOLUNTARY SEPARATIONS	49	310	50	409	51	341	41	433
11. EFFECTIVE HOUSING REQUIREMENTS	244	1156	40	1440	293	1293	33	1619
12. ADEQUATE HOUSING (a + b)	244	884	0	1128	258	1115	0	1373
a. UNDER MILITARY CONTROL	244	884	0	1128	258	1115	0	1373
(1) Housed in Existing DOD Owned/Controlled	244	884	0	1128	244	884	0	1128
(2) Under Contract/Approved					14	237	0	245
(3) Vacant	0	0	0	0				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) Acceptably Housed	0	0	0	0	0	0	0	0
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	0	272	40	312	35	178	33	246
14. PROPOSED PROJECT					0	134	0	134
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS — a. MILITARY					88.1%	96.6%	0.0%	93.1%
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS — b. ALL HOUSING					88.1%	96.6%	0.0%	93.1%

16. REMARKS (Specify item number)

Line 4: The Naval Complex, Guantanamo Bay, Cuba, is strategically located on the southeast tip of the island of Cuba. It is the only U.S. military base situated in a communist country. U.S. personnel are not permitted to exit the confines of the base either to visit or to reside in the private community. The base is totally self-sufficient, including the provision of all utilities.

DD Form 1523, NOV 85 *Previous editions are obsolete.*

(Continued on reverse)

Line 12, a.(1) Projected existing Military Family Housing units reduced by 134 to reflect requirement to replace units.

16. REMARKS (Continued)

Project Composition

134 Enlisted Units	72 2-bedroom JEM
	40 3-bedroom JEM
	12 4-bedroom JEM
	10 4-bedroom SEM
	134 Total Units

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION KEFLAVIK, ICELAND		2.80

6 PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	294	2752	110	0	0	0	169	411	0	3736
b. END FY 1993	304	2769	113	0	0	0	115	345	0	3646

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	23,340
b. INVENTORY TOTAL AS OF 30 SEP 1988	100,534
c. AUTHORIZATION NOT YET IN INVENTORY	71,454
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	27,479
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	30,611
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	10,800
h. GRAND TOTAL	240,878

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	112	27,479	Turnkey	

9. Future Projects:

a. Included in following program (FY92) 108 units
b. Major planned next three years None

10. Mission or Major Functions: U.S. Naval Station, Keflavik provides administration and logistic support to thirty-two tenant commands in Iceland. These include Commander Iceland Defense Force, Commander Fleet Air Keflavik, Commander Air Forces Iceland, U.S. Naval Facility 57th Fighter Interceptor Squadron; and the 960th AWACS.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAS KEFLAVIK, ICELAND	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-812	27,479

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	112	165,929	18,584
BUILDINGS	SF	135,450	137.20	(18,584)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				5,988
PAVING & SITE IMPROVEMENTS				(2,670)
UTILITIES				(2,694)
LANDSCAPING				(260)
RECREATION				(180)
SPECIAL CONSTRUCTION FEATURES				(184)
DEMOLITION				(0)
SUB TOTAL				24,572
CONTINGENCY (5%)				1,229
TOTAL CONTRACT COST				25,801
SUPERVISION, INSPECTION, & OVERHEAD (6.5%)				1,678
TOTAL REQUEST				27,479

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three story family housing buildings; precast concrete structures with bulk storage areas, balconies, indoor common recreation area and geothermal space heating systems. Cost of shipping U.S. precasting system included in $/NSF. Special construction cost required for removal of bedrock.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	($000) Total
JEM	2	950	2.7440	$50.00	22	2,867
SEM	2	950	2.7440	$50.00	4	521
JEM	3	1200	2.7440	$50.00	18	2,964
SEM	3	1350	2.7440	$50.00	31	5,742
CGO	2	950	2.7440	$50.00	12	1,564
CGO	3	1350	2.7440	$50.00	4	741
CGO	4	1450	2.7440	$50.00	4	796
FGO	3	1400	2.7440	$50.00	11	2,113
FGO	4	1550	2.7440	$50.00	6	1,276
					112	18,584

11. REQUIREMENT: 1647 FA ADEQUATE: 1277 FA SUBSTANDARD: 0 FA

Project: Construct 112 adequate family housing units for officer and enlisted personnel.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL AIR STATION KEFLAVIK, ICELAND	
4. PROJECT TITLE	**5. PROJECT NUMBER**
FAMILY HOUSING	H-812

NAVAL AIR STATION, KEFLAVIK, IC (Continued)

REQUIREMENT: Adequate family housing is needed for married personnel at this remote overseas location.

CURRENT SITUATION: Under the terms of the 1974 Memorandum of Understanding between the Government of Iceland and the U.S. Government, all military sponsored families and unaccompanied personnel are required to live on-base. No community support is therefore available. The Navy is responsible for providing housing support for all Navy and Air Force personnel stationed at Keflavik. The proposed construction is in support of a joint Navy/Air Force requirement. Dependent entry approval is required and is contingent upon housing availability. Due to increases in unaccompanied tour lengths from 12 to 18 months, there is increased incentive for members to elect accompanied tours to avoid prolonged separations from their families. Without available housing, they remain involuntarily separated while awaiting assignment to government quarters. Currently enlisted personnel face an eight to ten month wait for government quarters.

IMPACT IF NOT PROVIDED: Military members will be forced to choose between involuntary separation from their families. Such a choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.

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

NATO funding is not applicable to this project because it is not in a category eligible for NATO common funding.

Bilateral agreement of 1951 covering the U.S. presence in Iceland for defense purposes provides for U.S. unilateral construction of support facilities, other than those eligible for NATO common funding.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD) 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT: Navy	4. REPORTING INSTALLATION a. NAME: NAS Keflavik	b. LOCATION: Iceland	
5. DATA AS OF: 31 January 1988			

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	582	2519	719	3820	419	2487	627	3533
7. PERMANENT PARTY PERSONNEL	413	2227	600	3240	417	2244	525	3186
8. GROSS FAMILY HOUSING REQUIREMENTS	385	1690	126	2201	308	1654	97	2059
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	33	627	79	739				
a. INVOLUNTARILY SEPARATED	33	627	79	739				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	0	0	0	0				
10. VOLUNTARY SEPARATIONS	69	315	47	431	67	309	36	412
11. EFFECTIVE HOUSING REQUIREMENTS	316	1375	79	1770	241	1345	61	1647
12. ADEQUATE HOUSING (a + b)	160	755	0	915	157	1120	0	1277
a. UNDER MILITARY CONTROL	160	755	0	915	157	1120	0	1277
(1) Housed in Existing DOD Owned/Controlled	159	748	0	907	157	758	0	915
(2) Under Contract/Approved					0	362	0	362
(3) Vacant	1	7	0	8				
(4) Inactive	0	0	0	0				
b PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) Acceptably Housed	0	0	0	0	0	0	0	0
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	156	620	79	855	84	225	61	370
14. PROPOSED PROJECT					37	75	0	112
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				80.5%	88.8%	0.0%	84.3%
	b ALL HOUSING				80.5%	88.8%	0.0%	84.3%

16. REMARKS (Specify item number)

Line 4: The Naval Air Station, Keflavik, Iceland, is a primary NATO strategic location. The facility is situated 27 miles WSW of Reykjavik (85,000 population) and one mile west of Keflavik (6,500 population) on a coastal lava plain. The economy is based on the fishing industry. Reykjavik is the center for all import-export traffic for Iceland. Under the terms of

DD Form 1523, NOV 85 *Previous editions are obsolete.*

(Continued on reverse)

16. REMARKS (Continued)

the Memorandum of Understanding between the Government of Iceland and the U.S. Government, all military sponsored families and unaccompanied personnel must reside on the Navy installation. No community housing is available.

Project Composition

75 Enlisted Units	22 2-bedroom JEM
	18 3-bedroom JEM
	4 2-bedroom SEM
	31 3-bedroom SEM
37 Officer Units	12 2-bedroom CGO
	4 3-bedroom CGO
	4 4-bedroom CGO
	11 3-bedroom FGO
	6 4-bedroom FGO
	112 Total Units

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PACIFIC MISSILE TEST CENTER POINT MUGU, CA		1.18

6 PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	369	2055	4465	3	5		104	317		7318
b. END FY 19 93	398	2175					84	424		7546

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	27,093	
b. INVENTORY TOTAL AS OF 30 SEP 1988		47,945
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		513
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		48,458

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
714-30	Family Housing Office	4,116 SF	513.0	3/90	12/90

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years None

10. Mission or Major Functions: PMTC provides research and development, logistics, technical support, and training facilities for Naval weapons systems, and related devices, in support of the fleet and other department of defense agencies.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PACIFIC MISSILE TEST CENTER POINT MUGU, CA	HOUSING OFF/SELF HELP STORE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-30	HC-01-87	513

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOUSING OFFICE/SELF HELP STORE.	SF	4,116	103.84	427
SUPPORTING FACILITIES	LS	-	-	34
SUBTOTAL.	-	-	-	461
CONTINGENCY (5%).	-	-	-	23
TOTAL CONTRACT COST	-	-	-	484
SUPERVISION, INSPECTION & OVERHEAD (6%) .	-	-	-	29
TOTAL REQUEST	-	-	-	513

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a Family Housing Office and self-help store at Pacific Missile Test Center, Point Mugu, California. A new housing office will include space for a briefing room, offices, storage of self-help materials and maintenance rooms. Demolition of the inadequate storage building will also be accomplished. This project will impose no dislocation of sevices during the actual construction process.

11. REQUIREMENT: A family housing office which is efficiently designed to provide the best support services to military families in the Point Mugu, California area. (Current mission.)

CURRENT SITUATION: The existing housing office which is over 35 years old and inadequate to meet the requirements of an administrative office and ancillary space. There is little privacy for incoming military members and their families. Meetings, conferences and self-help training is often held in the open office area space. There is no safe and secure space for computer equipment, storage of equipment and office/janitorial supplies. The parking areas are inadequate and at times, flood. The existing building provides one-half of the office space required to adequately meet the requirements of the family housing staff and their costomers.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

PACIFIC MISSILE TEST CENTER
POINT MUGU, CA

4. PROJECT TITLE	5. PROJECT NUMBER
HOUSING OFFICE	HC-01-87

PACIFIC MISSILE TEST CENTER, POINT MUGU, CA (Continued)

IMPACT IF NOT PROVIDED: The mission of PMTC is to perform development test and evaluation, development support, and follow-on engineering, logistics, and training support for naval weapons, weapons systems, and related devices, and to provide major range, technical, and base support for fleet users and other Department of Defense and government agencies.

In addition, PMTC serves an effective instrument of United States foreign policy by initiating and continuing action programs which promote positive relations between the command and foreign nationals, and which assist individual naval personnel and their families to work effectively, live with dignity and satisfaction, and function as positive representatives of the Navy and the United States.

The Point Mugu Family Housing Office is one of the first points of contact for military members and their families upon assignment to this high tech command. At PMTC military members and their families first impressions of this high tech installation will demise upon viewing this old worn out building. Studies have demonstrated that the condition of shore support facilities impacts retention. Housing office personnel will continue to work in crowded stress related conditions impacting their attitudes and service to military families.

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

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3 INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AMPHIBIOUS BASE LITTLE CREEK, NORFOLK, VA		0.91

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	1075	9916	405	144	1048		57	429		13074
b. END FY 19 93	1084	10532	426	186	1320		57	429		14034

7. INVENTORY DATA ($000)	
a. TOTAL ACREAGE	11,807
b. INVENTORY TOTAL AS OF 30 SEP 1988	53,007
c. AUTHORIZATION NOT YET IN INVENTORY	372
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	53,379

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Office	4,000 SF	372.0	4/89	7/90

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years None

10. Mission or Major Functions: Provide training facilities, logistical support, and administrative support for Amphibious units and other specialized units within the Fleet. The base is one of four activities within the Norfolk Naval Complex.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE LITTLE CREEK, VA	HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-30	HC-02-88	372

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOUSING OFFICE	SF	4,000	80.96	324
SUPPORTING FACILITIES	LS	-	-	10
SUBTOTAL	-	-	-	334
CONTINGENCY (5%)	-	-	-	17
TOTAL CONTRACT COST	-	-	-	351
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	21
TOTAL REQUEST	-	-	-	372

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a housing office building on concrete slab with brick/masonry walls and shingled roof, complete with utilities. Building includes space for offices, conference room, reception/waiting room, child play area, central file room, and administrative storage space. Construction to include fire alarm, sprinkler system, parking, roads, sidewalks, landscaping and central air conditioning.

11. REQUIREMENT: An adequate housing office is required to support the military personnel and their families located in the Tidewater Naval Base Norfolk area. (Current mission.)

CURRENT SITUATION: The existing housing office, built in 1947, is a converted home located adjacent to the main base entrance, Gate 5. The office spaces used for housing and housing referral services are extremely overcrowded. Parking at the building is severely limited with no land available for expansion. The building is scheduled to be demolished to make way for expansion of the Naval Base pass office building.

IMPACT IF NOT PROVIDED: Housing management and referral services will continue to be provided under overcrowded and adverse conditions. In addition, upon construction of the new Pass Office, the present facility must be vacated. There will be no housing office to service the needs of military personnel and their families in the Tidewater Naval Base Norfolk area.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AMPHIBIOUS BASE
LITTLE CREEK, NORFOLK, VA

4. PROJECT TITLE	5. PROJECT NUMBER
HOUSING OFFICE	HC-02-88

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, NORFOLK, VA (Continued)

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

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3 INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
PUBLIC WORKS CENTER NORFOLK, VA		0.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	9034	79344	26537	865	5246		609	3483		125118
b. END FY 19 93	9115	75201	26836	1018	5306		631	3792		121899

7. INVENTORY DATA ($000)		
a. TOTAL ACREAGE	168	
b. INVENTORY TOTAL AS OF 30 SEP 1988		215,644
c. AUTHORIZATION NOT YET IN INVENTORY		332
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		834
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		216,810

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Community Center	5,000 SF	417.0	4/89	7/90
711	Family Housing Community Center	5,000 SF	417.0	4/89	7/90

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years None

10. Mission or Major Functions: PWC Norfolk provides public works, utilities, family housing, transportation support, engineering services, shore faciilities planning support, and all other logistic support of a publics works nature for operating forces in the Sewells Point Complex.

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

S/N 0102 LF-001 3901

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUBLIC WORKS CENTER NORFOLK, VA	COMMUNITY CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-32	H-20-84	417

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNITY CENTER	SF	5,000	67.16	336
SUPPORTING FACILITIES	LS	-	-	38
SUBTOTAL	-	-	-	374
CONTINGENCY (5%)	-	-	-	19
TOTAL CONTRACT COST	-	-	-	393
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	24
TOTAL REQUEST	-	-	-	417

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project constructs a one story building on concrete slab with insulation, brick veneer, metal roof deck with built-up roofing over rigid insulation, heating, air conditioning, fire alarm and telephone systems.

11. REQUIREMENT: This project will construct a 5,000 square foot Community Center. The Carper Housing area is comprised of 576 four bedroom and 24 five five bedroom townhouse units providing housing for enlisted rates, E-4 and above. There are approximately 3,600 occupants of which 2,400 are young people. Carper is a high density housing complex not located near any other military activity or base and is several miles from the nearest military support facilities. It is completely surrounded by civilian community housing, apartments, and subdivisions. This housing complex desperately needs a community center to accommodate the social, cultural, and physical activities of its residents. (Current mission.)

