Department of the Navy

FY 1990/FY 1991 BIENNIAL BUDGET ESTIMATES

MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

FY 1991

JUSTIFICATION DATA
SUBMITTED TO CONGRESS
JANUARY 1989

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

TABLE OF CONTENTS

STATE LIST

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Summary of Locations
(All Dollars in Thousands)

State/Country	Auth. Request	Appro. Request
Inside the United States		
Alaska	$ 5,700	$ 5,700
Arizona	3,000	3,000
California	359,852	359,852
Connecticut	41,270	41,270
District of Columbia	9,800	9,800
Florida	64,140	64,140
Georgia	74,970	74,970
Hawaii	22,000	22,000
Illinois	4,600	4,600
Indiana	8,900	8,900
Kentucky	5,400	5,400
Maine	30,500	30,500
Maryland	24,550	103,598
Mississippi	17,200	17,200
Nevada	3,340	3,340
New Jersey	20,000	20,000
New Mexico	600	600
New York	20,040	20,040
North Carolina	51,980	51,980
Pennsylvania	18,800	18,800
Rhode Island	10,350	10,350
South Carolina	52,040	52,040
Texas	16,500	16,500
Virginia	140,124	140,124
Washington	125,690	125,690
Subtotal	1,131,346	1,210,394
Outside the United States		
Bermuda	$ 374	$ 374
Canada	1,350	1,350
Cuba	31,669	31,669
Guam	41,900	41,900
Iceland	32,600	32,600
Italy	14,760	14,760
Japan	6,910	6,910
Philippines	1,900	1,900
Puerto Rico	810	810
Spain	1,740	1,740
United Kingdom	4,100	4,100
Subtotal	138,113	138,113
Various Locations	158,267	158,267
Total - FY 1991 Military Construction and Family Housing Program	1,427,726	1,506,774
Less: Family Housing	-196,474	-196,474
Total - FY 1991 Military Construction Program	1,231,252	1,310,300