CURRENT SITUATION: No community center exists in the Carper Housing area. Access to the few civilian facilities in the vicinity by the Carper youth is frustrated by the lack of public transportation. A serious safety hazard for pedestrian traffic exists because the perimeter roadway servicing the complex is heavily traverled and has no sidewalks.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
PUBLIC WORKS CENTER
NORFOLK, VA

4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNITY CENTER	HC-20-84

PUBLIC WORKS CENTER, NORFOLK, VA (Continued)

IMPACT IF NOT PROVIDED: An adequate community center will not be available to the residents of this housing complex. Occupant frustration and sense of isolation will continue to grow. The already existing high rate of theft, vandalism and associated problems can be expected to increase resulting in a lower quality of life for our Navy tenants.

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

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUBLIC WORKS CENTER NORFOLK, VA	COMMUNITY CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-32	H-50-79	417

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNITY CENTER	SF	5,000	67.16	336
SUPPORTING FACILITIES & DEMOLITION	LS	-	-	38
SUBTOTAL	-	-	-	374
CONTINGENCY (5%)	-	-	-	19
TOTAL CONTRACT COST	-	-	-	393
SUPERVISION, INSPECTION & OVERHEAD (6%)	-	-	-	24
TOTAL REQUEST	-	-	-	417

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction consists of demolition, site preparation, foundation, interior and exterior walls, heating, air conditioning, electrical, built-up roofing, plumbing, lighting, sidewalks and parking.

11. REQUIREMENT: This project will demolish an existing old warehouse and construct a 5,000 square foot Community Center. The South Annex of the Naval Base Complex is comprised of aproximately 4,850 personnel and dependents and does not have an adequate community center which will meet Navy fire and sanitary standards. (Current mission.)

CURRENT SITUATION: A converted warehouse is presently being used as a community center and cannot meet the needs generated by the South Annex Complex. The overall condition of the building is totally inadequate. The building does not meet current fire and sanitary standards.

IMPACT IF NOT PROVIDE: The South Annex Complexes will continue to lack facilities to support community social and recreational functions. This will continue to have an adverse effect of the moral and welfare of Navy housing occupants.

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

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3 INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL AIR STATION BERMUDA, WEST INDIES		1.61

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88	75	885	182				138	505		1785
b. END FY 19 93	78	950	182				184	627		2021

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 1,459	
b. INVENTORY TOTAL AS OF 30 SEP 1988	34,857
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	378
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	35,235

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Office	2,300 SF	378.0	5/89	7/90

9. Future Projects:

a. Included in following program (FY92) None
b. Major planned next three years None

10. Mission or Major Functions: Maintain and operate facilities; provide services and materials to support aviation operations and operating forces from other activities and units; and provide emergency services to ships and aircraft in the South Atlantic.

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S/N 0102 LF-001 3901

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION BERMUDA, WEST INDIES	HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-30	HC-10-88	378

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOUSING OFFICE.	SF	2,300	141.68	326
SUPPORTING FACILITIES	LS	-	-	12
SUBTOTAL.	-	-	-	338
CONTINGENCY (5%).	-	-	-	17
TOTAL CONTRACT COST	-	-	-	355
SUPERVISION, INSPECTION & OVERHEAD (6.5%) .	-	-	-	23
TOTAL REQUEST	-	-	-	378

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Single story structure with slab on grade, complete with Bermuda style roof suitable for water catchment. The facility will require all utilities including air conditioning, a fire protection and detection system, parking access road, sidewalks, landscaping and site lighting.

11. REQUIREMENT: Adequate facility to provide professional housing services to the military families stationed at NAS Bermuda. The office not only assigns military quarters, but seves as a housing referral office. (Current mission.)

CURRENT SITUATION: The housing office is operated out of the basement of a 40 year old transient air crew barracks. It is contained in 685 square feet of space, which barely affords enough room to talk to one person, let alone a family. This is one of the first impressions a family has of life in housing at NAS Bermuda. Housing maintenance is performed by contract and requires lots of communication between the housing office and the occupants. If more than one person needs to be addressed, for example during the recent massive hurricane repairs, an alternate conference area must be used. All administrative functions from inspection of the housing maintenance contract to housing referral are performed at this office. There are approximately 1,500 families serviced by this office per year.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION		
NAVAL AIR STATION BERMUDA, WEST INDIES		
4. PROJECT TITLE		5. PROJECT NUMBER
HOUSING OFFICE		HC-10-88

NAVAL AIR STATION, BERMUDA, WEST INDIES (Continued)

IMPACT IF NOT PROVIDED: The Housing Office will continue to provide limited services to military families housed at NAS Bermuda out of the basement of the transient squadron barracks. This will inhibit the ability of the Housing Office to provide a positive first impression of life in Bermuda, and adversely impact on morale.

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

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
CONSTRUCTION IMPROVEMENTS

(In Thousands)

FY 1991 Program $42,420
FY 1990 Program $41,748

Purpose and Scope

This program provides for alterations, additions, expansions, or extensions to existing public quarters which will materially increase the useful life and livability of the units improved at a minimum of capital investment; includes energy conservation investments which meet energy savings criteria.

Program Summary

Authorization is requested for:

(1) Various improvements to existing family housing; and

(2) Appropriation of $42,420,000 to fund these improvements.

We are maintaining our emphasis on larger, wholehouse projects, which will accomplish all required improvements and repairs at one time. Execution of prior year programs has been essentially completed.

Exhibit FH-6

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES	FAMILY HOUSING IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	VARIES	$42,420

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING - ALTERATIONS, ADDITIONS AND REHABILITATIONS	L/S	--	--	42,420
TOTAL REQUEST				42,420

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Alterations and modernization of kitchens and baths; improvements to heating and cooling systems; provision of storage and utility rooms; interior rearrangements; provision of additional bathrooms, closets and family room; provision of carports, patios, privacy screening and storage; provision of ceiling and wall insulation; provision of storm windows and doors; provision of landscaping, play areas.

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11. REQUIREMENT: The improvements will provide safe and decent living conditions for housing occupants, are considered significant in personnel retention and are consistent with good property management techniques.

IMPACT IF NOT PROVIDED: Units and supporting systems will continue to be used "as is" with increasing obsolescence and unnecessary high energy use.

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

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL 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
INSIDE THE UNITED STATES	
ALASKA	
NS Adak Improvements to 82 enlisted units. Provides for blown insulation into the attic spaces, partitioning of the garage and laundry areas to obtain a more secure storage area, installation of a fire life safety window in each master bedroom, bathroom vanities, tub enclosures, exhaust fans, ground fault interrupter receptacles, new medicine cabinets, energy efficient lighting, weatherstripping on exterior doors and setback thermostats. Includes installation of weather alcoves, gutters and downspouts, additional off-street parking and construction of dumpster pads.	2,911.3
CALIFORNIA	
MCB Camp Pendleton Improvements to 1,176 officer and enlisted units. Provides for galvanized metal gutters, downspouts, and splash pads at front and rear entrances.	962.0
MCB Camp Pendleton Improvements to 170 enlisted units. Provides for new kitchen cabinets, patio enclosures, fire protection and reconfiguration of the kitchen and dining areas. Includes an additional $6,309K of concurrent repairs. (See separate DD Form 1391.)	851.0
NS Long Beach Improvements to 100 officer and enlisted units. Provides for screen doors, dishwashers, cabinets in utility rooms, hot water heaters, bathroom vanities and exhaust fans. Includes gutters and downspouts, splash blocks, water diverters, patio covers, and a concrete walkway between utility rooms, garages and backyards. Includes an additional $5,750.7K of current repairs (See Separate DD Form 1391.)	1,013.8

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL 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
INSIDE THE UNITED STATES	
NS Mare Island Improvements to 211 officer and enlisted units. Provides for installation of dishwashers, fluorescent lighting and additional ground fault interrupter outlets.	321.7
NPGS Monterey Improvements to 278 officer units. Provides for installation of bathroom vanities.	241.0
PWC San Diego Improvements to 217 enlisted units, Phase II. Provides for dishwashers and kitchen cabinets.	431.3
PWC San Diego Improvements to 32 officer and enlisted units. Provides for exhaust fans, additional electrical outlets in kitchens and bathrooms, energy efficient interior light fixtures, and ductwork insulation. Includes an additional $2,086.5K of concurrent repairs. (See Separate DD Form 1391.)	84.7
PWC San Francisco Improvements to 560 officer and enlisted units. Provides for privacy fencing and garbage enclosures.	1,615.7
PWC San Francisco Improvements to 260 officer and enlisted units. Provides for privacy fencing.	614.1
PWC San Francisco Improvements to 30 enlisted units. Provides for construction of carports, patio slabs and privacy fencing.	505.8
MCAS Tustin Improvements to 861 enlisted units. Provides for the installation of a six foot high block wall sound/environmental barrier.	148.0

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

FLORIDA	
NCSC Panama City Improvements to 65 officer and enlisted units. Provides for installation of rear doors (including hardware), front and rear storm doors, radiant heat barrier window film, and construction of concrete patios and privacy screen.	103.0
PWC Pensacola Improvements to two officer units. Provides for construction of concrete swales to divert excess water overflow away from carports into the drainage system.	10.6
PWC Pensacola Improvements to two officer units. Provides for additional bathrooms including electrical, plumbing, and insulation work.	21.5
GEORGIA	
MCAS Albany Improvements to 270 officer and enlisted units. Phase II. Provides for installation of blown-in insulation.	281.0
ILLINOIS	
PWC Great Lakes Improvements to 178 enlisted units, Phase I. Provides for finished basements, central air conditioning, garages, wired smoke detectors, suspended ceilings in all units except single family units, relocation of electrical outlets in kitchens and dining rooms, ceiling light fixtures in bedrooms, ground fault interrupter receptacles, patios, storage sheds, privacy fencing and additional shrubbery. Includes an additional $3,654.0K of concurrent repairs. (See Separate DD Form 1391.)	7,799.5

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

MASSACHUSETTS

DODFHF Westover — 541.7

Improvements to 124 officer and enlisted units. Provides for additional security lighting at front and rear entrances, wooden privacy screen between units, enclosures for refuse containers, skylight covering, extension of entrance landings, column supports at rear entrance canopies, gutters and downspouts at rear entrances, transparent cover for basement window wells, insulation in basement ceilings and additional kitchen cabinets in 80 units. Includes bathroom exhaust fans and light fixtures, interior light fixtures at top of stairwells, and ground fault interrupter receptacles.

MISSOURI

MCFC Kansas City — 190.0

Improvements to 240 officer and enlisted units. Provides for construction of sidewalks.

NEVADA

NAS Fallon — 10.0

Improvements to one installation commander quarters. Provides for conversion of a sunroom into a bathroom, additional kitchen cabinets and electrical outlets. Converts present utility room into a storage room. Includes an additional $64.5K concurrent repairs. (See Separate DD Form 1391.)

NEW YORK

NS New York — 4,525.9

Improvements to 191 officer and enlisted units, Phase I. Provides for ground fault interrupter receptacles, central air conditioning, hot water heaters, non-slip stair treads, exterior mailboxes with locks, vinyl shutters, vestibules, wired smoke detectors, lighting in crawl spaces, frost free hose bibbs at rear of each unit, dishwashers, and exhaust fans. Includes resilient surfacing around playground equipment, additional playground equipment, shrubbery, screening and pads for dumpsters.

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

NORTH CAROLINA

MCB Camp Lejeune — 780.0

Improvements to 187 mobile home spaces. Provides for enlarging patios, construction of carports and storage buildings.

MCB Camp Lejeune — 409.0

Improvements to 435 Capehart units at MCAS New River. Provides for installation of built-in dishwashers and garbage disposals. Includes an additional $16,473 of concurrent repairs. (See separate DD 1391.)

PENNSYLVANIA

NS Philadelphia — 3,807.8

Improvements to 200 enlisted housing units, Phase I. Provides for wooden hand rails and safety treads on interior stairs, wrought iron railing on exterior stairs, bathroom vanities and exhaust fans, ductwork insulation, ground fault interrupter receptacles, additional receptacles, vinyl window shutters, entrance canopies, garbage can enclosures, and cable television outlets.

NADC Warminster — 29.3

Improvements to four enlisted units. Provides for additional electrical receptacles, interior storage space, exterior storage sheds, insulation on ductwork and receptacles, heater covers for spark ignition and humidifier.

RHODE ISLAND

NETC Newport — 1,491.9

Improvements to 102 officer and enlisted units. Provides for dishwashers, garbage disposals, bathroom exhaust fans, concrete patios, privacy fencing, additional electrical receptacles, conversion of carports to garages, and additional shrubbery.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL 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
INSIDE THE UNITED STATES	
SOUTH CAROLINA	
MCAS Beaufort	625.0
Improvements to 333 officer and enlisted housing units. This project will be the third and final phase of an effort to renovate 1,100 units. The project will provide for range hood extinguishing systems. Includes an additional $8,300K for concurrent repairs. (See separate DD Form 1391.)	
TENNESSEE	
NAS Memphis	39.7
Improvements to 486 enlisted units. Provides for widening two streets and installation of nine speed breakers.	
VIRGINIA	
PWC Norfolk	192.1
Improvements to 225 enlisted units. Provides for improved exterior door and window locks.	
PWC Norfolk	431.3
Improvements to 609 enlisted units. Provides for landscaping including shade trees, flowering trees, and shrubbery.	
PWC Norfolk	188.9
Improvements to 257 enlisted units. Provides for improved exterior door and window locks, relocation of porch lights and installation of house numbers.	
PWC Norfolk	54.0
Improvements to 114 enlisted units. Provides for landscaping to include shade trees, flowering trees, and shrubbery.	

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL 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
INSIDE THE UNITED STATES	
PWC Norfolk Improvements to 72 officer units. Provides for installation of fire walls with 2" x 4" wooden studs and 5/8" fire resistant sheet in attic areas.	64.8
NSGA Northwest Improvements to 51 officer and enlisted units. Provides for dishwashers, bathroom vanities, utility room shelves, and kitchen fluorescent lighting fixtures.	92.3
WASHINGTON	
NSB Bangor Improvements to 100 enlisted units. Provides for installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, new windows, combination storm/screen doors and improved kitchen and bathroom lighting. Includes improvements to carports, sidewalks, steps, guardrails, carport grading, exterior lighting, access roads and retaining walls. Includes an additional $4,296.6K of concurrent repairs. (See Separate DD Form 1391.)	1,771.0

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL 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
OUTSIDE THE UNITED STATES	
ICELAND	
NAS Keflavik Improvements to 224 officer and enlisted units. Provides for sealing a total of 480 slab openings in ceilings with noncombustible sealing material to correct a serious fire hazard.	1,142.3
NAS Keflavik Improvements to 132 officer and enlisted units. Provides for sealing a total of 264 slab openings in ceilings with noncombustible sealing material to correct a serious fire hazard.	963.7
JAPAN	
MCAS Iawkuni Improvements to 44 officer and enlisted units. Provides for carpeting with cushion in all family housing living spaces with the exception of the kitchen and bathrooms. Required for sound reduction in midrise (6 story) building that has a high density living level.	254.0
MARIANAS ISLAND	
PWC Guam Improvements to 53 officer and enlisted units, phase II. Provides for gutters with downspouts, dishwashers, range hoods, garbage disposals, additional kitchen cabinets, carports with storage and driveway, trash enclosures, patios, concrete privacy dividers, and protective coverings for air conditioners.	3,024.4

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL 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
OUTSIDE THE UNITED STATES	
PUERTO RICO	
NS Roosevelt Roads Improvements to 32 enlisted units. Provides for removal of existing window air conditioners, installation of central air conditioners, ductwork, refrigerant tubing and piping, controls and related appurtenances, construction of road between existing housing buildings, and one carport for each unit. Includes an additional $1,067.9K of concurrent repairs. (See Separate DD Form 1391.)	872.8
SPAIN	
NS Rota Improvements to 162 officer and enlisted units, Phase II. Provides for kitchen and bathroom ceramic wall tile finishes, kitchen base and wall cabinets, range exhaust hoods, bathroom accessories, fixtures, and fluorescent light fixtures in the kitchen and laundry rooms. Includes construction of linen closets, installation of closet doors and shelves, and relocation of electric range power outlets. Includes an additional $3,020.0K of concurrent repairs. (See Separate DD Form 1391.)	3,002.1

1 COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
MARINE CORPS		June 1989

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
Marine Corps Base Camp Pendleton CA	Whole House Improvements/Repairs Wire Mountain II

5. PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
	711-30	PE-H-187-R2/ PE-H-138-M2	$7,130.0

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Improvements	EA	170	$5,006	$ 851.0
Concurrent Repairs and Maintenance	EA	170	$37,112	$6,309.0
TOTAL PROJECT COST (ROUNDED)				$7,130.0
Area Cost Factor = 1.21				

10 DESCRIPTION OF PROPOSED CONSTRUCTION

DESCRIPTION: The work will consist of installing new cabinets, patio enclosures, and reconfiguring the dining and kitchen areas. Repairs will consist of correcting landscape deficiencies; replacing fencing, windows, doors, and screens; replastering; reinsulating; refinishing bathrooms and laundry rooms; replacing plumbing, and lighting; rewiring; repairing walls; interior/exterior painting, and installing a fire protection system.

PURPOSE: This project will provide major repairs to 170 units at Wire Mountain III.

REQUIREMENT: This is required to prevent further deterioration and enhance the living condition of these units.

CURRENT SITUATION: Wire Mountain III was constructed in 1964. It now requires repairs/improvements to prevent further deterioration.

IMPACT IF NOT PROVIDED: Failure to provide necessary repairs will result in further deterioration. Failure to provide improvements will cause occupants to live in units whose configuration is substandard to current day design.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION LONG BEACH, CA	IMPROVEMENTS/REPAIRS TO 100 OFFICER AND ENLISTED UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-25	HC-2-84 PHASE II	$6,764.5

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	100	10,138	1,013.8
CONCURRENT REPAIRS AND MAINTENANCE	EA	100	57,507	5,750.7
	EA	100	67,645	6,764.5
TOTAL REQUEST				6,764.5
Area Cost Factor = 1.19				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide all needed repairs and improvements for 100 officer and enlisted San Pedro family housing units.

11. REQUIREMENTS: IMPROVEMENTS: install gutters, downspouts, splash blocks, and water diverter; install patio cover; provide concrete walk between utility room/garage/backyard; extend patio (two units only); install screen doors; close-off pocket doors; construct pass-thru between kitchen and dining area; install dishwasher; install cabinets in utility room; enclose hot water heater; install new bathroom vanity; install bathroom exhaust fans. CONCURRENT REPAIRS: sandblast and color coat exterior stucco; repair and paint exterior trim; replace front, utility room, sliding glass, garage, and garage service doors; replace exterior outlet with GFCI; replace exterior lights; replace hose bibs and water service valve; complete interior paint-out; replace cove base; replace interior door hardware; replace ceiling insulation; replace kitchen cabinets, stove, range hood, sink, plumbing fixtures, shut-off valves, and lights; repair bath shower pan; replace water closets, faucets, angle stops, valves, and connectors; replace medicine cabinets, mirrors, lights, and vanity; replace outlet with GFCI; replace shower curtain rod, cold water line insulation, and bathroom accessories; repair forced air heating unit; replace thermostats; replace duplex outlet and switches; install GFCI in kitchen; replace electrical service panel and breakers; replace smoke detectors; replace interior lights; remove and replace asbestos ductwork.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION
LONG BEACH CA

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	HC-2-84 PHASE II

CURRENT SITUATION: Units are without gutters, downspouts, or splash blocks; patios are without covers which prevents their year-round use; though used as a walkway, there is no walk between utility room/garage/backyard, which results in mud/dirt being tracked into the unit; units are without screen doors so units are prone to pest infiltration; pocket doors are not used and need to be secured; kitchen configuration is not functional and needs to be modified by installation of a pass-thru and counter with additional storage space; utility rooms have no storage cabinets; units do not have dishwashers; one bathroom does not have a vanity and neither bath has exhaust fans. Exterior stucco is deteriorated, partly resulting from the grading problem; doors, original to the unit, have exceeded their useful life; exterior outlets are not GFCI; exterior lights require replacement and will be changed to fluorescent; VAT is pitted, scored, and mismatched and needs to be replaced; cove base (to be removed to allow for flooring work) will need replacement; ceiling insulation no longer possesses its original thermodynamic properties; metal kitchen cabinets are rusting, mis-aligned, dented, and chipped; stove, range hood, sink plumbing fixtures, shut-off valves, and lights need replacement due to age as well as their being displaced during kitchen work; bath shower pans leak and have caused structural damage to surrounding shower enclosure; water closets, faucets, angle stops, valves and connectors are original and need replacement; medicine cabinets and mirrors are original and suffer from rusting and the existing vanity (only in one bath) shows signs of age and wear and would be inconsistent with new fixtures being installed; the original forced air unit (FAU) is not energy efficient and requires a sufficient amount of repair work to warrant its replacement vice repair; thermostats will need to be replaced in conjunction with FAU replacement; duplex outlets and switches are the victim of twenty-five years of constant use and require replacement; electrical service panel and breakers need some modification to make them safer; smoke detectors (battery operated), which must be removed to accomplish other work, need to be replaced with hard-wired detectors; interior lights are original incandescent fixtures (not energy efficient) and replacements are difficult to find; ductwork contains asbestos which must be replaced.

IMPACT IF NOT PROVIDED: Units will still be considered undesirable due to the lack of amenities expected by occupants of Navy housing. The investment required for these repairs and improvements will result in more useable, functional units and increase occupant satisfaction, while preserving the Navy's investment in these assets.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER SAN DIEGO, CA	WHOLEHOUSE REPAIRS/IMPROVEMENTS 32 OFFICER AND ENLISTED UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-40	HC-27-86 HR-15-86	$2,171.2

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	32	2,647	84.7
CONCURRENT REPAIRS AND MAINTENANCE	EA	32	65,203	2,086.5
	EA	32	67,850	2,171.2
TOTAL REQUEST				2,171.2
Area Cost Factor = 1.19				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses wholehouse repairs and improvements to 32 officer and enlisted family housing units at Naval Air Station, North Island.

11. REQUIREMENTS: Renovate aged housing units to correct deficiencies and improve quality of life amenities similar to other units. Scope includes redesign of kitchen and bathrooms, replacement of deteriorated electrical wiring system, expansion of heating system, safety handrails, and walkway gates to correct safety hazards. Improvements include tile waincots at tub enclosures, exhaust fans, additional electrical outlets/circuits at kitchen and bath areas to handle appliance loads. Energy efficient interior light fixtures, ductwork insulation and dampers are proposed as energy conservation measures. Concurrent repairs include removal and replacement of windows, bathroom plumbing fixtures and cabinetry, resilient flooring, dry rot damage at exterior eaves and replacement of interior wiring. Repairs and painting of interior wall/ceiling finishes, exterior wood repairs, and colorcoating and painting of stucco and exterior wood will extend life of structure. Redesign of kitchen requires relocation of existing electrical and plumbing fixtures; and replacement of kitchen cabinets/hardware to enhance use and correct safety hazards.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVY PUBLIC WORKS CENTER SAN DIEGO, CA	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	HC-27-86 HR-15-86

CURRENT SITUATION: Habitability of the housing units is impaired by poorly designed kitchens and bathroom areas. Kitchen/laundry room lighting is inadequate, cabinet and storage areas are insufficient and current layout prevents efficient use of countertops and appliances. Electrical convenience outlets are missing at bathroom locations and existing outlets do not meet current code requirements. The units were constructed in 1933 (2 units were constructed 1940) and the original interior wiring system is both degraded and lacks adequate insulation to prevent potential fire hazards. Lack of electrical circuits typically results in frequent resetting of remote circuit breakers at basement level panels. Occupants must in some cases enter basements through steep exterior stairwells which lack handrails and slip resistant treads. Existing bathroom plumbing fixtures and kitchen cabinets are deteriorated and require increased maintenance expenditures. Kitchen areas possess badly worn resilient flooring/base which is distinguished by cuts, cracking and missing sections. Rolled bases and discontinued patterns prevent repair to existing flooring without obvious aesthetic discontinuity. Occupants often depend on dangerous portable heaters for comfort. Repairs at exterior finishes have been partially accomplished by routine maintenance, however, exposure to moisture and the elements has increased the rate of stucco deterioration. Numerous areas of stucco cracking and spalling are evident which subjects other building components to damage. Lack of water diverters, flashing and closure strips have resulted in the deteriorating of wooden eaves and structural substrate. Painting and proper sealing is required to prevent extensive dry rot and reduce future maintenance expenditures.

IMPACT IF NOT PROVIDED: Further deterioration of exterior finishes will expose additional building components to damage from the elements. The electrical system will continue to provide marginal service with increased maintenance and risk of fire. Occupant dissatisfaction will continue and have a negative impact on the use and enjoyment of their assigned quarters. As a result of existing safety hazards, the possibility of personal injury and damage to the quarters and contents will persist.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER GREAT LAKES, IL	WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 178 ENLISTED UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711	HC-1-86 PHASE I	$11,453.5

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	178	43,817	7,799.5
CONCURRENT REPAIRS AND MAINTENANCE	EA	178	20,528	3,654.0
	EA	178	64,345	11,453.5
TOTAL REQUEST				11,453.5
Area Cost Factor = 1.09				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses wholehouse improvements and repairs to 178 enlisted housing units in Halsey Village. Improvements: Provides for finished basements, wired smoke detectors, new suspended ceiling, (in all units), except single family units, central air conditioning, ceiling light fixtures in bedrooms, electrical outlets in bedrooms, ceiling light and outlets in basements, ground fault interrupter electrical receptacles, new garages, patios, storage sheds, privacy fencing, and additional plants. Repairs: Include weatherstripping of all exterior doors, replacement of windows, storm doors, roofing, soffits, roof vents, attic insulation over bedroom and bathroom ceilings, ductwork, ceiling in basement, tubs, tub enclosures, closet doors, tot lots, and replacement of curbs and gutters, and sidewalk.

11. REQUIREMENT: Wholehouse improvements and repairs to improve the living conditions and quality of life of 178 enlisted families at Halsey Village.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER
GREAT LAKES, IL

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	HC-1-86 PHASE II

CURRENT SITUATION: Improvements: Existing smoke detectors are battery operated, they require monitoring for proper operation, weak, dead, or missing batteries. The cathedral type ceiling wastes energy and causes stratification of heated air between the first and second floors. The outlet in the kitchen and dining area partition is improperly located causing extension cords to be used. There is no central air conditioning which other units have. The light fixture in bedroom does not provide adequate lighting for the bedroom or closet. Electric outlets in bedrooms are inadequate in number and location. Light fixtures in kitchens are inadequate and ineffective. Lighting level is not uniform due to the slope of the ceiling, the higher fixture bulb cannot be changed without a ladder. The wall bracket fixture is ineffective and not usable because the location causes a glare. Basements are unfinished, no floor, wall or ceiling finishes are provided. The basement walls are not insulated. Basement electrical wall outlets and fixtures are inadequate in number and location. Ground fault interrupter electrical receptacles are not provided in accordance with the National Electrical Code. Carports or parking stalls provide inadequate protection for severe climatic conditions in this area, the carports are at the end of their useful life and are outdated, they require reroofing and repairs, they do not provide secure or concealed spaces for storage. 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. Repairs: Weatherstripping for exterior doors are either worn, missing, damaged ineffectively or incorrectly installed. Windows are old, difficult to operate, poorly weatherstripped, permit excessive air infiltration, and do not have thermal-break in the aluminum frame. Storm doors are of poor quality and near the end of their useful life, some are damaged and ill-fitting due to their poor quality and heavy usage. Soffits and fascia boards are damaged, loose, and deteriorated. Soffit vents are inadequate in size and clogged with dirt and paint, no other attic ventilation is provided. 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 properly located and runs below the floor slab, water is infiltrating, and it requires cleaning which is not possible because of its location. Ceiling in basement under the bathroom is damaged due to water leaks and maintenance work. Existing tubs and enclosures are a continual maintenance problem, refinishing of the tubs has not worked, water leaking from the tub edge, drain overflow and ceramic tile has been a constant problem, the repairs have produced an unsightly appearance. The metal closet doors are a constant maintenance problem. Tot lots are in poor condition. Curbs, gutters, and sidewalks are cracked and broken.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVY PUBLIC WORKS CENTER GREAT LAKES, IL	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	HC-1-86 PHASE I

IMPACT IF NOT PROVIDED: Smoke detector may not operate when needed. Energy will continue to be wasted and the heat will continue to stratify if the ceilings are not lowered. Extension cords will continue to be used if the outlets are not located properly. Window air conditioning units will continue to be used or units will be uncomfortable without them. Some areas of the units will not be well lighted. Basements will continue to be under utilized. A fatal shock may occur without the ground fault interrupter receptacles. Cars and other personal items will be stored outside and not be protected from the weather. The outdoor living spaces will not be attractive nor desired by occupants. If windows and doors are not replaced they will continue to deteriorate, have increasing maintenance costs, and waste more energy. The roofing will continue to deteriorate. Without additional insulation in the attic the units will continue to waste energy and the occupants will not be comfortable. The bathrooms will continue to have high maintenance costs and look unsightly. Children will not have a safe place to play. The curbs, gutters, and sidewalks will continue to deteriorate. This will impact morale.

1 COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
MARINE CORPS		Aug 1989

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
Marine Corps Base Camp Lejeune, NC	Whole House Improvements/ Repairs

5 PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
	711-85/25/25	LE-H-902-M2 LE-H-902/903-R2	$16,882.0

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Improvements	EA	435	$ 837	$ 409.0
Concurrent Repairs and Maintenance	EA	435	$37,869	$16,473.0
TOTAL PROJECT COST (ROUNDED)				$16,882.0
Area Cost Factor = 0.92				

10 DESCRIPTION OF PROPOSED CONSTRUCTION

DESCRIPTION: The work will consist of demolishing the entire interior and exterior base. It will provide new electrical wiring, gypsum wall board, plumbing fixtures, ceramic tile, ductwork, wall and ceiling insulation, new doors and trim, floor tile, kitchen cabinets and countertops, fire protection improvements and landscaping.

PURPOSE: Provides whole house repairs to 435 Capehart units.

REQUIREMENT: The quarters are required to provide housing for active duty military personnel and their dependents assigned to MCAS New River. Repairs will include architectural, mechanical, and electrical upgrading to improve the quality of life for military families.

CURRENT SITUATION: These units, constructed in 1958 are in need of renovations to bring the units up to modern day standards. Wiring is not up to code, and plumbing is showing signs of age, wear and tear. There are numerous safety hazards connected with these units.