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
		INSIDE THE UNITED STATES				
Alaska		Naval Air Station, Adak				50
	892	Solid Waste Disposal Facility	$ 3,200	$ 3,200	100	555
		Subtotal	3,200	3,200		
		Naval Security Group Activity Adak				51
	075	Operations Building Addition	2,500	2,500	100	52
		Subtotal	2,500	2,500		
		TOTAL FOR ALASKA	5,700	5,700		
Arizona		Marine Corps Air Station, Yuma				54
	441	Aviation Supply Warehouse	3,000	3,000	100	55
		Subtotal	3,000	3,000		
		TOTAL FOR ARIZONA	3,000	3,000		
California		Marine Corps Air Station Camp Pendleton				57
	584	Construction and Weight Handling Equipment Shop	3,900	3,900	100	58
		Subtotal	3,900	3,900		
		Marine Corps Base, Camp Pendleton				60
	229	Electronics Communications Maintenance Shop	5,900	5,900	100	61
	977	Mess Hall	3,600	3,600	100	63
	996	Military Operations in Urbanized Terrain	15,500	15,500	85	65
	890	Family Housing	11,750	11,750	N/A	588
		Subtotal	36,750	36,750		
		Naval Hospital, Camp Pendleton				67
	427	Environmental Health & Industrial Hygiene Facility	1,050	1,050	100	68
		Subtotal	1,050	1,050		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
California (Continued)		Naval Weapons Center, China Lake				70
	431	Advanced Weapons Laboratory	$ 17,500	$ 17,500	50	71
		Subtotal	17,500	17,500		
		Naval Weapons Station, Concord				73
	284	Advance Weapons Facility	6,500	6,500	100	74
	292	Railroad and Vehicular Bridges and Land Acquisition	10,000	10,000	35	76
		Subtotal	16,500	16,500		
		Naval Amphibious Base, Coronado				79
	142	Amphibious Operations Facility	3,200	3,200	100	80
	179	Desert Operations Facility	6,000	6,000	100	82
	180	Maritime Training Facility	2,200	2,200	100	84
	150	Waterfront Maintenance and Operations Facility	8,400	8,400	100	86
		Subtotal	19,800	19,800		
		Naval Air Facility, El Centro				88
	205	Aircraft Direct Fueling Station	1,350	1,350	100	89
	202	Ordnance Facility	7,700	7,700	100	91
		Subtotal	9,050	9,050		
		Marine Corps Air Station, El Toro				93
	594	Aircraft Parking Apron	4,900	4,900	100	94
	381	Data Processing Center	3,950	3,950	100	96
	393	Maintenance Hangar Additions	6,600	6,600	100	98
	595	Operational Trainer Facility	8,100	8,100	100	100
		Subtotal	23,550	23,550		
		Naval Air Station, Lemoore				102
	074	Battery Shop	420	420	100	562
	888	Weapons School Addition	900	900	100	562
		Subtotal	1,320	1,320		
		Naval Shipyard, Long Beach				103
	235	Asbestos Removal Shop	500	500	100	562
		Subtotal	500	500		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
California (Continued)		Naval Station, Long Beach				104
	203	Physical Fitness Facilities	$ 5,800	$ 5,800	100	105
	201	Wharf Utilities Upgrade	3,500	3,500	100	107
	614	Family Housing	24,900	24,900	N/A	593
		Subtotal	34,200	34,200		
		Naval Air Station, Miramar				109
	346	Topgun Academic Facility	4,600	4,600	100	110
	888	Weapons School Addition	900	900	100	563
		Subtotal	5,500	5,500		
		Naval Postgraduate School Monterey				112
	129	Building Conversion and Seismic Upgrade	3,200	3,200	100	113
	137	Child Care Center	2,100	2,100	100	115
	151	Gymnasium	3,970	3,970	100	117
	161	Lecture Hall Addition and Seismic Upgrade	2,180	2,180	100	119
	146	Public Works Complex	4,600	4,600	100	121
		Subtotal	16,050	16,050		
		Naval Air Station, North Island				123
	573	High Explosive Magazines	1,500	1,500	100	124
		Subtotal	1,500	1,500		
		Pacific Missile Test Center Point Mugu				126
	063	Security Improvements	2,060	2,060	100	127
	0187	Family Housing Office	480	480	N/A	598
		Subtotal	2,540	2,540		
		Naval Ship Weapons System Engineering Station, Port Hueneme				130
	012	Weapon Systems Integration Laboratory	10,100	10,100	100	131
		Subtotal	10,100	10,100		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
California (Continued)		Naval Construction Battalion Center, Port Hueneme				133
	474	Electrical Distribution System Improvement	$ 2,000	$ 2,000	50	134
		Subtotal	2,000	2,000		
		Fleet Anti-Submarine Warfare Training Center, Pacific, San Diego				136
	228	Applied Instruction Building Addition	2,100	2,100	100	137
		Subtotal	2,100	2,100		
		Fleet Combat Training Center Pacific, San Diego				139
	034	Applied Instruction Building Addition	620	620	100	563
	033	Bachelor Enlisted Quarters and Mess Hall	14,640	14,640	75	140
		Subtotal	15,260	15,260		
		Naval Hospital, San Diego				142
	606	Parking Structure	1,500	1,500	40	143
		Subtotal	1,500	1,500		
		Naval Ocean Systems Center, San Diego				145
	095	Combined Research Laboratory	11,700	11,700	80	146
		Subtotal	11,700	11,700		
		Naval Station, San Diego				149
	224	Drig	8,430	8,430	100	150
		Subtotal	8,430	8,430		
		Naval Submarine Base, San Diego				152
	048	Bachelor Enlisted Quarters	15,670	15,670	50	153
	092	Oily Waste System	440	440	100	563
		Subtotal	16,110	16,110		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
California (Continued)		Naval Supply Center, San Diego				155
	086	Cold Storage Warehouse	$ 6,340	$ 6,340	100	156
		Subtotal	6,340	6,340		
		Naval Training Center, San Diego				158
	191	Barracks	5,600	5,600	100	159
	349	Child Care Center	2,350	2,350	100	161
	347	Small Arms Range	4,000	4,000	100	163
		Subtotal	11,950	11,950		
		Navy Public Works Center, San Diego				165
	116	Electrical Distribution System Upgrade	9,000	9,000	100	166
	072	Public Works Shop	8,900	8,900	100	168
	149	Steam Distribution System Improvements	3,300	3,300	100	170
	815	Family Housing	31,850	31,850	N/A	601
		Subtotal	53,050	53,050		
		Navy Public Works Center, San Francisco				172
	061	Public Works Shop	11,200	11,200	100	173
		Subtotal	11,200	11,200		
		Naval Weapons Station, Seal Beach				175
	171	Weapons Testing and Evaluation Facility	8,830	8,830	100	176
		Subtotal	8,830	8,830		
		Naval Security Group Activity, Skaggs Island				179
	073	Potable Water System	1,472	1,472	100	180
		Subtotal	1,472	1,472		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
California (Continued)		Marine Corps Air-Ground Combat Center, Twentynine Palms				182
	428	Field Maintenance Shop	$ 3,600	$ 3,600	100	183
	470	Industrial Wastewater Treatment Facilities	2,200	2,200	100	555
	447	Potable Water Storage Tank	4,300	4,300	100	185
		Subtotal	10,100	10,100		
		TOTAL FOR CALIFORNIA	359,852	359,852		
Connecticut		Naval Submarine Base, New London				187
	130	Bachelor Officer Quarters Modernization	4,700	4,700	100	188
	413	Quaywall Replacement	9,100	9,100	100	190
	391	Steam Turbine Generator	4,700	4,700	100	193
	424	Thames River Dredging	7,770	7,770	35	195
		Subtotal	26,270	26,270		
		Naval Submarine School, New London				198
	398	Operational Trainer Facility	15,000	15,000	45	199
		Subtotal	15,000	15,000		
		TOTAL FOR CONNECTICUT	41,270	41,270		
District of Columbia		Naval Research Laboratory, Washington				201
	115	Electro-Optics Research Laboratory	9,800	9,800	100	202
		Subtotal	9,800	9,800		
		TOTAL FOR DISTRICT OF COLUMBIA	9,800	9,800	100	
Florida		Naval Air Station, Cecil Field				204
	212	Centrifuge Trainer	2,010	2,010	N/A	205
	831	Sanitary Wastewater System Upgrade	2,000	2,000	50	556
		Subtotal	4,010	4,010		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Florida (Continued)		Naval Air Station, Jacksonville				207
	174	Anti-Submarine Warfare Training Facility	$ 2,800	$ 2,800	100	208
	188	Wastewater System Improvements	6,300	6,300	35	211
		Subtotal	9,100	9,100		
		Naval Hospital, Jacksonville				213
	510	Medical Warehouse Addition	940	940	35	564
		Subtotal	940	940		
		Naval Air Station, Key West				214
	620	Explosive Ordnance Disposal Mobile Unit Facility	3,000	3,000	100	215
	636	Joint Air Reconnaissance Control Center Addition	4,000	4,000	45	217
		Subtotal	7,000	7,000		
		Fleet Training Center, Mayport				219
	168	Fire Fighting Training Facility	5,300	5,300	100	220
		Subtotal	5,300	5,300		
		Naval Station, Mayport				222
	830	Water Storage Tanks	3,600	3,600	100	223
		Subtotal	3,600	3,600		
		Naval Training Center, Orlando				225
	200	Barracks	10,910	10,910	100	226
	202	Cold Storage Warehouse	1,400	1,400	N/A	228
	240	Mess Hall	7,040	7,040	100	230
		Subtotal	19,350	19,350		
		Naval Coastal Systems Center, Panama City				232
	301	Computation and Analysis Laboratory Addition	5,300	5,300	100	233
		Subtotal	5,300	5,300		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Florida (Continued)		Naval Supply Center, Pensacola				236
	271	Cold Storage Warehouse	$ 6,100	$ 6,100	100	237
		Subtotal	6,100	6,100		
		Navy Public Works Center, Pensacola				239
	111	Water and Sewer Pipelines Separation	3,440	3,440	50	556
		Subtotal	3,440	3,440		
		TOTAL FOR FLORIDA	64,140	64,140		
Georgia		Marine Corps Logistics Base, Albany				240
	310	Calibration Equipment Test Facility	3,250	3,250	100	241
	605	Industrial Waste Treatment Plant Improvements	2,600	2,600	100	243
		Subtotal	5,850	5,850		
		Naval Submarine Base, Kings Bay				245
	418	Bachelor Enlisted Quarters	7,200	7,200	50	246
	364	Explosives Handling Wharf	56,400	56,400	45	248
	420	Small Ordnance Magazine	620	620	100	564
	414	Trident Training Facility Addition	4,900	4,900	50	250
		Subtotal	69,120	69,120		
		TOTAL FOR GEORGIA	74,790	74,790		
Hawaii		Naval Magazine, Lualualei				252
	117	Electrical Distribution Lines Relocation	1,400	1,400	100	253
		Subtotal	1,400	1,400		
		Commander Oceanographic System Pacific, Pearl Harbor				255
	417	Surtass Support Center	10,200	10,200	100	256
		Subtotal	10,200	10,200		
		Naval Submarine Base, Pearl Harbor				258
	114	Electrical Distribution System Improvements	2,000	2,000	100	259
		Subtotal	2,000	2,000		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Hawaii (Continued)		Naval Supply Center, Pearl Harbor				261
	133	Road	$ 1,500	$ 1,500	100	262
		Subtotal	1,500	1,500		
		Navy Public Works Center, Pearl Harbor				264
	504	Automotive Vehicle Maintenance Shop	6,900	6,900	100	265
		Subtotal	6,900	6,900		
		TOTAL FOR HAWAII	22,000	22,000		
Illinois		Naval Training Center, Great Lakes				267
	471	Fireman Apprentice Training School	2,800	2,800	100	268
		Subtotal	2,800	2,800		
		Navy Public Works Center, Great Lakes				270
	538	Electrical Distribution System Improvements	1,100	1,100	100	271
	378	Storm Sewer System Improvements	700	700	100	564
		Subtotal	1,800	1,800		
		TOTAL FOR ILLINOIS	4,600	4,600		
Indiana		Naval Weapons Support Center Crane				273
	224	Electronics Communications Maintenance Shop	4,000	4,000	40	274
	244	Mechanized Materials Management Facility	4,900	4,900	35	277
		Subtotal	8,900	8,900		
		TOTAL FOR INDIANA	8,900	8,900		
Kentucky		Naval Ordnance Station, Louisville				280
	215	Phalanx Shop Modernization	5,400	5,400	50	281
		Subtotal	5,400	5,400		
		TOTAL FOR KENTUCKY	5,400	5,400		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Maine		Portsmouth Naval Shipyard, Kittery				283
	228	Dry Dock Modernization and Cover (Increment I)	$ 30,500	$ 30,500	40	284
		Subtotal	30,500	30,500		
		TOTAL FOR MAINE	30,500	30,500		
Maryland		Naval Academy, Annapolis				287
	259	Bancroft Hall Expansion (Phase II)	0	24,000	100	288
		Subtotal	0	24,000		
		Naval Hospital, Bethesda				290
	912	Bachelor Enlisted Quarters	9,000	9,000	100	291
		Subtotal	9,000	9,000		
		Naval Ordnance Station, Indian Head				293
	963	Industrial Wastewater Treatment Facilities	6,400	6,400	100	557
		Subtotal	6,400	6,400		
		Naval Air Test Center, Patuxent River				294
	420	Security Improvements	3,000	3,000	100	295
		Subtotal	3,000	3,000		
		Naval Hospital, Patuxent River				298
	903	Aviation Physiology Training Facility	2,250	2,250	100	299
		Subtotal	2,250	2,250		
		Naval Electronic Systems Engineering Activity, St. Inigoes				301
	723	FACSFAC Electronic Systems Integration	3,900	3,900	100	302
		Subtotal	3,900	3,900		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Maryland (Continued)		Naval Intelligence Command Headquarters, Suitland				304
	001A	Headquarters Building (Increment II)	$ 0	$ 55,048	90	305
		Subtotal	0	55,048		
		TOTAL FOR MARYLAND	24,550	103,598		
Mississippi		Naval Oceanography Command Facility, Bay St. Louis				307
	001	Oceanographic Building	1,700	1,700	100	308
		Subtotal	1,700	1,700		
		Naval Construction Battalion Center, Gulfport				310
	745	Controlled Humidity Warehouse	6,900	6,900	100	311
		Subtotal	6,900	6,900		
		Naval Construction Training Center Gulfport				313
	716	Applied Instruction Building	1,500	1,500	100	314
	723	Barracks	7,100	7,100	100	316
		Subtotal	8,600	8,600		
		TOTAL FOR MISSISSIPPI	17,200	17,200		
Nevada		Naval Air Station, Fallon				318
	282	Range Air Surveillance System	3,340	3,340	100	319
		Subtotal	3,340	3,340		
		TOTAL FOR NEVADA	3,340	3,340		
New Jersey		Naval Weapons Station, Earle				321
	949	Trestles Replacement (Increment I)	20,000	20,000	50	322
		Subtotal	20,000	20,000		
		TOTAL FOR NEW JERSEY	20,000	20,000		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
New Mexico		Naval Ordnance Missile Test Station, White Sands				324
	005	Gun Test Range	$ 600	$ 600	100	565
		Subtotal	600	600		
		TOTAL FOR NEW MEXICO	600	600		
New York		Director First Marine Corps District, Garden City				325
	002	Physical Security Improvements	440	440	100	566
		Subtotal	440	440		
		Naval Station, New York				
	801	Family Housing	19,600	19,600	N/A	606
		Subtotal	19,600	19,600		
		TOTAL FOR NEW YORK	20,040	20,040		
North Carolina		Marine Corps Base, Camp Lejeune				326
	630	Bachelor Enlisted Quarters	13,580	13,580	75	327
	679	Electronics Communications Maintenance Shops	4,100	4,100	100	329
	304	Field Maintenance Complex	20,900	20,900	75	331
	810	Mechanics Training Building (Increment III)	3,000	3,000	100	3[illegible]
		Subtotal	41,580	41,580		
		Marine Corps Air Station, Cherry Point				335
	031	Aircraft Bombing Range	1,050	1,050	100	336
	883	Regimental Group Headquarters	1,750	1,750	100	339
	017	Water Treatment Facility	7,600	7,600	100	341
		Subtotal	10,400	10,400		
		TOTAL FOR NORTH CAROLINA	51,980	51,980		
Pennsylvania		Naval Station, Philadelphia				343
	521	Brig	5,100	5,100	100	344
		Subtotal	5,100	5,100		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Pennsylvania (Continued)		Naval Air Development Center, Warminster				347
	163	Aircraft Technologies Laboratory	$ 13,700	$ 13,700	45	348
		Subtotal	13,700	13,700		
		TOTAL FOR PENNSYLVANIA	18,800	18,800		
Rhode Island		Naval Education and Training Center, Newport				351
	146	Steam Distribution System Upgrade	6,350	6,350	100	352
		Subtotal	6,350	6,350		
		Naval Underwater Systems Center Newport				354
	034	Guided Missile Laboratory	4,000	4,000	100	355
		Subtotal	4,000	4,000		
		TOTAL FOR RHODE ISLAND	10,350	10,350		
South Carolina		Marine Corps Air Station Beaufort				358
	366	Bachelor Enlisted Quarters	6,500	6,500	40	359
		Subtotal	6,500	6,500		
		Naval Hospital, Charleston				361
	229	Emergency Water Storage Tank	550	550	100	566
		Subtotal	550	550		
		Naval Shipyard, Charleston				362
	800	Water Treatment Facility	500	500	100	567
		Subtotal	500	500		
		Naval Station, Charleston				363
	699	Boat Shop	1,090	1,090	100	364
	747	Pay and Personnel Support Office Addition	500	500	100	566
		Subtotal	1,590	1,590		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
South Carolina (Continued)		Naval Supply Center, Charleston				366
	058	Fleet Supply Support Store	$ 3,200	$ 3,200	100	367
		Subtotal	3,200	3,200		
		Naval Weapons Station, Charleston				369
	784	Missile Magazine	1,900	1,900	100	370
	869	Propulsion Training Facility	25,000	25,000	50	372
	823	SEALANCE Missile Maintenance Facility	9,400	9,400	100	374
		Subtotal	36,300	36,300		
		Marine Corps Recruit Depot, Parris Island				376
	118	Clothing Issue Building	3,400	3,400	100	377
		Subtotal	3,400	3,400		
		TOTAL FOR SOUTH CAROLINA	52,040	52,040		
Texas		Naval Air Station, Corpus Christi				379
	270	Airfield Lighting	4,700	4,700	100	380
		Subtotal	4,700	4,700		
		Naval Technical Training Center Detachment, Lackland AFB				382
	002	Bachelor Enlisted Quarters	11,800	11,800	100	383
		Subtotal	11,800	11,800		
		TOTAL FOR TEXAS	16,500	16,500		
Virginia		Headquarters Marine Corps, Arlington				385
	006	General Purpose Warehouse	2,800	2,800	90	386
		Subtotal	2,800	2,800		
		Marine Corps Detachment, Camp Elmore				388
	801	Operations Center	2,850	2,850	100	389
		Subtotal	2,850	2,850		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Virginia (Continued)		Naval Space Surveillance System Dahlgren				391
	249	Space Surveillance Center	$ 9,800	$ 9,800	100	392
		Subtotal	9,800	9,800		
		Fleet Combat Direction Systems Support Activity, Dam Neck				395
	983	Computer Programming Operations Center Addition	6,330	6,330	100	396
		Subtotal	6,330	6,330		
		Marine Environmental Systems Facility, Dam Neck				399
	335	Operations and Maintenance Facilities	8,000	8,000	100	400
		Subtotal	8,000	8,000		
		Naval Amphibious Base, Little Creek				403
	337	Landing Craft Air Cushion Complex (Increment II)	12,400	12,400	75	404
	204	Surface Warfare Development Group Operations Facility	2,200	2,200	100	407
	418	SURTASS Support Center Addition	7,250	7,250	85	410
	0288	Family Housing Office	370	370	N/A	611
		Subtotal	22,220	22,220		
		Naval Amphibious School, Little Creek				413
	366	Landing Craft Air Cushion Training Facility	1,440	1,440	100	414
	360	Training Materials Storage	800	800	100	567
		Subtotal	2,240	2,240		
		Fleet Training Center, Norfolk				416
	179	Electrical Trades Training Building Addition	6,000	6,000	100	417
	180	Fire Fighting Training Facility	12,000	12,000	100	419
		Subtotal	18,000	18,000		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Virginia (Continued)		Naval Communications Area Master Station Atlantic, Norfolk				421
	141	Communication Center Addition	$ 5,370	$ 5,370	100	422
		Subtotal	5,370	5,370		
		Naval Station, Norfolk				424
	834	Electric Power Upgrade	9,000	9,000	100	425
		Subtotal	9,000	9,000		
		Naval Supply Center, Norfolk				427
	444	General Warehouse	6,400	6,400	100	428
		Subtotal	6,400	6,400		
		Navy Public Works Center, Norfolk				430
	236	Fuel Line	3,130	3,130	100	431
	5079	Family Housing Community Center	415	415	N/A	614
	2084	Family Housing Community Center	415	415	N/A	615
		Subtotal	3,960	3,960		
		Naval Air Station, Oceana				433
	178	Weapons System Trainer Building Addition	3,150	3,150	100	434
		Subtotal	3,150	3,150		
		Shore Intermediate Maintenance Activity, Portsmouth				437
	320	Shore Intermediate Maintenance Facility	12,094	12,094	75	438
		Subtotal	12,094	12,094		
		Marine Corps Combat Development Command, Quantico				441
	402	Combat Development Center	16,000	16,000	60	442
	408	Military Operations in Urbanized Terrain	3,850	3,850	100	444
		Subtotal	19,850	19,850		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Virginia (Continued)		Naval Research Laboratory Annex, Quantico				446
	148	Midway Research Center Upgrade	$ 2,600	$ 2,600	100	447
		Subtotal	2,600	2,600		
		Naval Surface Warfare Center, Wallops Island				449
	327	AEGIS Command and Life Support Facility	5,460	5,460	50	450
		Subtotal	5,460	5,460		
		TOTAL FOR VIRGINIA	140,124	140,124		
Washington		Trident Refit Facility, Bangor				452
	057	Crane Trackage Extension	910	910	100	568
	050	Hazardous and Flammable Storehouse	2,100	2,100	100	453
		Subtotal	3,010	3,010		
		Trident Training Facility, Bangor				455
	993	Fire Fighting Training Facility	3,600	3,600	100	456
		Subtotal	3,600	3,600		
		Puget Sound Naval Shipyard Bremerton				458
	252	Dry Dock Utilities Upgrade	1,700	1,700	100	459
		Subtotal	1,700	1,700		
		Naval Station, Everett				461
	089	Carrier Pier Support	11,960	11,960	100	462
	145	Communications Facility	1,650	1,650	100	464
	117	Security and Fire Station	1,750	1,750	100	466
	082	Utilities and Site Improvements	6,790	6,790	100	468
		Subtotal	22,150	22,150		
		Naval Undersea Warfare Engineering Station, Keyport				470
	295	Automated Materials Handling Facility	7,300	7,300	100	471
	309	Fire Station	1,100	1,100	100	473
	337	Submarine Weapons Systems Shop	10,100	10,100	100	475
		Subtotal	18,500	18,500		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Washington (Continued)		Naval Hospital, Oak Harbor				477
	007	Aviation Physiology Training Facility	$ 2,170	$ 2,170	100	478
		Subtotal	2,170	2,170		
		Strategic Weapons Facility Pacific, Silverdale				480
	806	Engineering Services Building	3,500	3,500	100	481
	943	Magazine Modifications	1,600	1,600	70	483
	937	Missile Assembly Building	7,300	7,300	100	485
	809	Motor Inspection Building	8,000	8,000	80	487
	807	Radiographic Inspection Building	13,800	13,800	70	489
	935	Training Facility Addition	7,400	7,400	80	491
	957	Transfer Facility Addition	3,500	3,500	100	493
	808	Utilities and Site Improvements	8,600	8,600	80	495
		Subtotal	53,700	53,700		
		Naval Air Station, Whidbey Island				497
	074	Operational Trainer Facility Addition	1,410	1,410	100	498
	889	Operational and Maintenance Trainer Facility (Increment I)	17,900	17,900	60	500
		Subtotal	19,310	19,310		
		Naval Facility, Whidbey Island				502
	030	Electric Power Improvements	1,550	1,550	100	503
		Subtotal	1,550	1,550		
		TOTAL FOR WASHINGTON	125,690	125,690		
		Subtotal - Military Construction	1,041,566	1,120,614		
		Subtotal - Military Construction for Family Housing	89,780	89,780		
		TOTAL - INSIDE THE UNITED STATES	1,131,346	1,210,394		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
		OUTSIDE THE UNITED STATES				
Bermuda		Naval Air Station				617
	1088	Family Housing Office	$ 374	$ 374	N/A	618
		Subtotal	374	374		
		TOTAL FOR BERMUDA	374	374		
Canada		Naval Facility Argentia Newfoundland				505
	123	Terminal Equipment Building Addition	1,350	1,350	100	506
		Subtotal	1,350	1,350		
		TOTAL FOR CANADA	1,350	1,350		
Cuba		Naval Station, Guantanamo Bay				620
	803	Family Housing	31,669	31,669	N/A	621
		Subtotal	31,669	31,669		
		TOTAL FOR CUBA	31,669	31,669		
Guam		Fleet Surveillance Support Command				508
	002	Electronic Installation	30,000	30,000	50	509
		Subtotal	30,000	30 000		
		Naval Magazine				511
	809	Tomahawk Support Complex	9,000	9,000	100	512
		Subtotal	9,000	9,000		
		Naval Supply Depot				514
	114	Security Improvements	2,900	2,900	100	515
		Subtotal	2,900	2,900		
		TOTAL FOR GUAM	41,900	41,900		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Iceland		Naval Air Station, Keflavik				517
	463	Fuel Facilities	$ 1,030	$ 1,030	100	518
	812	Family Housing	27,200	27,200	N/A	626
		Subtotal	28,230	28,230		
		Naval Communication Station Keflavik				521
	802	Communication Center	4,370	4,370	100	522
		Subtotal	4,370	4,370		
		TOTAL FOR ICELAND	32,600	32,600		
Italy		Naval Communication Station Sicily				524
	305	Receiver Facility	1,750	1,750	100	525
		Subtotal	1,750	1,750		
		Naval Air Station, Sigonella				527
	218	Corrosion Control Hangar	5,400	5,400	100	528
	220	Engine Maintenance Shop Addition	1,960	1,960	100	530
	144	Operations Control Center	5,650	5,650	75	532
		Subtotal	13,010	13,010		
		TOTAL FOR ITALY	14,760	14,760		
Japan		Naval Security Group Activity Hanza, Okinawa				535
	001	Fire Protection System	1,000	1,000	100	569
		Subtotal	1,000	1,000		
		Marine Corps Air Station, Iwakuni				536
	809	Hangar Conversion	3,090	3,090	100	537
	840	Weapons Assembly Area	2,820	2,820	100	539
		Subtotal	5,910	5,910		
		TOTAL FOR JAPAN	6,910	6,910		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Republic of the Philippines		Naval Magazine, Subic Bay				541
	405	Ammunition Segregation Facility	$ 1,900	$ 1,900	100	542
		Subtotal	1,900	1,900		
		TOTAL FOR REPUBLIC OF THE PHILIPPINES	1,900	1,900		
Puerto Rico		Naval Security Group Activity Sabana Seca				544
	069	Operations Building Addition	810	810	80	569
		Subtotal	810	810		
		TOTAL FOR PUERTO RICO	810	810		
Spain		Naval Communication Station, Rota				545
	556	Operations Building Addition	1,740	1,740	100	546
		Subtotal	1,740	1,740		
		TOTAL FOR SPAIN	1,740	1,740		
United Kingdom		Fleet Surveillance Support Command, Brawdy Wales				548
	301	Electronic Installation	3,600	3,600	75	549
		Subtotal	3,600	3,600		
		Personnel Support Activity, London				551
	610	Pay and Personnel Support Office	500	500	100	570
		Subtotal	500	500		
		TOTAL FOR UNITED KINGDOM	4,100	4,100		
		Subtotal - Military Construction	78,870	78,870		
		Subtotal - Military Construction for Family Housing	59,243	59,243		
		TOTAL - OUTSIDE THE UNITED STATES	138,113	138,113		