IMPACT IF NOT PROVIDED: Military families will continued to live in quarters that are deteriorating,causing increased maintenance costs.

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION FALLON, NV	IMPROVEMENTS/REPAIRS TO ONE INSTALLATION COMMANDER QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711	HC-01-85	$ 74.5

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	1	10,000	10.0
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	64,500	64.5
	EA		74,500	74.5
TOTAL REQUEST				74.5
Area Cost Factor = 1.00				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Improvements and repairs to one installation commander quarters. Provides for additional kitchen cabinets, electrical outlets, conversion of a sunroom into a bathroom, conversion of the present utility room into a storage room. Repairs include replacement of the heating system, water heater, sprinkler system, and exterior window replacement. Repairs to sewer and leach field will also be completed.

11. REQUIREMENT: Improve quality of life amenities for the Installation Commander of NAS Fallon and complete the needed repairs as stated above.

CURRENT SITUATION: Improvements: The utility room is poorly located and provides little room to work on furnace or water heater. Interior storage is very limited resulting in some of the occupant's personal property is being stored in the garage. The kitchen has limited storage capacity. For additional space, occupants normally use closets to store dishes and appliances. The dining room and parts of the entertainment area have no electrical outlets. Electrical power for these areas is provided by use of extension cords. Repairs: Existing heating system is inadequate to heat entire unit. Heat is not ducted into one bedroom and the family room. Furnace is old and in deteriorated condition. Ductwork is rusted and leaking.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL AIR STATION FALLON, NV	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	HC-01-85

One leach field is located in a flood irrigated pasture which is lower than the lawn area. Irrigation gets into leach lines and renders them inoperable. Existing windows are single pane wood frame units which are in poor condition, do not fit properly and create significant energy loss. Electric water heat is old and very expensive to operate.

IMPACT IF NOT PROVIDED: High utility costs will continue. The health and safety of the military family occupying the unit is in jeopardy from backup of raw sewage if the system is not replaced. Occupant inconvenience will be exacerbated due to insufficient kitchen cabinets, lack of electrical outlets and the absence of privacy afforded by a powder room. Personal property will continue to be stored under unsuitable conditions in the garage.

1 COMPONENT	FY 19__9 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
MARINE CORPS		June 1989

3 INSTALLATION AND LOCATION	4 PROJECT TITLE
Marine Corps Air Station Beaufort SC	Whole House Improvements/ Repairs, Phase II

5. PROGRAM ELEMENT	6 CATEGORY CODE	7 PROJECT NUMBER	8 PROJECT COST ($000)
	711-25/26/27	BE-H-001-M2 BE-H-001-R2	$8,925.0

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Family Housing Improvements	EA	333	$ 1,877	$ 625.0
Concurrent Repairs and Maintenance	EA	333	$24,925	$8,300.0
TOTAL PROJECT COST (ROUNDED)				$8,925.0
Area Cost Factor = 0.93				

10 DESCRIPTION OF PROPOSED CONSTRUCTION

DESCRIPTION: The work will consist of demolishing the entire interior and providing new electrical wiring, gypsum wall board, plumbing fixtures, ceramic tile, ductwork, wall and ceiling insulation, new doors and trim, floor tile, kitchen cabinets and countertops, fire protection improvements and landscaping.

PURPOSE: Provides completion renovation of the interior to 333 housing units.

REQUIREMENT: The quarters are required to provide housing for active duty military personnel and their dependents who are assigned to MCAS Beaufort, MCRD Parris Island and Naval Hospital Beaufort.

CURRENT SITUATION: Units are approximately 30 years old and are suffering from settlement cracks, wiring is not up to code, and plumbing is showing signs of age, wear and tear. There are numerous safety hazards connected with these units.

IMPACT IF NOT PROVIDED: Continued deterioration causing increased maintenance costs.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, BANGOR BREMERTON, WASHINGTON	IMPROVEMENTS/REPAIRS TO 100 ENL. UNITS & OTHER REAL PROPERTY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711	HC-02-85 PHASE II	$6,067.6

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	100	17,710	1,771.0
CONCURRENT REPAIRS AND MAINTENANCE	EA	100	42,966	4,296.6
	EA	100	60,676	6,067.6
TOTAL REQUEST				6,067.6
Area Cost Factor = 1.14				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project consists of wholehouse repairs and improvements to 60 two bedroom single level enlisted family housing units and detached carports and 40 four bedroom townhouse style enlisted family housing units and detached carports at Jackson Park, FY-70 construction, and other real property repairs and improvements to the entire FY-70 construction area of 200 units. Included are improvements to kitchens and bathrooms, installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, combination storm/screen doors, bedroom and closet lighting, improved kitchen and bathroom lighting and lowering bathroom ceilings. Concurrent repairs include replacement of wood and vinyl cove base molding, bathroom accessories, range hoods, kitchen and bathroom exhaust fans, stair treads and risers (in four BR units), front entries, carports, exterior storage areas, garbage can storage areas, sliding, privacy fences and replacement of windows, sliding glass and patio doors, reroofing quarters and carports and installation of gutters and downspouts on carports and outside storage areas. Other real property improvements, which will include the entire FY-70 construction area of 200 units, include providing additional off street parking, steps on steep walkways, sidewalks as needed, grading and paving on sides of carports and installation of retaining walls where needed. Other real property repairs in the same are a include repaving the roads, repair of sidewalks damaged by tree roots, replacement of parking bumpers where necessary, and relocation of catch basins.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, BANGOR
BREMERTON, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	HC-02-85 PHASE II

11. REQUIREMENT: Wholehouse architectural, plumbing and electrical improvements and repairs are required to meet current standards and to decrease maintenance and energy costs.

CURRENT SITUATION: Solid core entry doors, exposed to the elements since construction, show severe weathering. Adequate cross-ventilation in warm weather is nearly impossible, as storm/screen doors are not currently provided. Single glazed windows and patio doors are not energy efficient and do not operate freely in their present state.

The 12 foot high bathroom ceilings cannot be cleaned by residents and the 7 foot high exhaust fans cannot ventilate the high area sufficiently. The lack of sufficient ventilation creates excessive moisture and mildew buildup on the bathroom ceilings which increases maintenance. Moisture buildup is also a problem under the roof, because these townhouse units have cathedral ceilings, contain no attic and were constructed without through-roof ventilation.

Because no bedroom lighting is provided, residents are obligated to provide more than the usual amount of table lamps to light these rooms. Further, this phase of construction was built in a heavily wooded area which tends to filter out much of the natural light.

Kitchens are small and inconvenient. The finish on range hoods installed in 1970 shows the effects of abrasive cleanser and have become dented over the years. This phase of construction at Jackson Park contains neither dishwashers nor garbage disposals. Kitchen cabinets and countertops are chipped and stained.

Hardwood parquet flooring in living areas, in most cases, is becoming too thin to be further sanded, and 9 inch vinyl floor tiles can no longer be matched. The floor tile also has unsightly cracks and gaps caused by settling of the buildings. The cove base molding and trim shows wear and tear. These units currently have one full bathroom. Existing formica lavatory vanity shelving is chipped and stained. Medicine cabinet interiors are rusted. Fiberglass tubs have hairline cracks and, in some cases, are chipped and stained. Most bathroom and kitchen exhaust fan bearings are worn causing excessive noise. Floor plan in main bath is a poor use of space and is inconvenient and cumbersome for the occupants.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL SUBMARINE BASE, BANGOR BREMERTON, WASHINGTON	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	HC-02-85 PHASE II

Decking and rails have become weathered, and dryrot is pervasive. Plywood canopy shrouds over upstairs bedroom windows also show signs of dryrot and are extremely weathered. These canopies will be removed rather than repaired to allow more daylight into the rooms. The original construction did not provide for gutters and downspouts for detached carports or outside storage areas. Channeling water away from these buildings is a continual concern. A roof over the back patio with gutters and downspouts will keep blowing rain off the patio and storage area and will allow for better use and less maintenance. Numerous roofs are leaking and maintenance problems on the roofs continue to escalate.

Smoke detectors are battery operated. There is no energy efficient lighting.

Lack of pedestrian walkways promotes cutting access landscaped areas creating unsightly erosion. Grassy areas against the sides of carports are difficult to maintain and promote pest infestation, and the narrow strips of grass serve no purpose. 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 locations and catch basins are poorly located in the middle of pathways. Roads are in need of repaving throughout the area. Rockery and retaining walls are needed in areas too steep to mow. These steep areas are constant eyesores and sources of erosion.

IMPACT IF NOT PROVIDED: These are the only units at Jackson Park without dishwashers and garbage disposals. Without improvements and concurrent repairs 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. Roofs will continue to leak and cause damage to occupants personal property, and the need for unsightly tarps on leaky roofs will increase. Lack of improvements and repairs on the other real property in the FY-70 area of construction (200 units) will escalate erosion, promote accidents and increase unsightliness of the area. Occupant dissatisfaction and demoralization will continue and in all likelihood escalate.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION ROOSEVELT ROADS, PR	WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 32 ENLISTED UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711	HC-2/3-88	$1,940.7

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	32	27,275	872.8
CONCURRENT REPAIRS AND MAINTENANCE	EA	32	33,372	1,067.9
	EA	32	60,647	1,940.7
TOTAL REQUEST				1,940.7
Area Cost Factor = 1.16				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide improvements and repairs to 32 Algodones Apartments. This includes the installation of central air conditioning, the construction of carports (one per unit) and an access road between existing Algodones Apartments.

11. REQUIREMENT: Improve the living conditions at Algodones Apartments.

CURRENT SITUATION: Currently air conditioning is provided by individual window mounted units which are inefficient. Most of these air conditioning units are highly deteriorated and beyond economical repair. These occupants do not have carports to protect their privately owned vehicles from inclement tropical weather conditions nor is there an access road to divert traffic away from the units.

IMPACT IF NOT PROVIDED: Lack of a proper air conditioning system, carports, and access roads at the Algodones Apartments exposes military personnel and their dependents to poor habitability conditions which lowers morale and results in an adverse impact on the mission of the Naval Station and the Navy Personnel Retention Program.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PUBLIC WORKS CENTER, ROTA, SPAIN	WHOLESITE IMPROVEMENT/REPAIR TO 162 OFFICER AND ENLISTED UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711	HC-01-85 PHASE II	$6,022.1

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	162	18,531	3,002.1
CONCURRENT REPAIRS AND MAINTENANCE	EA	162	18,642	3,020.0
	EA	162	37,173	6,022.1
TOTAL REQUEST				6,002.1
Area Cost Factor = 0.80				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project is phase II of III phases. Project encompasses wholehouse improvements and repairs to 162 officer and enlisted housing units in the "OLDBASE" housing area. Improvements: provides for kitchen and bathroom ceramic wall tile finishes, kitchen base and wall cabinets, range exhaust hoods, bathroom accessories, fixtures, and fluonescent light fixtures in the kitchen and laundry rooms. Includes construction of linen closets, installation of closet doors and shelves, and relocation of electric range power outlets. Repairs: Include replacement of existing deteriorated, unlevel quarry and cork tile floors withcarpeting and ceramic tile. Replacement of interior doors and hardware. Replacement of furnaces and installation of ductwork will also be completed.

11. REQUIREMENT: Wholehouse Improvements and repairs to improve the living conditions and quality of life of 162 officer and enlisted families.

CURRENT SITUATION: The existing quarry tile floors are old and deteriorated. Various tiles are cracked and worn, and some have sunken and do not match the color of existing tiles. The floors are also stained from gradual buildup of polishing wax and dirt.
The existing cork floor tiles are worn past their protective coatings and are stained and dirty. The tiles ahve been damaged, scratched and indented because of the cork's soft composition. The cork is also very difficult to maintain.
The existing interior doors are the original doors with hardware that is out of current production. The sliding closet door hanging hardware has

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3: INSTALLATION AND LOCATION	
PUBLIC WORKS CENTER, ROTA, SPAIN	
4. PROJECT TITLE	**5. PROJECT NUMBER**
IMPROVEMENTS	HC-01-85 PHASE II

failed and is now sliding directly on the floor tracks. The closets also have a mildew problem that is asociated with poor ventilation of the closed areas.

The existing furnaces have reached their economic life and are now expected to fail at undetermined times. Dependability is greatly reduced and increased maintenance costs can be expected. The furnaces generate a high level of noise and also pose a safety risk due to the emssion of noxious fumes and fire. The fuel lines are also deteriorated and leak causing an unacceptable risk to life and property.

Impact If Not Provided: The floor shall continue to deteriorate and further increase maintenance costs. The doors shall continue to be unsuitable for use and require extensive hardware repairs/replacement. The property damaged due to mildew shall contunue unabated. The furnaces shall continue to be replaced piecemeal as they breakdown or as scheduled maintenance dictates. The hot water heaters shall contunue to run uneconomically and prevent proper use of the service bedroom's bathroom shower.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
ARCHITECTURAL AND ENGINEERING SERVICES
AND CONSTRUCTION DESIGN

In Thousands

A&E SERVICES/DESIGN

FY 1990 Program $3,100
FY 1991 Program $6,200

Purpose and Scope

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

Program Summary

The amount requested, together with prior year savings, will enable full execution of the construction program. Authorization is requested for appropriation of $6,200,000 to fund new construction and improvement design requirements.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES	ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
VARIES	VARIES	VARIES	$6,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A&E SERVICES & CONSTRUCTION DESIGN		--	--	6,200
NEW CONSTRUCTION	L/S	--	--	(1,855)
IMPROVEMENTS	L/S	--	--	(4,345)
TOTAL REQUEST				6,200

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Funds to be utilized under 10 USC 2807 for architectural and engineering services and construction design in connection with military family housing new construction and construction improvement projects. Evaluation of turnkey design and engineering investigations, such as field surveys and foundation explorations, will be undertaken as necessary.

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11. REQUIREMENT: VARIES

All projects in a military family housing 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, turnkey evaluation, and construction design are not included in the construction project cost estimates.

IMPACT IF NOT PROVIDED: FY 1991, FY 1992 and FY 1993 project execution schedules cannot be met.

SUPPORT

DEPARTMENT OF THE NAVY
FAMILY HOUSING - 1991 BUDGET ESTIMATE
OPERATION AND MAINTENANCE

($000)

FY 1991 Program 677,627
FY 1990 Program 599,921

Purpose and Scope

a. Operation. This portion of the program provides for expenses in the following sub-accounts:

Management. Includes 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. All 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.

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 services for common areas, snow removal. and street cleaning.

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.

Miscellaneous. Includes work or services peformed for the benefit of family housing occupants, including mobile home hook-ups and disconnections, for which reimbursement will be received; payments to the U. S. Coast Guard for Navy occupancy of Coast Guard housing; and United Kingdom accommodation charges.

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

c. Maintenance. This portion of the program supports the upkeep of family housing real property, as follows:

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

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

Alterations and Additions. Includes minor incidental improvements to dwellings or other real property performed under the authority of 10 USC 2805. Larger scope or higher dollar value items are funded in the construction program.

Program Summary

Authorization is requested for an appropriation of $665,527,000. This amount, together with estimated reimbursements of $12,100,000 will fund the Fiscal Year 1991 program of $667,627,000.

A summary of the funding program for Fiscal Year 1991 follows (in thousands):

	Appropriation Request					
	Operations	Utilities	Maintenance	Total	Reimbursements	Total Program
Navy	$ 96,112	145,449	306,237	547,798	10,400	558,198
Marine Corps	$ 17,768	35,161	64,800	117,729	1,700	119,429
Total DON	$113,880	180,610	371,037	665,527	12,100	667,627

JUSTIFICATION:

The Department of Navy family housing budget requests the minimum essential resources needed to provide military families with adequate housing either through the private community or in government quarters. Navy and Marine Corps installations are generally located in the high cost, coastal areas. Accordingly, the overinflated cost of adequate housing in these areas causes many of our military families to reside in facilities that lack even the minimal amenities expected in a home. Therefore, increased emphasis is being placed on the proper funding of the family housing Operations and Maintenance program.

The Fiscal Year 1991 estimated program was formulated utilizing the Office of Management and Budget's published inflationary factors and foreign currency exchange rates.

SUMMARY
DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
OPERATION AND MAINTENANCE

(Excludes Leased Units and Costs)

	FY 1990 Enacted	FY 1991 Estimate
A. Workload Data		
1. Inventory Data		
Average Inventory for Year		
Requiring O&M Funding:		
a. Conterminous U.S.	78,663	80,528
b. U.S. Overseas	5,981	5,981
c. Foreign	7,865	8,020
d. Worldwide	92,509	94,529

	FY 1990 Enacted		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements				
1. Operations				
a. Management	51,018	551	53,306	564
b. Services	35,367	382	37,140	393
c. Furnishings	18,688	202	22,609	239
d. Miscellaneous	787	9	825	9
Subtotal - Operations	105,860	1,144	113,880	1,205
2. Utilities	176,096	1,904	180,610	1,911
3. Maintenance				
a. Maint. & Repair of Dwellings	250,781	2,711	313,713	3,319
b. Maint. & Repair of Other Real Property	41,313	447	47,533	503
c. Alts. & Addns.	7,954	86	9,791	104
Subtotal - Maintenance	300,048	3,243	371,037	3,925
4. Total, O&M Expenses (TOA)	582,004	6,291	665,527	7,040
5. Appropriation	582,004	6,291	665,527	7,040
6. Reimbursements	11,917	129	12,093	128
7. Total Program	593,921	6,420	677,620	7,168

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
OPERATION AND MAINTENANCE
NAVY

(Excludes Leased Units and Costs)

	FY 1990 Enacted	FY 1991 Estimate
A. Workload Data		
1. Inventory Data		
Average Inventory for Year		
Requiring O&M Funding:		
a. Conterminous U.S.	57,165	58,530
b. U.S. Overseas	5,981	5,981
c. Foreign	7,409	7,551
d. Worldwide	70,555	72,062

	FY 1990 Enacted		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements				
1. Operations				
a. Management	43,106	611	45,184	627
b. Services	28,263	401	29,796	413
c. Furnishings	16,360	232	20,307	282
d. Miscellaneous	787	11	825	11
Subtotal - Operations	88,516	1,255	96,112	1,334
2. Utilities	140,633	1,993	145,449	2,018
3. Maintenance				
a. Maint. & Repair of Dwellings	206,313	2,924	256,080	3,554
b. Maint. & Repair of Other Real Property	34,799	493	41,166	571
c. Alts. & Addns.	7,454	106	8,991	125
Subtotal - Maintenance	248,566	3,523	306,237	4,250
4. Total, O&M Expenses (TOA)	477,715	6,771	547,798	7,602
5. Appropriation	477,715	6,771	547,798	7,602
6. Reimbursements	10,267	146	10,393	144
7. Total Program	487,982	6,916	558,191	7,746

DEPARTMENT OF THE NAVY

OPERATION AND MAINTENANCE
MARINE CORPS

(Excludes Leased Units and Costs)

	FY 1990 Estimate	FY 1991 Estimate
A. Workload Data		
1. Inventory Data		
Average Inventory for Year		
Requiring O&M Funding:		
a. Continental U.S.	21,498	21,998
b. U.S. Overseas	0	0
c. Foreign	456	469
d. Worldwide	21,954	22,467

	FY 1990 Enacted		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements				
1. Operations				
a. Management	7,912	360	8,122	362
b. Services	7,104	324	7,344	327
c. Furnishings	2,328	106	2,302	102
d. Miscellaneous	0	0	0	0
Subtotal - Operations	17,344	790	17,768	791
2. Utilities	35,463	1,615	35,161	1,565
3. Maintenance				
a. Maint & Repair of Dwellings	44,468	2,026	57,633	2,565
b. Maint & Repair of Other Real Property	6,514	297	6,367	283
c. Alterations and Additions	500	23	800	36
Subtotal - Maintenance	51,482	2,345	64,800	2,884
4. Total, O&M Expenses (TOA)	104,289	4,750	117,729	5,240
5. Appropriation	104,289	4,750	117,729	5,240
6. Reimbursements	1,650	75	1,700	76
7. Total Program	105,939	4,825	119,429	5,316

NOTE: UNIT COSTS MAY NOT ADD DUE TO ROUNDING.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - 1991 BUDGET ESTIMATE
JUSTIFICATION
NAVY

OPERATING EXPENSES

FY 1990	FY 1991
$88,516,000	$96,112,000

The FY 1991 estimated program represents the Navy Family Housing requirements using Office of Management and Budget inflation factors and foreign currency exchange rates. Reconciliation of estimates is provided for each program element as follows:

MANAGEMENT

FY 1990	FY 1991
$43,106,000	$45,184,000

Requirements and adjustments as follows:

	($M)
FY 1989 Actual	38.0
Civilian personnel compensation	.9
Price increases	1.0
ADP procurement	.6
Implementation of Relocation Assistance program	2.1
Enhancement of Housing Referral Service	.5
FY 1990 Estimate	43.1
Civilian personnel compensation	.9
Price increase	.5
Foreign Currency Repricing	.7
FY 1991 Estimate	45.2

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT. Funding adjustments are proposed in the Family Housing Management Account for pay supplemental increases, and management of programs to acquire additional housing assets.

SERVICES

FY 1990	FY 1991
$28,263,000	$29,796,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	25.5
Annualized Foreign National Indirect hire pay increase	.1
New units on line	.9
Indirect support for fire and police	.9
Price increases	.9
FY 1990 Estimate	28.3
Price increases	.8
Indirect support for fire and police	.5
New units coming on line	.2
FY 1991 Estimate	29.8

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT. The services account proposes an increase using approved inflationary factors. Program increases are cost associated with providing fire and police protection, pest control, street cleaning, snow removal and refuse collection, and new units coming on line.

FURNISHINGS

FY 1990	FY 1991
$16,360,000	$20,307,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	14.0
Civilian personnel compensation	.1
Price increase	.3
Equipment for 538 Units provided by GOJ	.9
Expanded overseas loaner furnishings	1.1
FY 1990 Estimate	16.4
Price increases	.6
Expanded overseas loaner furnishings program	3.9
Purchase of Equipment for 177 GOJ units	.3
Program decrease for GOJ 538 units	(.9)
FY 1991 Estimate	20.3

RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT. The proposed FY 1991 Furnishings Account Program increases include costs associated with the expanded overseas loaner furniture program which is designed to upgrade the overseas furnishings program, and will allow Navy families residing overseas the basic amenities found in U.S. homes and which are already provided by the Army and Air Force. The Navy relies primarily on the local community for housing Navy families. Local community homes outside the U.S. generally lack adequate stoves, refrigerators, kitchen cabinets, closets, and heating systems. This program will allow for the procurement of stoves, refrigerators, and portable heaters wired for foreign electrical standards, as well as portable wardrobes and 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 expanded furnishings program will allow for replacement of furniture loaned to families arriving in overseas locations while their household goods are in transit (normal shipping time ranges from 3-6 months.) Much of the furniture the Navy owns was purchased or acquired as war surplus during the early 1940's and has exceeded its useful life. The Army and Air Force have replaced most of their loaner furniture that was in a similar condition.

MISCELLANEOUS

FY 1990	FY 1991
$787,000	$825,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	.4
U.K. accommodations charge for 102 family housing units received from RAF At Hendon, England	.1
Land lease charge, Harold E. Holt	.1
Reimbursement for 95 Coast Guard units at Otis AFB	.2
FY 1990 Estimate	.8
FY 1991 Estimate	.8

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT. No program or price changes required in FY 1991.

UTILITIES

Requirements and adjustments are as follows:

FY 1990	FY 1991
$140,633,000	$145,449,000

	($M)
FY 1989 Actual	134.7
New units coming on line	2.2
Price increases	3.7
FY 1990 Estimate	140.6
Price increase	2.6
Utilities for new units coming on line	2.2
FY 1991 Estimate	145.4

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT. The utilities account proposes an increase for industrial rate adjustments and price increases. Program increases are for costs associated with providing electricity, heat, water, and sewage for newly acquired or constructed units. The Navy Family Housing Program continues to stress energy conservation through public information campaigns and execution of cost effective energy conservation improvement projects.

MAINTENANCE EXPENSES

FY 1990	FY 1991
$248,566,000	$306,237,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	204.9
Price increases	7.1
Reduce the backlog of maintenance and repair	33.8
Radon abatement repairs	2.8
FY 1990 Estimate	248.6
Price increases	8.6
Reduce the backlog of maintenance and repair	49.0
FY 1991 Estimate	306.2

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT. Program increases in FY 1991 are for costs associated with reducing the backlog of deferred maintenance in family housing units. Repair funds have been grossly underfunded since FY 1984 and in spite of that, repair projects scheduled for execution have been deferred to offset the reductions taken in the operations and utilities accounts. Deterioration of family housing assets

has continued unabated. Mandatory maintenance such as roof repairs, replacement of worn out HVAC systems and electrical and plumbing lines, can no longer be deferred. Additional increases are for maintaining the present level of occupant service calls, change of occupancy rehabilitation, routine maintenance, painting, and for expanded preventive maintenance programs. We are continuing the repair phase of mitigating high concentrations of RADON gas detected in family housing units. The maintenance account also reflects $1.798M for quarters cleaning of 8,176 units overseas at an avarage cost of $220 per unit.

REIMBURSABLE AUTHORITY

FY 1990	FY 1991
$10,267,000	$10,400,000

	($M)
FY 1989 Actual	7.2
Price increase	.2
Revised estimate of collections	2.9
FY 1990 Estimate	10.3
Price increase	.1
FY 1991 Estimate	10.4

RATIONALE FOR CHANGES IN THE REIMBURSABLE ACCOUNT. The reimbursable account reflects an increase for involuntary collections for damages to government quarters

MARINE CORPS
JUSTIFICATION

OPERATING EXPENSES

FY 1990	FY 1991
$17,344,000	$17,768,000

The FY 1991 estimated program represents the Marine Corps family housing requirements using Office of Management and Budget inflation factors and foreign currency exchange rates.

A reconciliation of estimates is provided for each program element as follows:

MANAGEMENT

FY 1990	FY 1991
$7,912,000	$8,122,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actuals	7.6
Increased staffing for new units on line	.3
FY 1990 Estimate	7.9
Program increase for new units on line	.1
Civilian pay compensation	.1
FY 1991 Estimate	8.1

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT: 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.

SERVICES

FY 1990	FY 1991
$7,104,000	$7,344,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	6.7
Projected audit cost savings	(.2)
Civilian personnel compensation	.3
Price increase	.3
FY 1990 Estimate	7.1
Civilian personnel compensation	.1
Price increase for indirect support costs for new units on line	.1
FY 1991 Estimate	7.3

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT: The amount budgeted will allow for the provision of services to all family housing units to include newly acquired units and any expected price increases.

FURNISHINGS

FY 1990	FY 1991
$2,328,000	$2,302,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	2.1
Foreign currency fluctuation	.2
Projected audit cost savings	(.2)
Program increase	.2
FY 1990 Estimate	2.3
New units on line	.1
New foreign currency exchange	(.1)
FY 1991 Estimate	2.3

RATIONALE FOR CHANGES TO THE FURNISHINGS ACCOUNT: The Furnishings account request reflects a program decrease based on the acquisition of new units and for replacement 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.

UTILITIES

FY 1990	FY 1991
$35,463,000	$35,161,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actual	32.2
New units on line	1.1
Program increase	.9
Foreign currency fluctuation	.2
Price increases	.7
Allowable inflation	.4
FY 1990 Estimate	35.5
Price increase	.3
New units on line	.9
Program decrease for reduced energy consumption	(1.3)
New foreign currency exchange	(.2)
FY 1991 Estimate	35.2

RATIONALE FOR CHANGES TO THE UTILITIES ACCOUNT: Family housing utilities are priced by known rates or, in accordance with OSD/OMB pricing guidance. Energy conservation is stressed. Program increases are for costs associated with providing electricity, heat, water, and sewage for newly acquired units from the FY89 rehab program and constructed units in the FY88 program. The level of funding requested will provide the support required to include the increase of units to the existing inventory.

MAINTENANCE EXPENSES

FY 1990	FY 1991
$51,482,000	$64,800,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actuals	54.2
Program decrease	(2.1)
Projected audit cost savings	(.4)
Congressional action for contract cleaning	(.2)
FY 1990 Estimate	51.5
Program increase for reduction of maintenance repair and escalating backlog	9.5
Purchase inflation	2.9
Program increase for new units	.6
Civilian personnel compensation	.2
Price increase	.3
New foreign currency exchange	(.2)
FY 1991 Estimate	64.8

RATIONALE FOR CHANGES TO THE MAINTENANCE ACCOUNT: The Maintenance account provides for recurring maintenance consisting of service calls for emergency and temporary repairs, routine and preventive maintenance, change of occupancy maintenance, interior and exterior painting, maintenance of exterior utilities, and maintenance of other real property, such as grounds, roads, and community buildings. The account also provides for major repairs that will restore the facility to such condition that it may be effectively used for its designated purpose. This includes the replacement of parts or materials which have deteriorated and have not been corrected through maintenance. The request includes Phase III of a major rehabilitation project at MCAS Beaufort, South Carolina.

The FY 1989 Actuals include $310.2 thousand for quarters cleaning of 2,120 at an average of $146 per unit. The FY 1990 Estimate includes $255.3 thousand for the cleaning of 1,990 units at an average of $128 per unit. The FY 1991 program includes $59,000 for contract cleaning of 268 units at MCAS Iwakuni JA at an average of $220 per unit.

The FY 1991 requirements have been developed using historical data for recurring maintenance and for major repair projects identified for the FY 1990 program. The projected deferred maintenance will remain at a high level after the proposed FY 1990 funding has been executed. The deferred maintenance level will continue to increase if the major repair program is not increased. If this trend continues, progress made in the past years to improve the quality of life for our military families will be negated.

REIMBURSEMENTS

FY 1990	FY 1991
$1,650,000	$1,700,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Actuals	1.0
Increased collections for mobile home units	.5
Price increase	.2
FY 1990 Estimate	1.7
FY 1991 Estimate	1.7

RATIONALE FOR CHANGES TO THE REIMBURSABLE ACCOUNT: The FY 1991 estimate reflects a level program.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	
4. PROJECT TITLE	**5. PROJECT NUMBER**
GENERAL AND FLAG OFFICERS QUARTERS	

DEPARTMENT OF THE NAVY
FY 1991 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ'S)
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 GFOQ's where the maintenance and repair obligations in FY 1991 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 and 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, and 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.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
INSIDE THE UNITED STATES							
CALIFORNIA							
NPGS Monterey	A Lake Drive	900	3,900	68,000	(0)	72,800	0

Operations consist of management, services and furnishings. Maintenance and repairs include routine maintenance and major rehabilitation project. The completion of the work proposed within the rehabilitation scope will remove existing asbestos insulation and contaminated soil. The antiquated steam heat system will be replaced with a gas fired heating system including boiler, pumps, piping, wiring and controls.