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Location Project Title	Auth. Request	Approp. Request	% Design As of Jan 90	Page No.
Various		Various Locations				
	090	Host Nation Infrastructure	$ 1,000	$ 1,000	N/A	571
	090	Land Acquisition	7,800	7,800	N/A	552
	VAR	Architectural and Engineering Services and Construction Design (MILCON)	82,499	82,499	N/A	559
		(Family Housing)	1,500	1,500	N/A	660
	VAR	Post Acquisitions Construction (Family Housing Improvements)	45,951	45,951	N/A	631
	091	Unspecified Minor Construction	15,500	15,500	N/A	558
	191	Access Roads	4,017	4,017	N/A	560
		Subtotal	158,267	158,267		
		Subtotal - Military Construction	110,816	110,816		
		Subtotal - Military Construction for Family Housing	47,451	47,451		
Total - FY 1991 Military Construction Program			1,231,252	1,310,300		
Total - FY 1991 Military Construction Family Housing Program			196,474	196,474		
GRAND TOTAL			1,472,726	1,506,774		

MISSION STATUS LIST
NEW OR CURRENT

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Mission Status Index
(Dollars in Thousands)

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
		INSIDE THE UNITED STATES		
NAS Adak, AK	892	Solid Waste Disposal Facility	$ 3,200	C
NSGA Adak, AK	075	Operations Building Addition	2,500	C
MCAS Yuma, AZ	441	Aviation Supply Warehouse	3,000	N
MCAS Camp Pendleton, CA	584	Construction and Weight Handling Equipment Shop	3,900	N
MCB Camp Pendleton, CA	229	Electronics Communications Maintenance Shop	5,900	C
	977	Mess Hall	3,600	C
	996	Military Operations in Urbanized Terrain	15,500	C
	890	Family Housing	11,750	C
NH Camp Pendleton CA	427	Environmental Health & Industrial Hygiene Facility	1,050	C
NWC China Lake, CA	431	Advanced Weapons Laboratory	17,500	N
NWS Concord, CA	284	Advance Weapons Facility	6,500	N
	292	Railroad and Vehicular Bridges and Land Acquisition	10,000	C
NAB Coronado, CA	142	Amphibious Operations Facility	3,200	C
	179	Desert Operations Facility	6,000	N
	180	Maritime Training Facility	2,200	N
	150	Waterfront Maintenance and Operations Facility	8,400	C
NAF El Centro, CA	205	Aircraft Direct Fueling Station	1,350	C
	202	Ordnance Facility	7,700	C
MCAS, El Toro, CA	594	Aircraft Parking Apron	4,900	N
	381	Data Processing Center	3,950	C
	393	Maintenance Hangar Additions	6,600	N
	595	Operational Trainer Facility	8,100	N
NAS Lemoore, CA	074	Battery Shop	420	C
	888	Weapons School Addition	900	N
NSY Long Beach, CA	235	Asbestos Removal Shop	500	C
NS Long Beach, CA	203	Physical Fitness Facilities	5,800	N
	201	Wharf Utilities Upgrade	3,500	N
	614	Family Housing	24,900	C
NAS Miramar, CA	346	Topgun Academic Facility	4,600	C
	888	Weapons School Addition	900	N

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Mission Status Index
(Dollars in Thousands)

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
NPGS Monterey, CA	129	Building Conversion and Seismic Upgrade	$ 3,200	C
	137	Child Care Center	2,100	C
	151	Gymnasium	3,970	C
	161	Lecture Hall Addition and Seismic Upgrade	2,180	C
	146	Public Works Complex	4,600	C
NAS North Island, CA	573	High Explosive Magazines	1,500	C
PMTC Point Mugu, CA	063	Security Improvements	2,060	C
	0187	Family Housing Office	480	C
NSWSES Port Hueneme CA	012	Weapon Systems Integration Laboratory	10,100	C
NCBC Port Hueneme, CA	474	Electrical Distribution System Improvement	2,000	C
FASWTCPAC San Diego, CA	228	Applied Instruction Building Addition	2,100	C
FCTCPAC San Diego, CA	034	Applied Instruction Building Addition	620	C
	033	Bachelor Enlisted Quarters and Mess Hall	14,640	C
NH San Diego, CA	606	Parking Structure	1,500	C
NOSC San Diego, CA	095	Combined Research Laboratory	11,700	C
NS San Diego, CA	224	Brig	8,430	C
NSB San Diego , CA	048	Bachelor Enlisted Quarters	15,670	C
	092	Oily Waste System	440	C
NSC San Diego, CA	086	Cold Storage Warehouse	6,340	C
NTC San Diego, CA	191	Barracks	5,600	C
	349	Child Care Center	2,350	C
	347	Small Arms Range	4,000	C
NPWC San Diego, CA	116	Electrical Distribution System Upgrade	9,000	C
	072	Public Works Shop	8,900	C
	149	Steam Distribution System Improvements	3,300	C
	815	Family Housing	31,850	C
NPWC San Francisco, CA	061	Public Works Shop	11,200	C
NWS Seal Beach, CA	171	Weapons Testing and Evaluation Facility	8,830	C
NSGA Skaggs Island, CA	073	Potable Water System	1,472	C

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Mission Status Index
(Dollars in Thousands)