PWC San Diego	A, NASNI	3,000	6,200	35,500	(0)	44,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy work, minor repairs, and partial interior painting. Major repairs include replacing deteriorated kitchen cabinets, counter tops, and range hood and correcting inefficient electrical service.

PWC San Diego	A, NSC	2,400	5,200	70,500	(0)	78,100	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy work, and major repair. Work will include replacement of windows and frames; painting of wood window trim; replacement of basement doors and curbs; and replacement of front and rear wood porch decks.

PWC San Diego	D NTS	1,900	4,900	55,900	(0)	62,700	0

Operations consist of management, services, and furnishing. Maintenance and repairs include routine maintenance, change of occupancy work, grounds and major repair. Major repair includes exterior repairs, wet sandblasting, stucco color coating surfaces and painting trim.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
			INSIDE THE UNITED STATES				
PWC San Francisco	1 Whiting Way	2,500	4,100	29,000	(0)	35,600	0

Operations consist of management, services, and furnishings (carpet cleaning). Maintenance and repairs include routine maintenance. Budget includes, within the M&R dwelling category, $23,000 for repair of the quarters and surface preparation and complete exterior painting which was last accomplished in 1983. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasted surfaces will receive sanding, a primer coat, and two finish coats of exterior paint. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

PWC San Francisco	2 Whiting Way	1,500	4,200	28,000	(0)	33,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1984. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasted surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $23,800. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

DISTRICT OF COLUMBIA							
NAVDISTWASH	B, WNY	11,400	6,900	358,200	(249,400)	376,500	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
INSIDE THE UNITED STATES							

Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

NAVDISTWASH	D, WNY	8,600	4,200	387,700	(175,000)	400,500	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

NAVDISTWASH	E, WNY	6,600	5,200	451,500	(248,000)	463,300	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
INSIDE THE UNITED STATES							
NAVDISTWASH	N, WNY	5,300	3,200	265,000	(120,000)	273,500	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

NAVDISTWASH	V, WNY	7,500	5,800	419,600	(266,900)	432,900	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and a one-time major structural, mechanical, and electrical rehabilitation of these quarters situated in the historic district of the Washington Navy Yard. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes and will update obsolete and inefficient mechanical and electrical systems. Completion of the work will reduce the Government's operation and maintenance cost, and permit continued safe, cost effective occupancy of the quarters for another fifty years without a similar major rehabilitation project.

FLORIDA							
NAS Jacksonville	A	1,500	3,400	53,700	(0)	58,600	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major repairs to the quarters that will replace all windows and install vinyl siding to prevent damage to wood and additional exterior painting.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
INSIDE THE UNITED STATES							
NAS Jacksonville	D	1,500	2,300	43,900	(0)	47,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major repairs to the quarters that will replace all windows and install vinyl siding to prevent damage to wood and additional exterior painting.

PWC Pensacola	A	1,800	8,400	40,000	(20,400)	50,200	0

Operations consist of management, services, and furnishings. Maintenance and repairs include service calls, routine maintenance, maintenance for surface preparation, repair of rotten wood and complete exterior painting of the quarters.

PWC Pensacola	4	5,300	7,500	25,900	(1,000)	38,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy maintenance and repairs. Change of occupancy maintenance will include interior painting, and floor refinishing. Major repairs to be accomplished during change of occupancy are repairs to two baths which include replacing the lavatory, bathtub and shower liner, removing masonite wall covering, installing ceramic wall tile, and replacing flooring.

ILLINOIS

PWC Great Lakes	A	2,800	9,400	35,500	(28,400)	47,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include service calls, routine maintenance, and change of occupancy maintenance. Change of occupancy maintenance includes electrical, plumbing, and heating system repairs, repairs to plaster walls and ceilings, complete painting of the interior, and carpentry repairs.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
				INSIDE THE UNITED STATES			
LOUISIANA							
NAVSUPPACT New Orleans	A 101 Carmick	1,700	6,500	45,500	(0)	53,700	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1982. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $40,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

NAVSUPPACT New Orleans	C 104 Constitution	1,700	4,800	39,400	(0)	45,900	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1979. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $36,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

NAVSUPPACT New Orleans	D 112 Constitution	2,000	5,000	45,500	(0)	52,500	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1984. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $36,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
INSIDE THE UNITED STATES							
NAVSUPPACT New Orleans	E 102 Constitution	2,000	6,200	48,600	(0)	56,800	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1979. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of $38,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.

MARYLAND

USNA Annapolis	1 Buchanan	10,000	19,400	62,800	(43,000)	92,200	0

This Special Command quarters, listed on the National Register of Historic Places, is the residence of the Superintendent, United States Naval Academy. Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance. Work will include the following: Repairs to walls and ceilings 1st, 3rd, and 4th floor bedrooms. Drywall over top of plaster which will eliminate a lead paint safety hazard. Replace molding and trim. Stripping of existing paint creates lead based hazardous waste and therefore not cost effective. Refinishing floors (5,160 sq ft). Repairs to doors, windows, and basement. Miscellaneous repairs to electrical system. Repair and store awnings, wash exterior windows, clean gutters and downspouts. Interior and exterior painting.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
OUTSIDE THE UNITED STATES							
JAPAN							
PWC Yokosuka	17 Halsey	1,600	8,800	40,600	(0)	51,000	0

Operations consist of management, services and furnishings. Maintenance and repairs will encompass repairs to the basement bath and water closet rooms of flag quarters for Commander U. S. Naval Forces Japan. Shower stalls, bathtubs, water closets, and lavatories are unsightly due to age. Mineral deposits have caused stains which cannot be cleaned. Medicine cabinets are are worn out and no longer serve purpose. Bath fixtures and accessories are corroded and floor coverings are chipped and hard from normal wear and tear. Walls are blistering and flaking. Entry doors, radiators and ceilings are deteriorated. Plumbing pipes are rusty, electrical wiring is inadequate, and lighting is dim.

PWC Yokosuka	18 Halsey	1,600	12,300	47,400	(0)	61,300	0

Operations consist of management, services, and furnishings. Maintenance and repairs will provide for the replacement of the steam heating system and water lines throughout the quarters. Heating system is almost 40 years old, inefficient, and in need of replacement due to deterioration. Repairs necessitated by numerous trouble calls have only served as temporary stop-gap measures. Water lines are calcified, causing low water pressure and discolored water that is both distasteful and a problem for acceptable laundry results.

MARIANAS							
PWC Guam	4 Flag Circle	7,800	7,100	43,800	(0)	58,700	0

Operations consist of management, services and furnishings. Maintenance and repairs will provide for roof replacement. Work will provide for the replacement of the asphalt shingles and felt, approximately 50% of the plywood roof sheathing and facia. Work includes painting, clean-up and debris disposal. Quarters No. 4 is a 43-year old, one-story building of conventional wood construction. The existing roofing system is deteriorated due to age and exposure to the adverse environment. The roof shingles are splitting and have dry rot beyond economical repairs. Rain water leaks through the roofing system causing substantial damage to the existing plywood roof deck.

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS
			OUTSIDE THE UNITED STATES				
UNITED KINGDOM							
COMNAVACT	Romany House	6,500	10,000	302,600	(0)	319,100	0

This is the residence of the Deputy Commander in Chief, United States Naval Forces Europe. Operations consist of management, services and furnishings. Maintenance and repairs will provide for accomplishment of a major repair project to repair and replace bathroom basins, commodes, baths and fittings; replace wall tiles; repair all cabinets; repair ceiling and wall cracks; plaster and paint throughout; repair and paint interior and exterior windows and wood frames; repair interior and exterior doors, locks, etc; repair by replacement of the heating and hot water system which is 25 years old; repair boiler room, paint oil tank and pipework and install oil catchment; make electrical repairs throughout. Other exterior work includes repairs to stucco, eaves, facia, soffits, roof and surface water drainage, gutters and fences.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
Marine Corps		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL AND FLAG OFFICERS QUARTERS	

STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	(HIST PRES)	TOTAL	IMPROVS
			INSIDE THE UNITED STATES				
CALIFORNIA							
MCLB BARSTOW	1	3,000	4,000	48,500	(0)	55,500	0

Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, service calls, and replacement of fencing.

DISTRICT OF COLUMBIA

Mar Bks, 8th & I (CMC House)	6	7,535	14,415	360,800	(300,800)	382,750	0

This is Phase II of a five year maintenance plan approved in 1987. The request includes the cost for Operations (management, services, and furnishings). Maintenance and repair includes routine recurring maintenance, interior painting, exterior painting, replacing boiler, refinishing interior wood trim, replacing cracked/decaying plaster walls, and replacing the cooling tower to the air conditioning.

Congress authorized $437,272 between 1987 and 1988 for the first phase of the five year maintenance plan. Phase I accomplished the most urgent heating, air conditioning and plumbing systems work as well as asbestos removal. Phase II will accomplish the remaining work essential for maintaining these quarters to an adequate standard.

VIRGINIA

MCCDC QUANTICO	12	5,000	3,800	86,255	(0)	95,055	0

Operations consists of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, and mechanical and electrical repairs to include: repair/replacement of plumbing, repair/replacement and upgrade of the electrical system, replacement of the heating system, replacement of windows, doors and trim, refinishing wood floors, and exterior painting and caulking.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
ALASKA		
NAS Adak	51,301	4,206.7
Repairs to 82 units to include: Replace kitchen countertops, sinks disposals, range hoods, flooring, bathroom exhaust fans, and switches, all interior doors and hardware, garage doors, window vent screens, siding, soffits, and electrical switches. Repair bathroom fixtures, accessories, minor tub and shower leaks, and repair/refinish kitchen cabinets. Concurrent improvements are proposed at a cost of $2,911,300 which include blown insulation into the attic spaces, partitioning of the garage and laundry areas to obtain a more secure storage area, installation of a fire life safety window in each master bedroom, bathroom vanities, tub enclosures, exhaust fans, ground fault interrupter receptacles, new medicine cabinets, energy efficient lighting, weatherstripping on exterior doors and setback thermostats. Includes installation of weather alcoves, gutters and downspouts, additional off-street parking and construction of dumpster pads.		
CALIFORNIA		
NAVSTA Long Beach	57,507	5,750.7
Repairs to 100 units to include: Replace garage doors, sliding glass, ground fault interrupter receptacles, exterior lights, hose bibs, vinyl tile, water service valve, interior doors, ceiling insulation, kitchen cabinets, stoves, range hoods, sinks, plumbing fixtures, shut off valves, shower curtain rods, cold water line insulation, smoke detectors, interior lights, water closets, faucets, angle stops, valves, medicine cabinets, mirrors, and lights. Repair stucco, bath shower fan, and exterior trim. Paint interior and exterior of units. Remove		

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NAVSTA Long Beach (Continued) asbestos. Concurrent improvements are proposed at a cost of $1,013,800 which include screen doors, dishwashers, cabinets in utility rooms, hot water heaters, bathroom vanities and exhaust fans. Includes gutters and downspouts, splash blocks, water diverters, patio covers, and a concrete walkway between utility rooms, garages and backyards.		
NAVPGSCOL Monterey Repairs to 13 units to include: Replace 65 year old steam heating system; remove asbestos pipe insulation, pipes, and heating tank insulation; encapsulate asbestos containing soil in crawl spaces with one and one-half inch of concrete.	46,124	599.4
PMTC Point Mugu Repairs to 50 units to include: Replace kitchen cabinets, sinks and counter tops, kitchen/utility room floors, medicine cabinets, lavatories, tubs, faucets, toilet seats, and furnace; repair/replace gutters and downspouts; replace interior plumbing and pipes, lighting fixtures and rewire. Concurrent improvements at a cost of $974,000 which include installing dishwashers, additional cabinets, bath exhaust fans and tub enclosures. Relocate furnace and hot water heater; install setback thermostats; redesign wall to improve ventilation; install GFI receptacles in kitchens and baths.	18,400	922.0
PWC San Diego Repairs to one installation commander quarters (A, NOSC): Replace windows; water piping and drainage system; kitchen and pantry cabinets; bathroom plumbing and vanities. Replace electrical power panel, new circuitry receptacles, fixtures and increase amperage.	84,100	84.1

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
PWC San Diego Repairs to one installation commander quarters (146 S. Sylvester): Includes repair by replacement of all exterior windows, repairs during change of occupancy, and interior painting.	28,000	28.0
PWC San Diego Repairs to 32 units to include: Replace windows and frames; kitchen cabinets; bath plumbing; fixtures and vanities; interior electrical wiring; and heating system registers. Repair exterior wood and refinish flooring; interior and exterior painting. Concurrent improvements are proposed at a cost of $84,700 which include exhaust fans; additional electrical outlets in kitchens and bathrooms, exterior gates; handrails and vent screens; ceramic tile wainscot in baths; energy efficient interior light fixtures; and ductwork insulation.	65,203	2,086.5
PWC San Francisco Repairs to one installation commander quarters (2 Whiting Way): Includes surface preparation and complete exterior painting of the quarters.	26,800	26.8
PWC San Francisco Repairs to one installation commander quarters (62 MaCalla): Maintenance and repair work which is scheduled during change of occupancy, exterior painting, refinishing hardwood floors, minor structural repairs, interior painting, and miscellaneous routine change of occupancy maintenance.	24,000	24.0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
CONNECTICUT		
NAVSUBASE New London Repairs to 40 units to include: Replace asphalt paving, windows, fascia, soffits, roofing, exterior doors, interior door hardware, kitchen cabinets, counter tops, sinks, fintube baseboard heat convectors, boilers, water heater, oil tank, and bathroom fixtures; hanging doors and laundry chutes; repair concrete retaining walls, closet shelves. Concurrent improvements at a cost of $256,000 are also proposed to include the provision of bathroom exhaust fans and vents, tub enclosures, dishwashers, ducted range hoods, additional wall receptacles, electric wired smoke detectors, court yards, play areas, and landscaping.	30,337	1,213.5
NAVSUBASE New London Repairs to 70 units to include: Replace asphalt paving, reset granite curbing and replace catch basin inlets with larger size; replace roadway drainage, concrete steps, signs and posts, replace flat roofs with pitched roofs and fiberglass shingles including maintenance free trim; replace windows, and crawl space vents; resurface walls and ceiling with new wallboard and vinyl base; replace shelves, exterior doors and frames, radiators with fintube convectors, bathtubs, lavatory, water closet, and hose bibs. Concurrent improvements are proposed at a cost of $382,000 to include the provision of additional parking spaces, dishwashers, garage disposals, range hoods, additional electric receptacles, lights in closets and electric wired smoke detectors.	22,200	1,553.6