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
MCAGCC Twentynine Palms, CA	428	Field Maintenance Shop	$ 3,600	C
	470	Industrial Wastewater Treatment Facilities	2,200	C
	447	Potable Water Storage Tank	4,300	C
NSB New London, CT	130	Bachelor Officer Quarters Modernization	4,700	C
	413	Quaywall Replacement	9,100	C
	391	Steam Turbine Generator	4,700	C
	424	Thames River Dredging	7,770	N
NSS New London, CT	398	Operational Trainer Facility	15,000	N
NRL Washington, DC	115	Electro-Optics Research Laboratory	9,800	C
NAS Cecil Field, FL	212	Centrifuge Trainer	2,010	N
	831	Sanitary Wastewater System Upgrade	2,000	C
NAS Jacksonville, FL	174	Anti-Submarine Warfare Training Facility	2,800	C
	188	Wastewater System Improvements	6,300	C
NH Jacksonville, FL	510	Medical Warehouse Addition	940	N
NAS Key West, FL	620	Explosive Ordnance Disposal Mobile Unit Facility	3,000	N
	636	Joint Air Reconnaissance Control Center Addition	4,000	C
FTC Mayport, FL	168	Fire Fighting Training Facility	5,300	C
NS Mayport, FL	830	Water Storage Tanks	3,600	C
NTC Orlando, FL	200	Barracks	10,910	C
	202	Cold Storage Warehouse	1,400	C
	240	Mess Hall	7,040	C
NCSC Panama City, FL	301	Computation and Analysis Laboratory Addition	5,300	C
NSC Pensacola, FL	271	Cold Storage Warehouse	6,100	N
NPWC Pensacola, FL	111	Water and Sewer Pipelines Separation	3,440	C
MCLB Albany, GA	310	Calibration Equipment Test Facility	3,250	C
	605	Industrial Waste Treatment Plant Improvements	2,600	C
NSB Kings Bay, GA	418	Bachelor Enlisted Quarters	7,200	N
	364	Explosives Handling Wharf	56,400	N
	420	Small Ordnance Magazine	620	N
	414	Trident Training Facility Addition	4,900	N
NM Lualualei, HI	117	Electrical Distribution Lines Relocation	1,400	C
COMOCEANSYSPAC Pearl Harbor, HI	417	Surtass Support Center	10,200	N
NSB Pearl Harbor, HI	114	Electrical Distribution System Improvements	2,000	C

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Mission Status Index
(Dollars in Thousands)

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
NSC Pearl Harbor, HI	133	Road	$ 1,500	C
NPWC Pearl Harbor, HI	504	Automotive Vehicle Maintenance Shop	6,900	C
NTC Great Lakes, IL	471	Fireman Apprentice Training School	2,800	C
NPWC Great Lakes, IL	538	Electrical Distribution System Improvements	1,100	C
	378	Storm Sewer System Improvements	700	C
NWSC Crane, IN	224	Electronics Communications Maintenance Shop	4,000	C
	244	Mechanized Materials Management Facility	4,900	C
NOS Louisville, KY	215	Phalanx Shop Modernization	5,400	C
Portsmouth NSY, Kittery, ME	228	Dry Dock Modernization and Cover (Increment I)	30,500	N
NAVACAD Annapolis, MD	259	Bancroft Hall Expansion (Phase II)	24,000	C
NH Bethesda, MD	912	Bachelor Enlisted Quarters	9,000	C
NOS Indian Head, MD	963	Industrial Wastewater Treatment Facilities	6,400	C
NATC Patuxent River, MD	420	Security Improvements	3,000	C
NH Patuxent River, MD	903	Aviation Physiology Training Facility	2,250	C
NESEA St. Inigoes, MD	723	FACSFAC Electronic Systems Integration	3,900	C
NAVINTELCOMHDQTRS Suitland, MD	001A	Headquarters Building (Increment II)	55,048	C
NAVOCEANOCOMFAC Bay St. Louis, MS	001	Oceanographic Building	1,700	C
NCBC Gulfport, MS	745	Controlled Humidity Warehouse	6,900	C
NCTC Gulfport, MS	716	Applied Instruction Building	1,500	C
	723	Barracks	7,100	C
NAS Fallon NV	282	Range Air Surveillance System	3,340	C
NWS Earle, NJ	949	Trestles Replacement (Increment I)	20,000	C
NAVORDMISTESTSTA White Sands, NM	005	Gun Test Range	600	C
DIRFIRSTMARCORPSDIST Garden City, NY	002	Physical Security Improvements	440	C
NS New York, NY	801	Family Housing	19,600	N
MCB Camp Lejeune, NC	630	Bachelor Enlisted Quarters	13,580	C
	679	Electronics Communications Maintenance Shops	4,100	C
	804	Field Maintenance Complex	20,900	C
	810	Mechanics Training Building (Increment III)	3,000	C

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Mission Status Index
(Dollars in Thousands)

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
MCAS Cherry Point, NC	031	Aircraft Bombing Range	$ 1,050	C
	883	Regimental Group Headquarters	1,750	C
	017	Water Treatment Facility	7,600	C
NS Philadelphia, PA	521	Brig	5,100	C
NADC Warminster, PA	163	Aircraft Technologies Laboratory	13,700	C
NETC Newport, RI	146	Steam Distribution System Upgrade	6,350	C
NUSC Newport, RI	034	Guided Missile Laboratory	4,000	N
MCAS Beaufort, SC	366	Bachelor Enlisted Quarters	6,500	C
NH Charleston, SC	229	Emergency Water Storage Tank	550	C
NSY Charleston, SC	800	Water Treatment Facility	500	C
NS Charleston, SC	699	Boat Shop	1,900	C
	747	Pay and Personnel Support Office Addition	500	C
NSC Charleston, SC	058	Fleet Supply Support Store	3,200	C
NWS Charleston, SC	784	Missile Magazine	1,090	C
	869	Propulsion Training Facility	25,000	C
	823	SEALANCE Missile Maintenance Facility	9,400	N
MCRD Parris Island, SC	118	Clothing Issue Building	3,400	C
NAS Corpus Christi, TX	270	Airfield Lighting	4,700	C
NTTCDET Lackland AFB, TX	002	Bachelor Enlisted Quarters	11,800	C
HQTRSMARCORPS Arlington, VA	006	General Purpose Warehouse	2,800	C
MCDET Camp Elmore, VA	801	Operations Center	2,850	C
NAVSPASURSYS Dahlgren, VA	249	Space Surveillance Center	9,800	C
FLTCOMDIRSYSSUPPACT Dam Neck, VA	983	Computer Programming Operations Center Addition	6,330	C
MARENVIRSYSFAC Dam Neck, VA	335	Operations and Maintenance Facilities	8,000	N
NAB Little Creek, VA	337	Landing Craft Air Cushion Complex (Increment II)	12,400	N
	204	Surface Warfare Development Group Operations Facility	2,200	C
	418	SURTASS Support Center Addition	7,250	N
	0288	Family Housing Community Center	370	C
NAVPHIBSCOL Little Creek, VA	366	Landing Craft Air Cushion Training Facility	1,440	N
	360	Training Materials Storage	800	C
FTC Norfolk, VA	179	Electrical Trades Training Building Addition	6,000	C
	180	Fire Fighting Training Facility	12,000	C
NAVCAMSLANT Norfolk, VA	141	Communication Center Addition	5,370	C

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Mission Status Index
(Dollars in Thousands)

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
NS Norfolk, VA	834	Electric Power Upgrade	$ 9,000	C
NSC Norfolk, VA	444	General Warehouse	6,400	C
NPWC Norfolk, VA	236	Fuel Line	3,130	C
	5079	Family Housing Community Center	415	C
	2084	Family Housing Community Center	415	C
NAS Oceana, VA	178	Weapons System Trainer Building Addition	3,150	N
SIMA Portsmouth, VA	320	Shore Intermediate Maintenance Facility	12,094	C
MCCDC Quantico, VA	402	Combat Development Center	16,000	C
	408	Military Operations in Urbanized Terrain	3,850	C
NRL Annex, Quantico, VA	148	Midway Research Center Upgrade	2,600	N
NSWC Wallops Island, VA	327	AEGIS Command and Life Support Facility	5,460	C
TRIDENTREFITFAC Bangor, WA	057	Crane Trackage Extension	910	C
	050	Hazardous and Flammable Storehouse	2,100	C
TRIDENTTRAINFAC Bangor, WA	993	Fire Fighting Training Facility	3,600	C
Puget Sound NSY Bremerton, WA	252	Dry Dock Utilities Upgrade	1,700	C
NS Everett, WA	089	Carrier Pier Support	11,960	N
	145	Communications Facility	1,650	N
	117	Security and Fire Station	1,750	N
	082	Utilities and Site Improvements	6,790	N
NUWES Keyport, WA	295	Automated Materials Handling Facility	7,300	C
	309	Fire Station	1,100	C
	337	Submarine Weapons Systems Shop	10,100	C
NH Oak Harbor, WA	007	Aviation Physiology Training Facility	2,170	C
STRAWEAPFACPAC Silverdale, WA	806	Engineering Services Building	3,500	N
	943	Magazine Modifications	1,600	N
	937	Missile Assembly Building	7,300	N
	809	Motor Inspection Building	8,000	N
	807	Radiographic Inspection Building	13,800	N
	935	Training Facility Addition	7,400	N
	957	Transfer Facility Addition	3,500	N
	808	Utilities and Site Improvements	8,600	N
NAS Whidbey Island, WA	074	Operational Trainer Facility Addition	1,410	N
	889	Operational and Maintenance Trainer Facility (Increment I)	17,900	N
NF Whidbey Island, WA	030	Electric Power Improvements	1,550	C

Department of the Navy
FY 1991 Military Construction and Family Housing Program
Mission Status Index
(Dollars in Thousands)

Installation/ Location	Proj. No.	Project Title	Cost ($000)	New or Current
		OUTSIDE THE UNITED STATES		
NAS Bermuda	1088	Family Housing Office	$ 374	C
NF Argentia Newfoundland, CD	123	Terminal Equipment Building Addition	1,350	C
NS Guantanamo Bay, CU	803	Family Housing	31,669	C
FLTSURSUPPCOM, GU	002	Electronic Installation	30,000	N
NM, GU	809	Tomahawk Support Complex	9,000	N
NSD, GU	114	Security Improvements	2,900	C
NAS Keflavik, IC	463	Fuel Facilities	1,030	C
	812	Family Housing	27,200	C
NCS Keflavik, IC	802	Communication Center	4,370	C
NCS Sicily, IT	305	Receiver Facility	1,750	C
NAS Sigonella, IT	218	Corrosion Control Hangar	5,400	C
	220	Engine Maintenance Shop Addition	1,960	C
	144	Operations Control Center	5,650	C
NSGA Hanza, Okinawa JA	001	Fire Protection System	1,000	C
MCAS Iwakuni, JA	809	Hangar Conversion	3,090	C
	840	Weapons Assembly Area	2,820	N
NM Subic Bay, RP	405	Ammunition Segregation Facility	1,900	C
NSGA Sabana Seca, PR	069	Operations Building Addition	810	C
NCS Rota, SP	556	Operations Building Addition	1,740	C
FLTSURSUPPCOM Brawdy Wales, UK	301	Electronic Installation	3,600	N
PERSUPACT London, UK	610	Pay and Personnel Support Office	500	C
Various Locations	090	Host Nation Infrastructure	1,000	N/A
	090	Land Acquisition	7,800	N/A
	105	Architectural and Engineering Services and Construction Design (MILCON)	82,499	N/A
		(Family Housing)	1,500	N/A
	VAR	Post Acquisitions Construction (Family Housing Improvements)	45,951	N/A
	090	Unspecified Minor Construction	15,500	N/A
	190	Access Roads	4,017	N/A
Total - Various Locations			158,267	
Total - Current Mission			925,647	
Total - New Mission			422,860	
Total - FY 1990 Military Construction and Family Housing Program			1,506,774	

INSTALLATION INDEX

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

INSTALLATIONS INDEX

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

INSTALLATIONS INDEX

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

INSTALLATIONS INDEX

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

INSTALLATIONS INDEX

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

INSTALLATIONS INDEX

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, ($1,576,516,000, of which amount, $38,080,000 for the TACAMO mission shall not be available for obligation or expenditure before October 15, 1988, and, of the amount appropriated, funds allocated for homeporting at Everett, Washington may be obligated and expended for any homeporting military construction activity at that installation, except actual dredging and disposal of contaminated sediment, and that such funds may be expended for actual dredging and disposal of contaminated sediments once requirements of the Federal Water Pollution Control Act have been satisfied) $1,142,100,000, to remain available until September 30, (1993) 1994: Provided, That of this amount, not to exceed ($129,000,000) $84,970,000 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.

Further, for the foregoing purposes, $1,310,300.00, to become available for obligation on October 1, 1990 and to remain available for obligation until September 30, 1995: Provided, That of this amount, not to exceed $82,499,000 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. (10 U.S.C. 2675, 2802-05, 2807, 2828, 2851-54, 2857; Military Construction Appropriations Act, 1989; additional authorizing legislation to be proposed.)

Military Construction, Navy
Program and Financing (In thousands of dollars) FISCAL YEAR 1984

Identification code 17-1205-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)				Obligations			
	1988 actual	1989 est	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construction					56,941			
00 0201 Minor construction					580			
00 0301 Planning					3			
00 0401 Supporting activities					472			
10 0001 Total					57,996			
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)					347			
14 0001 Non-Federal sources( )					44			
17 0001 Recovery of prior year obligations					-391			
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-58,654			
21 4007 Reprograming from/to prior year budget plans	-658							
25.0001 Unobligated balance lapsing	658				658			
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 progressed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construction					43,853	25,477		
00.0201 Minor construction					111	710		
00.0301 Planning					40	6		
00.0401 Supporting activities					536	189		
00.9101 Total direct program					44,040	26,382		
01.0101 Reimbursable program					10			
10.0001 Total					44,050	26,382		
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)					261			
14.0001 Non-Federal sources(-)					-11			
17.0001 Recovery of prior year obligations					-261			
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-71,221	-26,382		
21.4003 Available to finance new budget plans	-6,800				-6,800			
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					26,382			
40.0017 Budget authority (Appropriation rescinded) (	6,800				-6,800			

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			
	1988 actual	1989 est	1990 est.	1991 est	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construction					55,819	41,715	26,175	
00.0201 Minor construction					124	438	329	
00.0301 Planning					9	42	31	
00.0401 Supporting activities					748	662	497	
00.0101 Total direct program					56,700	42,857	27,032	
01.0101 Reimbursable program					100			
10.0001 Total					56,800	42,857	27,032	
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)					2,130			
14.0001 Non-Federal sources(-)					-83			
17.0001 Recovery of prior year obligations					-2,148			
Unobligated balance available, start of year:					-126,580	-68,880	-27,032	
21.4002 For completion of prior year budget plans	-24,345				-24,345			
21.4003 Available to finance new budget plans	4,945				4,945			
22.4001 Unobligated balance transferred to other accounts								
Unobligated balance available, end of year:					69,889	27,032		
24.4002 For completion of prior year budget plans								
40.0017 Budget authority (Appropriation rescinded) (	-19,400				-19,400			

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			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construction					43,657	35,813	24,011	24,532
00.0201 Minor construction					463	718	643	434
00.0301 Planning					397	183	164	112
00.0401 Supporting activities					1,407	1,919	823	556
00.9101 Total direct program					45,924	38,633	25,641	25,634
01.0101 Reimbursable program					17,124			
10.0001 Total					63,048	38,633	25,641	25,634
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)					-12,602			
14.0001 Non-federal sources(-)					-2,678			
17.0001 Recovery of prior year obligations					-1,845			
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-135,633	-88,908	-51,275	-25,634
21.4003 Available to finance new budget plans	-210				-210			
21.4007 Reprograming from/to prior year budget plans	198							
22.4001 Unobligated balance transferred to other accounts	210				210			
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					88,908	51,275	25,634	
42.0001 Budget authority (Transferred from other acc	198				198			

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			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construction	1,267,654				1,097,626	62,270	54,097	26,668
00.0201 Minor construction	16,500				14,438	1,388	160	460
00.0301 Planning	130,000				129,635	365		
00.9101 Total direct program	1,414,154				1,241,697	64,023	54,257	27,128
01.0101 Reimbursable program	394,404				394,404			
10.0001 Total	1,808,558				1,636,101	64,023	54,257	27,128
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)	-203,586				-203,586			
14.0001 Non-Federal sources(-)	-190,818				-190,818			
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans						-172,457	-108,434	-54,177
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					172,457	108,434	54,177	27,049
39.0001 Budget authority	1,414,154				1,414,154			
Budget authority:								
40.0001 Appropriation	1,417,311				1,417,311			
41.0001 Transferred to other accounts(-)	-35,019				-35,019			
42.0001 Transferred from other accounts	31,862				31,862			
43.0001 Appropriation (adjusted)	1,414,154				1,414,154			

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 progremed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construct		1,419,397				1,269,881	45,942	49,639
00 Minor constructio		16,300				11,655	2,853	652
00 Planning		129,000				98,867	24,198	5,531
00 Supporting activ		11,819				8,451	2,068	473
00.91 Total direct progra		1,576,516				1,388,884	75,061	56,295
01.0101 Reimbursable program		300,000				300,000		
10.0001 Total		1,876,516				1,688,884	75,061	56,295
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:							-187,652	-112,591
21.4002 For completion of prior year budget plans						187,652	112,591	56,296
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans		1,576,516				1,576,516		
40.0001 Budget authority (Appropriation)								

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			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construction			1,037,320				913,987	38,636
00.0201 Minor construction			14,000				10,155	2,975
00.0301 Planning			84,970				69,909	14,827
00.0401 Supporting activities			5,810				3,839	1,246
00.9101 Total direct program			1,142,100				997,890	57,684
01.0101 Reimbursable program			300,000				300,000	
10.0001 Total			1,442,100				1,297,890	57,684
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:								-144,210
21.4002 For completion of prior year budget plans							144,210	86,526
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans			1,142,100				1,142,100	
40.0001 Budget authority (Appropriation)								

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 progressed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construction				1,208,284				1,059,098
00.0201 Minor construction				15,500				13,228
00.0301 Planning				82,499				74,074
00.0401 Supporting activities				4,017				2,872
00.9101 Total direct program				1,310,300				1,149,270
01 0101 Reimbursable program				300,000				300,000
10.0001 Total				1,610,300				1,449,270
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								161,030
40.0001 Budget authority (Appropriation)				1,310,300				1,310,300

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			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
00.0101 Major construction	1,267,654	1,419,397	1,037,320	1,208,284	1,297,896	1,435,186	1,064,212	1,189,571
00.0201 Minor construction	16,500	18,300	14,000	15,500	18,014	14,909	14,140	17,749
00.0301 Planning	130,000	120,000	84,870	82,499	130,084	99,463	94,302	94,544
00.0401 Supporting activities		11,819	5,810	4,017	3,163	11,221	7,227	5,147
00.0101 Total direct program	1,414,154	1,576,516	1,142,100	1,310,300	1,447,157	1,560,759	1,179,881	1,316,011
01.0101 Reimbursable program	394,404	300,000	300,000	300,000	411,638	300,000	300,000	300,000
10.0001 Total	1,808,558	1,876,516	1,442,100	1,610,300	1,858,795	1,860,759	1,479,881	1,616,011
Financing:								
Offsetting collections from:								
11.0001 Federal funds(-)	-203,586	-204,800	-204,800	-204,800	-213,450	-204,800	-204,860	-204,800
14.0001 Non-Federal sources(-)	-190,818	-95,700	-95,200	-95,700	-193,548	-95,200	-95,200	-95,200
17.0001 Recovery of prior year obligations					-4,843			
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-382,088	-358,636	-374,383	-336,612
21.4003 Available to finance new budget plans	-31,355				-31,355			
21.4007 Reprograming from/to prior year budget plans	-460							
22.4001 Unobligated balance transferred to other accounts	5,155				5,155			
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					358,636	374,383	336,612	330,631
25.0001 Unobligated balance lapsing	658				658			
39.0001 Budget authority	1,388,152	1,576,516	1,142,100	1,310,300	1,388,152	1,576,516	1,142,100	1,310,300
Budget authority:								
40.0001 Appropriation	1,417,311	1,576,516	1,142,100	1,310,300	1,417,311	1,576,516	1,142,100	1,310,300
40.0017 Appropriation rescinded (unobligated balance)	-26,200				-26,200			
41.0001 Transferred to other accounts(-)	-35,019				-35,019			
42.0001 Transferred from other accounts	32,060				32,060			
43.0001 Appropriation (adjusted)	1,388,152	1,576,516	1,142,100	1,310,300	1,388,152	1,576,516	1,142,100	1,310,300
Relation of obligations to outlays:								
71.0001 Obligations incurred, net					1,451,799	1,560,759	1,179,881	1,316,011
72.4001 Obligated balance, start of year					1,797,788	1,538,940	1,570,299	1,328,080
74.4001 Obligated balance, end of year					-1,536,940	-1,570,299	-1 328,080	-1,368,191
77.0001 Adjustments in expired accounts					1,518			
78.0001 Adjustments in unexpired accounts					-4,843			
90.0001 Outlays					1,709,524	1,527,400	1,422,100	1,284,900

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

Identification code 17-1205 0 1 051		1988 actual	1989 est.	1990 est.	1991 est.
	Direct obligations:				
	Personnel compensation:				
111.101	Full-time permanent	81,753	88,667	95,042	96,389
111.301	Other than full-time permanent	5,352	7,442	3,565	3,726
111.501	Other personnel compensation	2,428	2,847	3,500	3,550
111.901	Total personnel compensation	89,533	98,956	102,107	103,675
112.101	Personnel Benefits: Civilian personnel	17,506	17,302	17,035	17,322
113.001	Benefits for former personnel	385			
121.001	Travel and transportation of persons	4,878	5,244	5,258	5,272
122.001	Transportation of things	1,533	2,803	2,377	2,277
123.201	Rental payments to others	5,251	8,464	5,489	5,256
124.001	Printing and reproduction	2,912	1,461	1,277	1,238
	Other services:				
125.001	Payments to foreign national indirect hire personnel	2,185	1,146	1,291	1,271
125.003	Contracts	34,057	34,131	26,138	24,524
126.001	Supplies and materials	2,282	2,401	2,042	1,955
131.001	Equipment	2,182	1,846	1,589	1,536
132.001	Land and structures	1,281,309	1,377,785	1,008,051	1,148,536
199.001	Total Direct obligations	1,443,994	1,548,539	1,172,854	1,310,864
	Reimbursable obligations:				
	Personnel Compensation:				
211.101	Full-time permanent	19,787	14,195	13,715	14,603
211.301	Other than full-time permanent	1,870	969	1,011	800
211.501	Other personnel compensation	596	486	545	582
211.901	Total personnel compensation	22,183	15,650	15,271	15,985
212.101	Personnel Benefits: Civilian Personnel	4,239	2,772	2,586	2,711
221.001	Travel and transportation of persons	647	550	550	550
222.001	Transportation of things	32	28	28	28
223.201	Rental payments to others	116	116	116	116
224.001	Printing and reproduction	3,648	2,800	2,800	2,800
	Other services:				
225.003	Contracts	1,282	1,020	1,020	1,020
226.001	Supplies and materials	80	60	60	60
231.001	Equipment	105	100	100	100
232.001	Land and structures	379,305	278,904	277,460	276,000
299.001	Total Reimbursable obligations	411,638	300,000	300,000	300,000
	Allocation Accounts				
	Personnel compensation:				
311.101	Full-time permanent	22	24	24	28
311.301	Other than full-time permanent	11	11	11	11
311.501	Other personnel compensation	5	5	5	5
311.901	Total personnel compensation	38	40	40	42

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

Identification code 17-1205-0-1-051

		1988 actual	1989 est.	1990 est.	1991 est.
312.101	Personnel benefits: Civilian personnel	4	4	4	4
321.001	Travel and transportation of persons	23	24	24	24
322.001	Transportation of things	12	12	12	12
	Other services:	125	125	125	125
325.004	Other	4	4	4	4
326.001	Supplies and materials	2,957	11,012	7,018	4,036
332.001	Land and structures	3,163	11,221	7,227	5,147
399.001	Total Allocation Accounts	1,850,795	1,860,750	1,479,881	1,816,011
999.001	Total obligations	1,855,632	1,849,538	1,472,654	1,810,864
	Obligations are distributed as follows:	3,163	11,221	7,227	5,147
	Defense-Military:Navy	1,850,795	1,860,750	1,479,881	1,816,011
	Department of Transportation				
	Total Obligations				

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.

Special Program Considerations (Continued)

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

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

Congressional Report Requirements
Include the project for modernization and dry dock cover at the Portsmouth NSY, Kittery, ME in the FY 1990/1991 budget request. SASC Report 100-326, dated May 4, 1988, page 147. This project, P-228, is in the FY 1991 budget request.