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE	
	UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
NAVSUBASE New London Repairs to five unit to include: Replace wood windows, baseboard heat elements, boiler, oil tank, bathroom fixtures, water heater, electric service entrance and panel board, wall switchers and range hood. Four units require extensive roof repairs. Site repairs include resurfacing roads, replacing curbs, sidewalks and repairs to catch basins.	48,920	244.6
FLORIDA		
NAS Jacksonville Repairs to one installation commander quarters (Quarters K): Repair by installing vinyl siding and eaves and replacing all exterior windows.	33,100	33.1
NAS Jacksonville Repairs to 26 units to include: Repair wood window openings and replace windows with insulated thermal-glass windows and screens.	18,700	486.2
NAS Whiting Field Repairs to one installation commander quarters (Quarters A): Repair by installing vinyl siding and eaves and replacing all exterior jalousie windows with energy efficient aluminum double-paned windows.	35,300	35.3
ILLINOIS		
PWC Great Lakes Repairs to 178 units to include: Replace weatherstripping on all exterior doors, windows, storm doors, roofing, soffits, roof vents; add attic insulation over bedroom and bathroom ceilings; replace ductwork, piping, closet doors and, patch ceramic tile. Repair tot lot. Concurrent improvements are proposed at a cost of $7,799,500 which include finished basements,	20,528	3,654.0

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
PWC Great Lakes (Continued) central air conditioning, garages, wired smoke detectors, suspended ceilings in all units except single family units, relocation of electrical outlets in kitchens and dining rooms, ceiling light fixtures in bedrooms, ground fault interrupter receptacles, patios, storage sheds, privacy fencing and additional shrubbery.		
INDIANA		
NAVWPNSUPPCEN Crane Repairs to 31 units to include: Replace windows and storm doors; replace light fixture and control switch in kitchen, bedrooms and exhaust fan; replace bath receptacles and circuits and smoke detectors; replace gutters, downspouts, and porch attic vents; and repair roads.	22,619	701.2
LOUISIANA		
NSA New Orleans Repairs to one installation commander quarters (Quarters B): Repair by replacement of heating and air conditioning system, electrical wiring, water pipes, drain and supply lines, bathroom fixtures and exterior windows. Repair floor joists, three entrance doors, ceilings and refinish woodwork. Perform change of occupancy maintenance and interior painting.	128,800	128.8
MAINE		
NSGA Winter Harbor Repairs to 32 units to include: Replace exterior siding, roofing, chimneys, gutters and downspouts, windows, attic louvers, exterior doors and storm doors, concrete stoops, first floor girders and building sill; repair fire walls, resilient tile flooring, stair rails, interior wood doors, laundry room door, kitchen	72,519	2,320.6

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NSGA Winter Harbor (Continued) cabinets, counter tops, toilet and bath accessories, boilers, water heaters, second floor bath, first floor half bath lavatory and exhaust fan, electrical light fixtures, electrical panel boards and site drainage.		
NSGA Winter Harbor Repairs to 20 units to include: Replace walls, attic vents, kitchen cabinets, counter tops, flooring and sinks; first floor bath water closets, lavatory, second floor bath tub, tub enclosure, water closet, lavatory; electric service entrance cable; electric circuits and electric light fixtures.	22,920	458.4
MARYLAND		
NATC Patuxent River Repairs to 100 units to include: Repair roofs by installing gable roof with overhangs over existing steep sloped roofs; and install gutters and downspouts.	21,513	2,151.3
MASSACHUSETTS		
DOD Housing Westover (Managed by NAVSUBASE New London, Conn.) Repairs to 124 units to include: Replace gutters, fascia board behind gutter, repair other fascia boards; replace exterior siding, windows, exterior doors, replace basement stair hand rails; paint interiors; replace partition between dining area and hallway, furnace combustion air intake and dampers, electrical panel boards, boiler control circuit transformers; resurface driveways, and replace front entrance sidewalk. Concurrent improvements are proposed at a cost of $541,700 which include additional security lighting at front and rear entrances, wooden	23,736	2,943.2

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
DOD Housing Westover (Managed by NAVSUBASE New London, Conn.) (Continued) privacy screen between units, enclosures for refuse containers, skylight covering, extension of entrance landings, column supports at rear entrance canopies, gutters and downspouts at rear entrances, transparent cover for basement window wells, insulation in basement ceilings and additional kitchen cabinets in 80 units. Includes bathroom exhaust fans and light fixtures, interior light fixtures at top of stairwells, and ground fault interrupter receptacles.		
NAS South Weymouth Repairs to one installation commander quarters (Quarters A): Repair by replacement of boiler and thermostat, roof and metal flashing, and front steps; waterproof basement walls; provide additional electrical outlets in kitchen.	26,900	26.9
NAS South Weymouth Repairs to four units to include: Replace roofs, boiler piping and accessories, entrance concrete steps; repair foundation walls; remove deteriorated asbestos storm piping insulation and other asbestos insulation and replace with nonasbestos insulation.	18,125	72.5
NAS South Weymouth Repairs to 56 units to include: Replace drains piping in bathrooms, all exterior siding, trim, flashing, attic fire wall doors, insulation, boilers, pavement, sidewalks, perimeter fence, fire hydrants, sewage pumps and pump house; correct site drainage. Concurrent improvements are proposed at a cost of $163,000 to include the provision of ground fault interrupter electrical	27,500	1,537.4

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NAS South Weymouth (Continued) receptacles, dishwashers, bathroom vanities, entrance vestibules, light fixtures, dumpster enclosure, street and directional signs, and bus shelters.		
NEVADA		
NAS Fallon Repairs to one installation commander quarters (150 May Ranch): Replace gas forced air-furnace system, electric water heater, single pane wood frame windows, and repair sewer and leach field. Concurrent improvements are proposed at a cost of $10,000 which include conversion of present utility room into a storage room and provide for additional kitchen cabinets and electrical outlets.	64,500	64.5
NEW JERSEY		
NAEC Lakehurst Repairs to 32 quarters to include: Replace deteriorated exterior brick. Replace roof one one unit. Extensive paint stripping and refinishing of interior and exterior wood trim and walls is required. Concurrent improvements are also proposed at a cost of $738,900 which includes extensive alterations, additions, and reconfiguration of rooms. Provide new oil fired furnaces, electrical outlets, circuit, closets, smoke detectors, additional landscaping and site lighting.	37,734	1,207.5
PENNSYLVANIA		
NADC Warminster Repairs to four units to include: Replace kitchen cabinets and countertops, flooring in dining room and hallways, exterior doors, door frames, and hardware, bathroom sinks, and	40,775	163.1

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NADC Warminster (Continued) vanities, electrical switches, electrical panel box, light fixtures, garage door frames, and roof drip edge; increase attic insulation; repair interior wallboard finishes, foundation finishes; restore proper terrain slope at perimeter of units. Concurrent improvements are proposed at a cost of $29,300 which include wooden hand rails and safety treads on interior stairs, wrought iron railing on exterior stairs, bathroom vanities and exhaust fans, ductwork insulation, ground fault interrupter receptacles, additional receptacles, vinyl window shutters, entrance canopies, and garbage can enclosures.		
RHODE ISLAND		
NETC Newport Repairs to 108 units to include: Replace closet doors with sliding doors, interior doors, bath and lavatory accessories; refinish wood floors; replace windows, storage shed roofing and clapboard siding with vinyl siding; add insulation, and paint building interiors and exteriors; replace sub-floor, kitchen cabinets sinks and countertops; refinish stairs and landings; repair stairs, landing frames, gypsum board; replace bath sub-flooring and ceramic tile, replace and rewire garbage disposals, replace and/or refinish bath tubs; replace hose bibs with freeze proof type, shower/tub controls, interior and exterior receptacles; replace light fixture and control switch in kitchen, bedroom, laundry and closet areas, exhaust fan switch; replace bath receptacles, circuits, and smoke detectors. Phase two of three phases.	27,924	3,015.8
NETC Newport Repairs to 102 units to include: Replace exhaust fan with range hood, vent sink traps, utility	26,326	2,685.2

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NETC Newport (Continued) room doors, windows, gutters and downspouts, asphalt roof shingles, mailboxes, sliding doors, baseboard radiation, service entrance door in eight units, asbestos access panels in eight units, and overlay roads and driveways. Repair manholes, sewers (mains and laterals), storm catch basins, and replace shrubbery. Concurrent improvements are proposed at a cost of $1,491,900 which include dishwashers, garbage disposals, bathroom exhaust fans, concrete patios, privacy fencing, additional electrical receptacles, conversion of carports to garages, and additional shrubbery.		
SOUTH CAROLINA		
NAVHOSP Beaufort Repairs to two officer units to include: Remove exterior asbestos siding; install vinyl siding, soffit, fascia, and window trim; Install insulated windows and storm screen doors; and add window shutters.	19,400	38.8
NWS Charleston Repairs to one installation commander quarters (Quarters F): Remove and replace antiquated and unusable plumbing fixtures, cabinets, and counter tops in kitchen and bath. Repair by replacing deteriorated floor coverings and ceramic tile in kitchen and bath, exterior walls on family room, and electrical system. Replace air conditioning window units with central heat pump. Recoat metal roof.	108,400	108.4
NWS Charleston Repairs to 292 units to include: Replace exterior doors, sliding glass patio doors, defective windows/screens, wooden siding with	18,200	5,314.4

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	TOTAL ($000)
INSIDE THE UNITED STATES		
NWS Charleston (Continued) vinyl siding and roof shingles with fiberglass roof s' ngles. Repair and provide screen wire on balcon.es; repair exterior masonry walls and carport ceilings; install rain diverters and fencing; and fill planting area with concrete.		
NWS Charleston Repairs to 94 units to include: Replace shower pans, lavatories and faucet assemblies, base cabinets, vertical drain lines, bath lights, mirrors, bath ceiling ventilation fans, light fixtures and circuit breakers for baths. Remove and replace exterior storage shed doors, entrance doors and glass sliding patio doors, entrance door canopies and exterior light fixtures and mailboxes. Install vinyl siding.	27,000	2,538.0
WASHINGTON		
NAVSUBASE Bangor Repairs to 100 units to include: Replace kitchen cabinets, floor, and range hood, bathroom sink tub, medicine cabinets and floor, living room, hall and utility room floors; repair exterior siding, privacy fencing, storage closets, and trash storage areas; repave roads; repair sidewalks; replace parking bumpers; relocate catch basins; reroof units; and paint interior and exteriors. Concurrent improvements at a cost of $1,771,000 are proposed which include installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, new windows, combination storm/screen doors and improved kitchen and bathroom lighting. Includes improvements to carports, sidewalks, steps, guardrails, carport grading, exterior lighting, access roads and retaining walls.	42,966	4,296.6

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
NAS Whidbey Island Repairs to 90 units to include: Replace tubs/showers, mechanical room doors, kitchen exhaust fans, kitchen sinks and faucets, garbage disposal, bath lavatories. Repair/replace drain lines, heating ducts and thermostats. Replace furnace roof jacks, dining/breakfast area light fixtures, and exterior faucets. Repair roads, driveways, sidewalks and parking areas, storm drainage system, and exterior water and sewer laterals.	30,000	2,700.0
WEST VIRGINIA		
NAVRADSTA Sugar Grove Repairs to 40 units: Replace windows, vanities, lavatories and faucets, medicine cabinets, floor coverings, kitchen cabinets and counter tops, shingle roofs, tub enclosures, range hoods, and light fixtures.	40,375	1,615.0

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
OUTSIDE THE UNITED STATES		
AUSTRALIA		
NCS Harold E. Holt Repairs to 68 units to include: Replace kitchen cabinets, vinyl coated gypboard ceilings and walls, electrical wiring system, bent metal closet doors, and floor tiles.	77,206	5,250.0
CANADA		
NF Argentia Repairs to 214 units to include: Replace deteriorated bath flooring; provide vinyl siding; replace antiquated lavatories in baths with vanity type lavatories; replace undersized electrical service cable and deteriorated service breakers and panels; refinish/seal bathtubs; and remove and install new bathtub faucets.	15,078	3,226.6
MARIANAS ISLANDS		
PWC Guam Repairs to 53 units to include: Replace hot and cold water lines, electrical distribution lines, lighting fixtures, bathtub, bathroom vanity base, lavatory, and kitchen cabinets. Concurrent improvements are proposed at a cost of $3,024,400 which include gutters with downspouts, dishwashers, range hoods, garbage disposals, kitchen cabinets, carports with storage and driveway, trash enclosures, patios, concrete privacy dividers, and protective coverings for air conditioners.	18,415	976.0
PWC Guam Repairs to one installation commander quarters (3 McMorris Place): Replace plywood roof sheathing, asphalt roof shingles and felt, and fascia. Also included is routine maintenance and repair work to include service calls, preventive maintenance, painting, clean-up, and debris removal and disposal.	35,600	35.6

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
OUTSIDE THE UNITED STATES		
PWC Guam Repairs to two units to include: Replace asphalt shingles and felt, and one half of plywood roof deck and fascia; exterior painting.	36,500	73.0
PWC Guam Repairs to five units to include: Replace asphalt shingles and felt, and one half of plywood roof deck and fascia; exterior painting.	25,140	125.7
PHILIPPINES		
PWC Subic Bay Repairs to 34 units to include: Replace venetian blinds, drapery rods, interior doors, exterior screen doors, floor tile, kitchen cabinets, wall paneling with gypsum board, lavatory cabinet, gutters and downspouts, splash blocks, electrical panel boards, light fixtures, electrical receptacles, disconnect switches, and doorbell system.	37,974	1,291.1
PUERTO RICO		
NAVSTA Roosevelt Roads Repairs to 32 units to include: Replace doors, windows, kitchen cabinets, carpeting, bathroom fixture and tile; repair bedroom closets, and water, plumbing, and electrical systems; interior and exterior painting. Concurrent improvements at a cost of $872,800 which include removal of existing window air conditioners, installation of central air conditioners, ductwork, refrigerant tubing and piping, controls and related appurtenances, construction of a road between existing housing buildings, and one carport for each unit.	33,372	1,067.9

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL INSTALLATIONS,
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	VARIOUS

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
OUTSIDE THE UNITED STATES		
SPAIN		
NAVSTA Rota	18,642	3,020.0
Repairs to 162 units to include: Replace quarry, ceramic and cork tile floors, interior doors and hardware, oil fired furnaces and fuel piping. Install new ductwork. Concurrent improvements at a cost of $3,002,100 which include kitchen and bathroom ceramic wall tile finishes, kitchen base and wall cabinets, range exhaust hoods, bathroom accessories, fixtures, and fluorescent light fixtures in the kitchen and laundry rooms, construction of linen closets, installation of closet doors and shelves, and relocation of electric range outlets.		