Special Operating Forces
The total amount for special operating forces projects in the FY 1991 budget request is $8,200,000 and includes the following projects:

PROJECT	LOCATION	AMOUNT REQUESTED ($000)
Maritime Training Facility	NAB Coronado, CA	2,200
Desert Operations Facility	NAB Coronado, CA	6,000

"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 09/30/88	74	928	177	0	0	0	101	455	0	1735
b. END FY 1994	90	1083	177	0	0	0	105	491	0	1846

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(52,181)	
b. INVENTORY TOTAL AS OF 30 SEP 88		329,760
c. AUTHORIZATION NOT YET IN INVENTORY		43,470
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		8,250
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,920
g. REMAINING DEFICIENCY		56,600
h. GRAND TOTAL		452,200

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	3,200	11/88	01/90
	TOTAL		3,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
721.11	BEQ MODERNIZATION	43,520 SF	8,250
	TOTAL		8,250
B. MAJOR PLANNED NEXT THREE YEARS:			
141.25	FIRE STATION	17,510 SF	7,120
134.70	EHF STA COM TERM BLDG	LS	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. Supports a Naval Oceanographic Facility.

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 09/30/88	16	449	11	0	0	0	0	0	0	476
b. END FY 1994	22	550	11	0	0	0	0	0	0	583

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,820)	
b. INVENTORY TOTAL AS OF 30 SEP 88		65,500
c. AUTHORIZATION NOT YET IN INVENTORY		17,460
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		11,000
g. REMAINING DEFICIENCY		42,800
h. GRAND TOTAL		142,460

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	2,500	11/88	01/90
	TOTAL		2,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
143.80	CLASSIC WIZARD	8,000 SF	3,200
	TOTAL		3,200
B. MAJOR PLANNED NEXT THREE YEARS:			
132.10	LF ANTENNA REPLACEMENT	LS	11,000

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
0305896N	131.55	P-075	2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS BUILDING ADDITION	SF	1,200	-	800
BUILDING ADDITION	SF	1,200	575.00	(690)
BUILT-IN EQUIPMENT	LS	-	-	(110)
SUPPORTING FACILITIES	-	-	-	1,460
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(800)
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT	LS	-	-	(150)
SUBTOTAL	-	-	-	2,260
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST	-	-	-	2,370
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	130
TOTAL REQUEST	-	-	-	2,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete building addition, pile foundation, ventilation, utilities; fire protection system to include the entire building.

11. REQUIREMENT: 37,500 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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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:

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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: 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
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 09/30/88	420	3835	344	78	25	0	143	1522	0	6367
b. END FY 1994	166	867	533	150	25	0	462	3609	415	6227

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(462.599)	
b. INVENTORY TOTAL AS OF 30 SEP 88		122,360
c. AUTHORIZATION NOT YET IN INVENTORY		33,480
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		13,660
f. PLANNED IN NEXT THREE PROGRAM YEARS		33,000
g. REMAINING DEFICIENCY		96,580
h. GRAND TOTAL		302,080

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	3,000	11/88	01/90
	TOTAL		3,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
136.45	WHEEL WATCH/WAVEOFF FAC	LS	800
211.05	MAINTENANCE HANGAR	37,300 SF	12,240
740.43	PHYSICAL FITNESS CTR ADDN	3,730 SF	620
	TOTAL		13,660
B. MAJOR PLANNED NEXT THREE YEARS:			
116.35	ARM/DE-ARMING PADS	25,200 SY	2,000
211.05	AIRCRAFT MAINT HANGAR	LS	10,000

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 PROJECT DATA	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	3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION SUPPLY WAREHOUSE.	SF	46,390	-	2,360
BUILDING-GENERAL STORAGE	SF	44,390	47.00	(2,090)
HAZARDOUS AND FLAMMABLE STORAGE.	SF	2,000	135.00	(270)
SUPPORTING FACILITIES.	-	-	-	350
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(200)
DEMOLITION	LS	-	-	(100)
SUBTOTAL	-	-	-	2,710
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,000
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, 12-foot stacking height, administrative space sound attenuated and air conditioned, fire protection system, utilities; demolition of three buildings.

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 AV-8B tactical squadrons and a full 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 PROJECT DATA	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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(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 appropriation: None.

S/N 0102-LF-001-3915

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 09/30/88	7	64	10	0	0	0	225	1266	10	1582
b. END FY 1994	5	106	2	124	72	0	529	2879	0	3717

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(411)	
b. INVENTORY TOTAL AS OF 30 SEP 88		29,980
c. AUTHORIZATION NOT YET IN INVENTORY		26,940
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,080
f. PLANNED IN NEXT THREE PROGRAM YEARS		6,960
g. REMAINING DEFICIENCY		23,680
h. GRAND TOTAL		95,540

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	3,900	04/88	09/89
	TOTAL		3,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
141.20	AC FIRE & RESC STA ADDN	1,980 SF	580
171.35	OPERATIONAL TRAINER	LS	1,000
610.71	GROUP HQTRS BLDG	12,550 SF	2,500
	TOTAL		4,080
B. MAJOR PLANNED NEXT THREE YEARS:			
143.47	ALERT FORCE BLDG	LS	450
211.85	LINE MAINTENANCE SHELTER	5,000 SF	410

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CAMP PENDLETON, 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	3,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSTRUCTION AND WEIGHT HANDLING EQUIP SHOP.	SF	25,390	85.00	2,160
SUPPORTING FACILITIES.	-	-	-	1,360
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,020)
SUBTOTAL	-	-	-	3,520
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,900
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
CONSTRUCTION AND WEIGHT HANDLING EQUIPMENT SHOP	P-584

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	4-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	11-88
(d)	Date Design Complete	9-89

(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
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 09/30/88	594	3731	3578	0	900	0	2598	33645	722	45768
b. END FY 1994	609	3303	1989	66	3964	0	1991	26515	2197	40634

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(186,021)	
b. INVENTORY TOTAL AS OF 30 SEP 88		552,650
c. AUTHORIZATION NOT YET IN INVENTORY		141,580
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		25,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		31,940
f. PLANNED IN NEXT THREE PROGRAM YEARS		24,750
g. REMAINING DEFICIENCY		228,780
h. GRAND TOTAL		1,004,700

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	MIL OPS IN URBANIZED TERRN	LS	15,500	12/88	06/90
217.10	ELECS/COMM MAINT SHOP	37,810 SF	5,900	11/88	01/90
722.10	MESS HALL	17,200 SF	3,600	11/88	01/90
	TOTAL		25,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

143.45	BWT SUPT FACS (SAN ONOFRE)	LS	750
143.45	ARMORY (PULGAS)	LS	340
171.35	BASIC WARRIOR TRAINING	LS	14,000
179.50	CBT TRNG AREA (SAN ONOFRE)	LS	1,750
214.51	AUTO ORGANIZATIONAL SHOP	LS	6,100
721.45	MESS HALL EXPANSION	LS	1,300
813.20	ELEC UPGRD-HAYBARN CANYON	LS	7,700
	TOTAL		31,940

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORP 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	5,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP.	SF	37,810	-	4,400
ELECTRONICS COMMUNICATIONS SHOP.	SF	24,500	114.00	(2,800)
TACTICAL VEHICLE SHOP.	SF	13,310	120.00	(1,600)
SUPPORTING FACILITIES.	-	-	-	920
ELECTRICAL UTILITIES	LS	-	-	(170)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
DEMOLITION AND REMOVAL	LS	-	-	(450)
SUBTOTAL	-	-	-	5,320
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST.	-	-	-	5,590
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	310
TOTAL REQUEST.	-	-	-	5,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two one-story reinforced concrete and masonry buildings, metal roofing, concrete foundations and floors, overhead cranes, fire protection system, energy monitoring and control system, ventilation, utilities; demolition of two buildings, removal of contaminated underground tanks, soils, and asbestos.

11. REQUIREMENT: 37,810 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

11. REQUIREMENT: (Continued)
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.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (245)
- (c) Total..... 545
- (d) Contract..... (455)
- (e) In-house..... (90)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	3,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MESS HALL.	SF	17,200	158.00	2,720
SUPPORTING FACILITIES.	-	-	-	530
UTILITIES.	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(390)
SUBTOTAL	-	-	-	3,250
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,410
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	190
TOTAL REQUEST.	-	-	-	3,600
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(350)
(e)	In-house	(50)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	15,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY OPERATIONS IN URBANIZED TERRAIN . .	LS	-	-	13,420
TRAINING MOCK-UPS.	SF	141,300	95.00	(13,420)
SUPPORTING FACILITIES.	-	-	-	570
UTILITIES.	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(420)
SUBTOTAL	-	-	-	13,990
CONTINGENCY (5%)	-	-	-	700
TOTAL CONTRACT COST.	-	-	-	14,690
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	810
TOTAL REQUEST.	-	-	-	15,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct combat training complex, 16 in-tact and 16 rubble concrete and masonry buildings, paving, bridges, land and street-scape elements, staging area, access road, helicopter landing pad, utilities.

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 guerrilla 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,

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
CURRENT SITUATION: (Continued)
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.
IMPACT IF NOT PROVIDED: Large unit training in urban guerrilla 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 status: (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..... 7-89
- (d) Date Design Complete..... 6-90

(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..... (700)
- (b) All Other Design Costs..... (680)
- (c) Total..... 1380
- (d) Contract..... (1250)
- (e) In-house..... (130)

(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 HOSPITAL, CAMP PENDLETON, CALIFORNIA	NAVAL MEDICAL COMMAND	1.12

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	262	574	423	2	1	0	0	0	0	1262
b. END FY 1994	263	536	423	2	1	0	0	0	0	1225

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(187)	
b. INVENTORY TOTAL AS OF 30 SEP 88		21,960
c. AUTHORIZATION NOT YET IN INVENTORY		2,820
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,050
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,000
g. REMAINING DEFICIENCY		2,700
h. GRAND TOTAL		30,530

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.25	ENV HLTH & IND HYGIENE FAC	6,900 SF	1,050	02/89	01/90
	TOTAL		1,050		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACHELOR ENLISTED QUARTERS	LS	2,000

10. MISSION OR MAJOR FUNCTIONS:

Provide general clinical hospitalization for active duty Navy and Marine Corps personnel, active duty members of the 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, CAMP PENDLETON, CALIFORNIA	ENVIRONMENTAL HEALTH AND INDUSTRIAL HYGIENE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	310.25	P-427	1,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENVIRONMENTAL HEALTH & INDUST HYGIENE FAC. .	SF	6,900	129.00	890
SUPPORTING FACILITIES.	-	-	-	60
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(60)
SUBTOTAL		-	-	950
CONTINGENCY (5%)		-	-	50
TOTAL CONTRACT COST.		-	-	1,000
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .		-	-	50
TOTAL REQUEST.		-	-	1,050
EQUIPEMNT PROVIDED FROM OTHER APPROPRIATIONS			(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building addition, concrete foundation and floor, pre-cast concrete panel walls, built-up roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 6,900 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an industrial hygiene and environmental health facility. (Current mission.)
REQUIREMENT: Adequate preventive health care facilities for environmental health and industrial hygiene for active duty military personnel and civilian employees at the Marine Corps Base. Increased workload will occur because of OSH protection standards for asbestos surveillance which increases annual pulmonary examinations. Other medical surveillance programs include noise (hearing loss), welding hazards, hydrocarbons and abrasive dust. The project is necessary for operations of the Joint Coordinated Preventive Medicine Service.
CURRENT SITUATION: Preventive health care is being provided to active duty military and civilian employees in old, fragmented, overcrowded facilities many of which have safety code violations. The fragmented locations require additional personnel, resources and equipment to support the necessary duplication of programs.
IMPACT IF NOT PROVIDED: Provision of preventive health care will continue to be fragmented in multiple buildings which are overcrowded, inadequate, and costly to maintain. The productivity of personnel will be diminished.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	3. DATE
NAVY		

2. INSTALLATION AND LOCATION	
NAVAL HOSPITAL, CAMP PENDLETON, CALIFORNIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
ENVIRONMENTAL HEALTH AND INDUSTRIAL HYGIENE FACILITY	P-427

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	2-89
(b) Percent Complete as of January 1990	100
(c) Date Design 35% Complete	7-89
(d) Date Design Complete	1-90

(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	(80)
(c) Total	135
(d) Contract	(115)
(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
NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	1.25

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	106	811	4972	0	0	0	0	0	1000	6889
b. END FY 1994	110	850	5159	0	0	0	3	48	1200	7370

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,127.26$)	
b. INVENTORY TOTAL AS OF 30 SEP 88		284,110
c. AUTHORIZATION NOT YET IN INVENTORY		14,590
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		17,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		7,100
g. REMAINING DEFICIENCY		6,560
h. GRAND TOTAL		345,860

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	17,500	12/88	06/90
	TOTAL		17,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
317.15	INTEG NAV AIR DEF SYS FAC	42,900 SF	16,000
	TOTAL		16,000
B. MAJOR PLANNED NEXT THREE YEARS:			
317.20	ELEC & ELECTRONICS SYS LAB	31,600 SF	7,100

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	17,500

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 (5.5%)	-	-	-	910
TOTAL REQUEST	-	-	-	17,500
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 and security systems, 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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
ADVANCED WEAPONS LABORATORY	P-431

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
deployments, possibly jeopardizing both the pilot and the aircraft.

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..... 12-88
- (b) Percent Complete as of January 1990..... 50
- (c) Date Design 35% Complete..... 7-89
- (d) Date Design Complete..... 6-90

(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..... (900)
- (b) All Other Design Costs..... (600)
- (c) Total..... 1500
- (d) Contract..... (1450)
- (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	1990-91	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 09/30/88	153	2499	1127	0	0	0	0	0	0	3779
b. END FY 1994	152	2629	1211	0	0	0	0	0	0	3892

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,024)	
b. INVENTORY TOTAL AS OF 30 SEP 88		93,540
c. AUTHORIZATION NOT YET IN INVENTORY		6,070
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		16,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,250
f. PLANNED IN NEXT THREE PROGRAM YEARS		28,350
g. REMAINING DEFICIENCY		33,210
h. GRAND TOTAL		178,920

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
212.10	ADVANCE WEAPONS FAC	21,290 SF	6,500	11/88	01/90
860.30	RR & VECH BRDGES & LND ACQ	LS	10,000	03/89	08/90
	TOTAL		16,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

316.10	STANDARD MSL TEST CELL	LS	1,250
	TOTAL		1,250

B. MAJOR PLANNED NEXT THREE YEARS:

212.10	GUIDED MISSILE INTEG FAC	26,500 SF	10,900
212.10	MISSILE MAGAZINE	LS	2,250
212.30	AIR LAUNCH IMA FACILITY	LS	5,800
316.10	TOMAHAWK TEST CELL	LS	2,250

10. MISSION OR MAJOR FUNCTIONS:

Maintenance and quality evaluation engineering of missiles and other military explosives. Storage and transshipment of ordnance. Maintenance and testing of 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, CONCORD, CALIFORNIA	ADVANCED WEAPONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	212.10	P-284	6,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADVANCED WEAPONS FACILITY.	SF	21,290	-	5,230
BUILDING	SF	12,290	257.00	(3,160)
MISSILE MAGAZINE	SF	9,000	162.00	(1,460)
PLATFORMS.	LS	-	-	(200)
BUILT-IN EQUIPMENT	LS	-	-	(410)
SUPPORTING FACILITIES.	-	-	-	640
ELECTRICAL UTILITIES	LS	-	-	(260)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(260)
SUBTOTAL	-	-	-	5,870
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST.	-	-	-	6,160
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	340
TOTAL REQUEST.	-	-	-	6,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete footings and floor, built-up roof, one test cell; bridge crane; one earth-covered reinforced concrete missile storage magazine, loading platform; access roads; fire protection systems, ventilation, utilities.

11. REQUIREMENT: 21,290 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs one magazine and a test facility in support of classified weapons systems. (New mission.)
REQUIREMENT: The General Accounting Office report of 23 July 1983 made the point that the lack of suitable test resource planning, organization structure, management emphasis and intelligence support could seriously degrade the services' ability to test the actual performance capabilities of current and emerging systems. Department of Defense and Navy have placed greater emphasis on development of increasingly sophisticated and classified weapons systems. These developments require a corresponding expansion of test and storage facilities to assure readiness for introduction of the systems into the fleet. These facilities must meet unique operational, security and safety requirements which are not currently available.
CURRENT SITUATION: There are no existing facilities available to provide all the specialized features necessary to meet the criteria and standards needed to perform development and operational test and evaluation reviews.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CONCORD, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ADVANCED WEAPONS FACILITY	P-284

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The Navy will not have adequate test and storage facilities available to introduce newly developed classified weapons and systems to the fleet. Use of existing facilities will not insure classified weapons survivability against enemy threats.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (380)
- (c) Total..... 880
- (d) Contract..... (840)
- (e) In-house..... (40)

(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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, CONCORD, CALIFORNIA	RAILROAD AND VEHICULAR BRIDGES AND LAND ACQUISITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	860.30	P-292	10,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RAILROAD & VEHICULAR BRIDGES & LAND ACQ.	LS	-	-	5,790
RAILROAD BRIDGE	SF	21,000	225.00	(4,730)
VEHICULAR BRIDGE	SF	11,900	60.00	(720)
SUPPORT BUILDINGS	LS	-	-	(150)
LAND ACQUISITION	LS	-	-	(190)
SUPPORTING FACILITIES	-	-	-	3,240
UTILITIES RELOCATION	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(2,940)
SUBTOTAL	-	-	-	9,030
CONTINGENCY (5%)	-	-	-	450
TOTAL CONTRACT COST	-	-	-	9,480
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	520
TOTAL REQUEST	-	-	-	10,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete and steel railroad and vehicular bridges, earthen access ramps, reinforced concrete retaining wall; railroad relocation; utilities relocation; pass building relocation; concrete block guardhouse; signalized traffic intersection; paving and pavement striping; acquires interests in approximately two acres of land.

11. REQUIREMENT: As Required.

PROJECT: Provides Navy-owned railroad and vehicular bridges 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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CONCORD, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
RAILROAD AND VEHICULAR BRIDGES AND LAND ACQUISITION	P-292

11. REQUIREMENT: (Continued)

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 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.

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.

ADDITIONAL: Two other alternatives for this project were evaluated. Their lowest costs were $7.8 million and $5.6 million for the public highway to underpass or overpass Navy railroad and vehicular route respectively. Both alternatives had significant negative environmental impacts upon local traffic circulation, local non-Navy residents, and local non-Navy commercial and light industrial businesses. The negative environmental impacts involved negative visual impacts, noise pollution, and increased traffic on residential streets. The lowest cost alternative, which involved the public roadway overpassing existing Navy owned railroad trackage, failed to satisfy scrutiny relative to providing safety and security for Navy ordnance shipments. Attempting to appropriately mitigate the significant impacts of the two unchosen alternatives would raise their costs to an estimated $10 million and $8 million total respectively, remove the design and construction of the project from Navy control thereby likely increasing the length of time to complete the project and raising operations cost, potentially never survive the environmental review process as indicated by the County Traffic Engineers for safe and secure transport of ordnance as well as the chosen alternative.

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	3-89
(b)	Percent Complete as of January 1990	35
(c)	Date Design 35% Complete	11-89
(d)	Date Design Complete	8-90

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CONCORD, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
RAILROAD AND VEHICULAR BRIDGES AND LAND ACQUISITION	P-292

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..... (600)
(b) All Other Design Costs..... (400)
(c) Total..... 1000
(d) Contract..... (960)
(e) In-house..... (40)

(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 AMPHIBIOUS BASE, CORONADO, 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 09/30/88	537	3243	190	115	679	0	78	1276	0	6118
b. END FY 1994	591	3393	213	196	1207	0	101	2134	0	7835

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,065)	
b. INVENTORY TOTAL AS OF 30 SEP 88		57,190
c. AUTHORIZATION NOT YET IN INVENTORY		21,120
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		13,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,100
g. REMAINING DEFICIENCY		85,350
h. GRAND TOTAL		207,160

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	DESERT OPERATIONS FACILITY	38,120 SF	6,000	11/88	01/90
171.20	MARITIME TRNG FACILITY	15,000 SF	2,200	11/88	01/90
213.30	WATERFRONT MAINT & OPS FAC	60,910 SF	8,400	11/88	01/90
610.10	AMPHIB OPERATIONS FACILITY	16,400 SF	3,200	11/88	01/90
	TOTAL		19,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
179.50	SPEC WAR SHOOT CX(MIRAMAR)	LS	4,500
211.05	LCAC CPX(CP PEND #3)	LS	9,100
	TOTAL		13,600
B. MAJOR PLANNED NEXT THREE YEARS:			
171.20	AMPHIBIOUS WAR TACT TRNG	LS	2,300
159.64	WATERFRONT OPS BLDG	114,440 SF	7,800

10. MISSION OR MAJOR FUNCTIONS:

Provides logistic support for commands of the surface forces, amphibious warfare forces, and training commands at Coronado.

Commander Surface Forces, US Pacific Fleet
Commander Amphibious Training Command, Pacific
Amphibious Construction Battalion
Underwater Demolition Teams
Landing Ship Flotilla
Amphibious School
SEAL Teams
Beach Groups and Units

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

A:	POLLUTION ABATEMENT	320
B:	INSTALLATION RESTORATION	30
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	AMPHIBIOUS OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	610.10	P-142	3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AMPHIBIOUS OPERATIONS FACILITY	SF	16,400	110.00	1,800
SUPPORTING FACILITIES	-	-	-	1,090
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(80)
UTILITIES	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT	LS	-	-	(500)
DEMOLITION	LS	-	-	(320)
SUBTOTAL	-	-	-	2,890
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	3,030
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	170
TOTAL REQUEST	-	-	-	3,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel frame building, masonry walls, pile foundation, concrete floors, built-up roof over concrete on metal decking, utilities, fire protection system, ventilation and air conditioning, hazardous waste mitigation; demolition of six buildings.

11. REQUIREMENT: 47,390 SF. ADEQUATE: 30,990 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an operations facility for Amphibious Construction Battalion ONE (PHIBCB ONE). (Current mission.)
REQUIREMENT: Adequate operational headquarters space for PHIBCB ONE to accommodate command and administrative mission functions.
CURRENT SITUATION: PHIBCB ONE currently occupies structures built in 1944 for temporary use. These facilities do not conform to any safecy, building, OSHA, or fire code. Existing facilities do not support the mission of the activity and occupy space needed for construction of future projects.
IMPACT IF NOT PROVIDED: Continued use of inadequate and unsafe facilities. Proposed base development will be delayed.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
AMPHIBIOUS OPERATIONS FACILITY	P-142

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	100
(c) Date Design 35% Complete	5-89
(d) Date Design Complete	1-90

(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	(280)
(c) Total	420
(d) Contract	(370)
(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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	DESERT OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	171,20	P-179	6,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DESERT OPERATIONS FACILITY	SF	38,120	-	4,400
BUILDING	SF	38,120	105.00	(4,000)
HELICOPTER PADS	SY	2,200	114.00	(250)
BUILT-IN EQUIPMENT	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	1,020
ELECTRICAL UTILITIES	LS	-	-	(250)
MECHANICAL UTILITIES	LS	-	-	(280)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(490)
SUBTOTAL	-	-	-	5,420
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST	-	-	-	5,690
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	310
TOTAL REQUEST	-	-	-	6,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, masonry walls, concrete foundation and floors, built-up roof, utilities, septic tank, fire protection system, ventilation, diesel engine generator; two helicopter pads; demolition of one building.

11. REQUIREMENT: 38,120 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a desert training and berthing facility for 120 personnel assigned to Naval Special Desert Warfare Training in Niland, California. (New mission.)
REQUIREMENT: Adequate facilities to support Naval Amphibious Base Coronado's mission to provide facilities for the Naval Special Warfare Forces, in direct support of the Department of Defense initiative to accelerate, develop, and broaden special warfare operational capabilities.
CURRENT SITUATION: Naval Special Warfare Group One's present training camp area is no longer adequate in size to support the present and projected numbers of platoons assigned. The existing camp does not conform with local land use regulations.
IMPACT IF NOT PROVIDED: The existing camp could be disestablished because of land use violations. Special warfare forces would have no available adequate training site, adversely affecting the overall mission capability of the Special Operating Forces.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
DESERT OPERATIONS FACILITY	P-179

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	11-83
(b) Percent Complete as of January 1990	100
(c) Date Design 35% Complete	5-89
(d) Date Design Complete	1-90

(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	(310)
(b) All Other Design Cost	(195)
(c) Total	505
(d) Contract	(475)
(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.