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
Marine Corps		AUG 1989

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING MAINTENANCE/REPAIR OVER $15,000 PER UNIT	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	CURRENT WORKING ESTIMATE UNIT COST ($)	CURRENT WORKING ESTIMATE TOTAL ($000)
INSIDE THE UNITED STATES		
CALIFORNIA		
MCB Camp Pendleton Repairs to 170 enlisted Wire Mountain III area housing units. Repairs will replace fencing, windows, doors, screens, and correct landscape deficiencies; replaster, reinsulate, and refinish bathrooms and laundry rooms; replace plumbing and lighting; rewire and repair walls.	$37,112	$6,309.0
MCLB Barstow Repairs to 8 OPQ's. Project provides for replacement of windows, screens, roofing and siding.	$28,625	$ 229.0
NORTH CAROLINA		
MCAS Cherry Point Repairs to 300 officer and enlisted units. Project provides for replacement of siding, windows, screens, doors, interior lighting and for termite protection.	$25,480	$7,644.0
MCB Camp Lejeune Repairs to 435 officer and enlisted Capehart units at MCAS, New River. Project will repair and upgrade the units to modern day standards, to include complete interior repairs to the electrical, mechanical and architectural systems. Repairs include the repair/replacement of plumbing systems, fixtures and ancillary items, walls, floors, ceilings, windows, doors and trim, baseboards, kitchen cabinets, floor tiles, countertops and provide for new wall and ceiling insulation.	$36,064	$16,473.0
SOUTH CAROLINA		
MCAS Beaufort Repairs to 333 officer and enlisted units. This project will be the third and final phase of an effort which will repair 1,100 units. The project will make complete interior repairs to the electrical, mechanical and architectural systems. Repairs include the repair/replacement of plumbing systems, fixtures and ancillary items, electrical systems, walls, floors, ceilings, windows, doors and trim, baseboards, kitchen cabinets, floor tiles, countertops and provide for new wall and ceiling insulation.	$24,925	$8,300.0

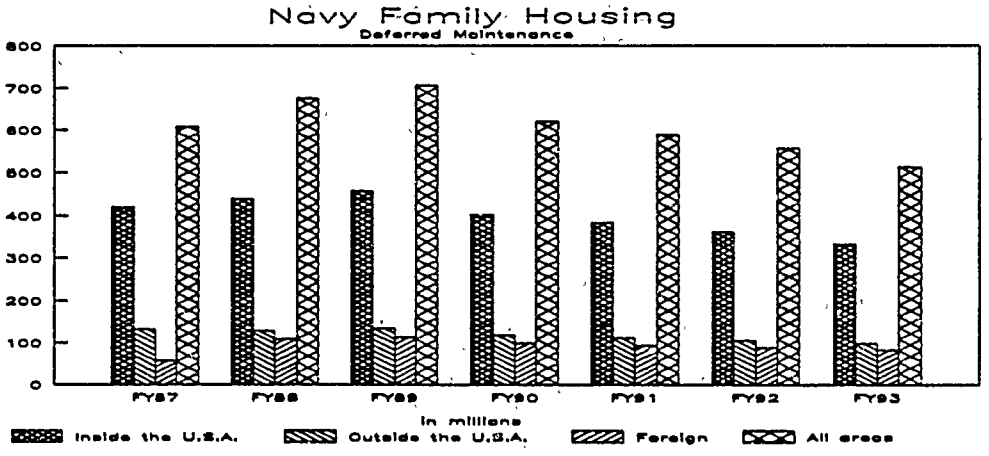
DEPARTMENT OF THE NAVY
DEFERRED MAINTENANCE
($ in Millions)
FY 1991 BUDGET

Appropriation: Family Housing Navy

	FY87	FY88	FY89	FY90	FY91	FY92	FY93
CONUS	420	439	457	403	383	361	332
US Overseas	131	128	135	118	112	106	98
Foreign	57	108	114	99	94	89	82
Worldwide End of FY	608	675	706	620	589	556	512

The major portion of the backlog of deferred maintenance is comprised of major repair projects and maintenance/repair items which are beyond the funding authority of the activity commanding officer and for which special project requests must be prepared and submitted for approval by higher authority. The types of projects comprising the backlog include maintenance of utility distribution systems (repair water, gas, and steam distribution lines; renew electrical service cables and drops); repairs to sanitary sewer systems; repairs to components of the dwelling unit (replace roofing, replace old sash and casement windows, repair sub-flooring, replace floor tile repair furnace and/or air conditioning systems, repair kitchen and bathrooms); repairs to real property (erosion control, sidewalk, curbing and road repairs).

The following is a graphic representation of the backlog of deferred maintenance. The first bar shows the backlog inside the United States. Bar 2 shows the backlog outside the United States. Bar 3 shows the backlog in foreign areas and bar 4 shows the total backlog Navy wide.



The acceptable backlog of deferred maintenance, on a per unit basis, is considered to be $1,000 for each active unit in the inventory. The backlog at the end of FY 89 of $706 million exceeds $10,500 per unit.

DEPARTMENT OF THE NAVY
FAMILY HOUSING, MARINE CORPS
FAMILY HOUSING FY 1991 DEFERRED MAINTENANCE
($ in Millions)
FY 1991 BUDGET

Appropriation: Family Housing, Marine Corps

	FY87	FY88	FY89	FY90	FY91	FY92	FY93
CONUS	59.6	66.6	70.1	76.2	66.0	72.1	85.5
U.S. Overseas	0	0	0	0	0	0	0
Foreign	0.9	0.8	0.7	0.6	0.5	0.4	0.3
Worldwide	60.5	67.4	70.8	76.8	66.5	72.5	85.8

The backlog of deferred maintenance is comprised of major repair projects which are unfunded. The types of work generally accomplished by major repair projects are utility distribution systems (repairs to sewer, water and electrical systems), whole house repair (this concept creates a project based upon all requirements rather than generating numerous smaller projects which only address one deficiency in the house), repairs to streets, sidewalks, erosion control, roofs, guttering, etc.

Family Housing, Navy and Marine Corps
LEASING

(In Thousands)
FY 1991 Program $53,775.0
FY 1990 Program $41,488.0

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 1991 follows:

	FY 89		FY 90		FY 91	
	Yr End Units	Cost ($000)	Authorization Units	Cost ($000)	Authorization Units	Cost ($000)
Domestic:						
Navy	855	4,551.0	4,000	14,676.0	4,000	25,501.0
Marine Corps	0	0	200	1,000.0	200	1,219.0
Foreign:	1,743	23,982.0	1,992	25,812.0	2,267	27,055.0
Total:	2,598	28,533.0	6,192	41,488.0	6,467	53,775.0

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 1984 Military Construction Authorization Act (PL 98-115) authorized 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 has been extended through the end of FY 1991. 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 (1,202 units) and Twentynine Palms, CA (200 units). There are four additional projects underway for a total of 1,678 units.

Domestic Leasing Fiscal Year Summary:

FY 1989 - The domestic leasing program consisted of 855 units that required funding of $4,551.0. Funding in the amount of $4,354.8 provided for full funding of the Section 801 leasing projects at Norfolk and partial funding for Mayport, Earle, and Staten Island. The remaining $196.2 supported the domestic leasing program in Key West, FL.

FY 1990 - The domestic leasing program consisted of 1,172 units that required funding of $15,676.0. Funding in the amount of $15,267.0 provided full funding for Section 801 projects at Earle, Norfolk, Mayport and partial funding for Staten Island and Twentynine Palms. The remaining $409.0 is required to provide continued domestic short-term leasing support in Key West, FL, and first time support in Staten Island, NY.

FY 1991 - The domestic leasing program consists of 2,113 units requiring funding of $26,720.0. Funding in the amount of $26,470.0 is requested to provide full funding for Section 801 projects at Earle, Norfolk, Mayport and Twentynine Palms and partial funding for Staten Island. The remaining $250.0 is required to support 33 short-term domestic leases in Glenview, IL.

Statutory thresholds combined with the scarcity of affordable housing in urban areas inhibit the potential for short term leasing as an answer to Navy family housing requirements. Furthermore, these conditions enhance the need for the long term security provided by Section 801 housing. The economics of the rental markets, in conjunction with the limited supply of housing units, exemplifies the urgency of pursuing more concrete solutions to satisfying our housing needs.

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 1989 unit authorization consisted of 1,992 units of which 1,743 required funding. The authorization difference of 249 units is due to anticipated delay of delivery of 200 units in the Sigonella project which will be completed in FY 1992. The remaining 49 units are to support the leasing program at Rota, Spain, La Maddalena, Italy and various other locations.

The FY 1990 unit authorization consisted of 1,992 units of which 1,757 required funding. The authorization difference of 235 units is due to anticipated delay of requirements for lease execution in various locations.

The FY 1991 unit authorization consists of 2,267 units of which 1,967 will require funding. This budget estimate also includes a request for authorization of 275 additional foreign leases. The leases will support the lease construct program at Naples, Italy (200 units) and the expanded SHORE program at various locations.

FAMILY HOUSING, DEPARTMENT OF THE NAVY

SECTION 801 FAMILY HOUSING SUMMARY

(Dollars in thousands)

FY 19 91

LOCATION	NO OF UNITS	FY OF INITIAL AUTH	DATE OF AWARD	DATE OF FULL OCCUP	TOTAL ANNUAL COST	FY (CY) 90 UNITS	FY (CY) 90 COSTS	FY (BY) 91 UNITS	FY (BY) 91 APPROP REQUEST
NAVY									
Earle, NJ	300	1984	10/88	8/90	4,027.6	300	2,823.0	300	4,027.6
Norfolk, VA	300	1984	2/86	12/87	3,992.0	300	3,992.0	300	4,001.4
Mayport, FL	200	1986	8/86	3/89	1,527.0	200	1,527.0	200	1,566.0
Staten Island, NY	1,202	1987	6/89	10/91	21,071.2	230	2,125.0	880	11,641.1
San Diego, CA	478	1988	12/90	12/92	3,299.0	0	0	0	0
Long Beach, CA	300	1988	3/91	3/93	3,259.6	0	0	0	0
Port Hueneme/ Point Mugu, CA	300	1988	10/90	11/92	3,105.7	0	0	0	0
Washington, DC	600	1988	10/89	10/91	5,712.0	0	0	200	714.3
Unassigned	300	1988	----	----	.0	0	0	0	0
PLANNING							3,800.0		3,300.6
MARINE CORPS									
29 Palms	200	1986	9/86	10/91	1,500.0	100	1,000.0	200	1,219.0
TOTAL	4,180	N A	N/A	N/A	50,014.1	1,130	15,267.0	2,080	26,470.0

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FAMILY HOUSING, DEPARTMENT OF THE NAVY

ANALYSIS OF LEASED UNITS

(Other than Section 801 and Section 802 Units)

FY 19 91

LOCATION	FY (PY) 89			FY (CY)90			FY (BY) 91		
	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)
DOMESTIC LEASES *(List each location)*									
New York, NY	0	0	0	2	4	4.0	0	0	0
Key West, FL	25	205	196.2	40	431	405.0	0	0	0
Glenview, IL	0	0	0	0	0	0	33	396	250.0
TOTAL DOMESTIC LEASES	25	205	196.2	42	435	409.0	33	396	250.0
FOREIGN LEASES *(List each location)*									
(a) Hong Kong, B.C.	7	84	218.0	7	84	228.8	7	84	297.9
(a) Manila	53	585	832.0	53	636	831.5	53	636	975.8
(c) Djakarta	6	72	335.0	9	99	436.8	10	120	399.8
(c) Bangkok	7	81	180.0	8	95	234.5	7	84	225.8
(a) Bahrain	1	12	67.8	1	12	31.2	1	12	54.4
(c) New Delhi	1	12	32.0	1	12	45.7	1	12	43.8
(a) Lisbon	1	12	48.0	1	12	47.7	1	12	48.9
(a) Greece	3	36	55.6	3	36	52.7	3	36	56.0
(a)(b)La Maddalena	162	1,944	2,225.0	194	2,226	3,080.4	204	2,448	2,899.1
TOTAL FOREIGN LEASES									
GRAND TOTAL									

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FAMILY HOUSING, DEPARTMENT OF THE NAVY

ANALYSIS OF LEASED UNITS

(Other than Section 801 and Section 802 Units)

FY 19 91

LOCATION	FY (PY) 89			FY (CY) 90			FY (BY) 91		
	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)	UNITS AUTHORIZED	LEASE MONTHS	COST ($000)
DOMESTIC LEASES *(list each location)*									
TOTAL DOMESTIC LEASES									
FOREIGN LEASES *(list each location)*									
(a)(b) Naples	508	6,096	6,070.8	510	6,108	6,189.6	710	6,096	6,402.1
(a)(b) Sigonella	309	3,708	7,130.4	496	5,104	6,748.3	509	5,308	6,837.2
(a)(b) London	84	1,008	1,092.7	84	1,008	1,478.4	134	1,208	1,932.3
(a)(b) Holy Loch	436	5,232	4,241.8	436	4,704	4,479.0	436	5,232	4,780.6
(b) Thurso	50	600	494.9	50	600	606.0	50	600	625.1
(b) Edzell	102	1,224	831.6	102	1,224	927.6	102	1,224	956.3
(a) Rota	0	0	0	25	300	208.0	25	300	296.4
(a) Rome	10	30	40.0	11	124	166.3	13	148	203.4
(a) Oslo	1	12	19.2	1	12	19.5	1	12	20.1
(a) Tokyo	2	20	67.2	0	0	0	0	0	0
TOTAL FOREIGN LEASES	1,743	20,768	23,982.0	1,992	22,396	25,812.0	2,267	23,572	27,055.0
GRAND TOTAL	1,768	20,973	24,178.2	2,034	22,831	26,221.0	2,300	23,968	27,305.0

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(a) Individual Lease (b) Lease Construction (c) Department of State Leasing Pool

FY 1991
FAMILY HOUSING, NAVY
DEBT PAYMENT

	(In thousands)
FY 1991 Program	$198
FY 1990 Program	$208

Purpose and Scope

The requirement for the payment of principal and interest on the remaining indebtedness for Capehart and acquired Wherry housing has been completed. All mortgages have been paid off as of 30 September 1988 for the Wherry housing and as of 30 September 1989 for the Capehart housing. The only remaining requirement for this program is the payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel on housing purchased by them.

Program Summary

Authorization required for the appropriation is $198,000. No reimbursements will be used to finance the FY 1991 program pursuant to Section 511, Public Law 96-418.

A summary of the status of the indebtedness assumed by the Department of the Navy to acquire quarters for the military housing is as follows:

	(In Thousands)		
	1989 Actual	1990 Enacted	1991 Estimate
Debt Incurred:			
Capehart	346,901	346,901	346,901
Wherry	158,158	158,158	158,158
TOTAL	505,059	505,059	505,059
Less previously retired:			
Capehart	346,773	346,901	346,901
Wherry	158,158	158,158	158,158
TOTAL	504,931	505,059	505,059
Debt Retired During Year:			
Capehart	128	-0-	-0-
Wherry	-0-	-0-	-0-
TOTAL	128	-0-	-0-
Unliquidated Debt, End of Year:			
Capehart	-0-	-0-	-0-
Wherry	-0-	-0-	-0-
TOTAL	-0-	-0-	-0-

FY 1991
FAMILY HOUSING, NAVY
DEBT PAYMENT
($000)

TOA	FY 1990	FY 1991
Interest		
Capehart and Wherry	-0-	-0-
Mortgage Insurance Premiums		
Servicemember's		
Navy	197	189
Marine Corps	11	9
Total Obligating Authority	208	198
Budget Authority:	208	198
Appropriation	208	198
Portion Applied to Debt Reduction	-0-	-0-
Appropriation (adjusted)	208	198

FAMILY HOUSING, NAVY
FY 1991 BUDGET
SERVICEMEN'S MORTAGE INSURANCE PREMUIMS

This program provides for the payment of premiums due on mortage insurance provided by the Federal Housing Administration for housing mortgages purchased by active duty military personnel. Also, it continues payments for cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. Payments extend for a period of two years after death or until 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. The Department of Housing and Urban Development stopped processing applications for servicemen's mortgage insurance premiums as of 31 March 1980 with the discontinuance of Section 222 of the Housing Act.

	FY1990			FY1991		
	NAVY	MARINE CORPS	TOTAL	NAVY	MARINE CORPS	TOTAL
No. of Mortgages	1,065	79	1,144	1,021	64	1,085
Average Payment	$140	$140	$180	$140	$140	$180
Total Payment	$197,000	$11,000	$208,000	$189,000	$ 9,000	$198,000