S/N 0102-LF-001-3915

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	MARITIME TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
1100011N	171.20	P-180	2,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MARITIME TRAINING FACILITY	SF	15,000	-	1,650
TRAINING BUILDING	SF	10,000	120.00	(1,200)
MAINTENANCE BUILDING	SF	5,000	90.00	(450)
SUPPORTING FACILITIES	-	-	-	330
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
UTILITIES	LS	-	-	(180)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	1,980
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST	-	-	-	2,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	120
TOTAL REQUEST	-	-	-	2,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story training building, one one-story maintenance building, steel frame, concrete floors, masonry walls, pile foundations, fire protection systems, ventilation and air conditioning, utilities; open storage for three vehicles, two swimmer delivery vehicle trailers, two pieces of materials handling equipment, boat ramp; perimeter security.

11. REQUIREMENT: 15,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a maritime training facility on San Clemente Island. (New mission.)
REQUIREMENT: Adequate year-round facilities for training Naval Special Warfare Forces in land and underwater demolition, land warfare, hydrographic reconnaissance, communications, and seal delivery vehicle operations.
CURRENT SITUATION: Facilities are not available on San Clemente Island to support this vital training. Limited training is now conducted at Coronado using already overcrowded facilities. Because of surf conditions, small boats must be launched in San Diego bay and transit the entire bay before arriving in the training area.
IMPACT IF NOT PROVIDED: Continue to utilize current training procedures with facilities at Coronado, which limits training, adversely affecting the operational readiness of the Special Operating Forces.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MARITIME TRAINING FACILITY	P-180

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	100
(c) Date Design 35% Complete	5-89
(d) Date Design Complete	1-90

(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	(100)
(c) Total	220
(d) Contract	(200)
(e) In-house	(20)

(4) Construction start: 1-91 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

S/N 0102-LF-001-3915

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	WATERFRONT MAINTENANCE AND OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	213.30	P-150	8,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATERFRONT MAINTENANCE AND OPERATIONS FAC. .	SF	60,910	-	6,600
MAINTENANCE BUILDING	SF	44,910	108.00	(4,850)
OPERATIONS BUILDING.	SF	16,000	109.00	(1,750)
SUPPORTING FACILITIES.	-	-	-	980
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(180)
UTILITIES.	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(480)
DEMOLITION	LS	-	-	(200)
SUBTOTAL	-	-	-	7,580
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST.	-	-	-	7,960
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	440
TOTAL REQUEST.	-	-	-	8,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story and one one-story steel frame buildings, pile foundations, masonry walls, concrete floors, built-up roof over concrete on metal decking, utilities, fire protection system, air conditioning and ventilation; watchtower; bulkhead repair; demolition of eleven buildings.

11. REQUIREMENT: 125,760 SF. ADEQUATE: 64,850 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides waterfront operational, maintenance, and administrative facilities to support the mission of Special Boat Squadron ONE (SPECBOATRON ONE) and Naval Special Warfare Group ONE (NAVSPECWARGRU ONE). (Current mission.)

REQUIREMENT: Adequate and properly-configured facilities to support the operational craft and administrative needs of SPECBOATRON ONE, and provide a maintenance facility for NAVSPECWARGRU ONE vehicles, electronics, and parachute equipment. SPECBOATRON ONE is tasked with operating and maintaining specialized Special Warfare craft. A new mission requirement to operate Patrol Boat-Multipurpose (PBM) was recently mandated by the Chief of Naval Operations. NAVSPECWARGRU ONE's vehicle allowance consists of 224 pieces of various equipment.

CURRENT SITUATION: SPECBOATRON ONE currently occupies single-story structures built in 1944 and originally constructed to meet World War II requirements. These facilities neither conform to safety, building, or fire codes. Floor plans configuration do not meet basic facility requirements or provide for proper maintenance of existing craft. No facilities exist in which to maintain components of the new PBM's.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
WATERFRONT ADMINISTRATION AND OPERATIONS FACILITY	P-150

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The activity cannot support mandated PBM tasking. Activity's mission and operational readiness will continue to be hampered by nonavailabilty of adequate facilities within which to perform maintenance.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (390)
- (b) All Other Design Costs..... (245)
- (c) Total..... 635
- (d) Contract..... (575)
- (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 AIR FACILITY, EL CENTRO, CALIFORNIA	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 09/30/88	15	108	406	0	0	0	220	527	0	1276
b. END FY 1994	27	118	406	0	0	0	391	1130	0	2072

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(63,138)	
b. INVENTORY TOTAL AS OF 30 SEP 88		32,840
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,050
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		36,250
g. REMAINING DEFICIENCY		29,350
h. GRAND TOTAL		107,490

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
121.10	AIRCRFT DIRECT FUELING STA	LS	1,350	10/88	09/89
226.70	ORDNANCE FACILITY	29,650 SF	7,700	11/88	01/90
	TOTAL		9,050		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

222.20	WEAPONS HANDLING FAC	LS	12,500
211.05	MAINT HANGAR	LS	9,700
921.10	LAND ACQUISITION	LS	14,050

10. MISSION OR MAJOR FUNCTIONS:
Maintain and operate facilities and provide services and material to support operations of aviation activities of the Pacific Fleet. Divert field for San Diego area Naval Air Stations. Training and deployment site for fighter, attack, early warning Navy and Marine fleet and reserve squadrons.

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

A:	POLLUTION ABATEMENT	610
B:	INSTALLATION RESTORATION	18,860
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 FACILITY EL CENTRO, CALIFORNIA	AIRCRAFT DIRECT FUELING STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	121.10	P-205	1,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT DIRECT FUELING STATION.	LS	-	-	950
STATION.	LS	-	-	(400)
FUELING APRON.	SY	2,230	90.00	(200)
STORAGE TANKS.	LS	-	-	(300)
DAY TANKS.	LS	-	-	(50)
SUPPORTING FACILITIES.	-	-	-	270
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
UTILITIES.	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(60)
SUBTOTAL	-	-	-	1,220
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,280
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame fueling station with four outlets; reinforced concrete fueling apron; day tanks, storage tanks, piping, pumps, cathodic protection, grounding, communications, fire protection system, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides an aircraft direct fueling facility. (Current mission).

REQUIREMENT: Adequate hot refueling capability for aircraft engaged in field carrier landing practice and target range exercises. Expanded fuel storage capacity to sustain the authorized fuel storage requirement.

CURRENT SITUATION: Hot refueling is currently being performed at two locations on the base using truck refuelers with hoses extended. This method of hot refueling has become inadequate because of increased demand for more outlets, safety problems with logistics, and aircraft downtime waiting for fuel service.

IMPACT IF NOT PROVIDED: Activity must rely on truck refuelers which are not capable of handling the demand. Time delays, logistics and safety problems will adversely impact mission performance.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
AIRCRAFT DIRECT FUELING STATION	P-205

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	10-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	3-89
(d)	Date Design Complete	9-89

(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	(15)
(c)	Total	90
(d)	Contract	(15)
(e)	In-house	(75)

(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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA	ORDNANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	226.70	P-202	7,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ORDNANCE FACILITY	SF	29,650	-	2,600
READY AMMUNITION BELTING PAD	SF	15,000	21.00	(320)
MAGAZINES	SF	10,350	170.00	(1,760)
ADMINISTRATIVE OFFICE BUILDING	SF	4,300	120.00	(520)
SUPPORTING FACILITIES.	-	-	-	4,350
UTILITIES.	LS	-	-	(1,320)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(2,800)
DEMOLITION.	LS	-	-	(230)
SUBTOTAL.	-	-	-	6,950
CONTINGENCY (5%)	-	-	-	350
TOTAL CONTRACT COST.	-	-	-	7,300
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	400
TOTAL REQUEST.	-	-	-	7,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Six earth-covered magazines, loading docks; three steel frame structures, concrete foundations and floors, built-up membrane roof over steel deck and steel trusses; covered staging areas; administrative offices; magazine aprons; access road; fire protection systems, ventilation and air conditioning, utilities; demolition of 23 buildings.

11. REQUIREMENT: 29,650 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs ordnance facilities. (Current mission.)
REQUIREMENT: Adequate and properly-configured explosive magazine storage facilities, ready ammunition belting plants for bomb and rocket assembly, ordnance operation administrative office building and associated support facilities.
CURRENT SITUATION: The existing facilities are inadequate and undersized, and located within existing and proposed air operations clearance zones.
IMPACT IF NOT PROVIDED: Ordnance operations will continue to be housed in undersized, inadequate facilities, with the accompanying compromise to human safety.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ORDNANCE FACILITY	P-202

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(360)
(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 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 09/30/88	77	575	819	0	0	0	699	8962	200	11332
b. END FY 1994	94	615	974	14	159	0	954	6699	828	10237

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,720)	
b. INVENTORY TOTAL AS OF 30 SEP 88		276,930
c. AUTHORIZATION NOT YET IN INVENTORY		61,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		23,550
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,370
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,080
g. REMAINING DEFICIENCY		300,420
h. GRAND TOTAL		683,050

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
113.20	AIRCRAFT PARKING APRON	45,000 SY	4,900	11/88	01/90
171.35	OPERATIONAL TRAINER FAC	93,900 SF	8,100	11/88	01/90
211.06	MAINTENANCE HANGAR ADDNS	33,800 SF	6,600	11/88	01/90
610.20	DATA PROCESS CNTR	24,200 SF	3,950	11/88	01/90
	TOTAL		23,550		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
149.15	FIXED AIRCRAFT START SYS	LS	820
171.35	OPERATIONS TRAINING FAC	LS	1,300
214.51	AUTOMOTIVE SHOP	16,120 SF	2,300
421.32	INERT STORAGE	7,500 SF	1,950
	TOTAL		6,370
B. MAJOR PLANNED NEXT THREE YEARS:			
730.10	FIRE STA AREA II	3,600 SF	720

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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	AIRCRAFT PARKING APRON

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	113.20	P-594	4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT PARKING APRON	SY	45,000	-	3,470
APRON AND TAXIWAY	SY	45,000	48.00	(2,160)
APRON AND TAXIWAY LIGHTING	LS	-	-	(70)
FIXED POINT UTILITY SYSTEM	LS	-	-	(920)
BUILDING ALTERATIONS	LS	-	-	(230)
BUILT-IN EQUIPMENT	LS	-	-	(90)
SUPPORTING FACILITIES	-	-	-	950
ELECTRICAL UTILITIES	LS	-	-	(450)
MECHANICAL UTILITIES	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(270)
SUBTOTAL	-	-	-	4,420
CONTINGENCY (5%)	-	-	-	220
TOTAL CONTRACT COST	-	-	-	4,640
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	260
TOTAL REQUEST	-	-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Concrete aircraft parking apron and taxiway with lighting; fixed point utilities including electrical, compressed air, and fuel; modify hangar shop and administrative spaces; install four bridge cranes in hangar open bay; utilities; demolition of one building and partial demolition of one building.

11. REQUIREMENT: 483,550 SY. ADEQUATE: 438,550 SY. SUBSTANDARD: 0 SY.
PROJECT: Constructs aircraft parking apron and taxiway for consolidation of separated parking areas, installs fixed point utilities, alters hangar building. (New mission.)
REQUIREMENT: Adequate aircraft parking and maintenance facilities to accommodate a new training squadron mission of twenty MV-22 aircraft.
CURRENT SITUATION: El Toro has a suitable hangar available, but the adjacent parking apron is occupied by aircraft overflowing from the parking apron associated with another hangar. By expanding the parking area, the available hangar can be used. Alternative sites aboard El Toro for the MV-22 aircraft involve construction of similar or greater amounts of parking apron, plus the erection of a new hangar.
IMPACT IF NOT PROVIDED: El Toro cannot accommodate the new training squadron mission.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, EL TORO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT PARKING APRON	P-594

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..... 100
(c) Date Design 35% Complete..... 5-89
(d) Date Design Complete..... 1-90

(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..... (90)
(c) Total..... 340
(d) Contract..... (310)
(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	3,950

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	-	-	(240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(80)
SUBTOTAL	-	-	-	3,560
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,740
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	210
TOTAL REQUEST.	-	-	-	3,950
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.

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 enviromental 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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: 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 upgraded computer equipment is delivered and becomes operational.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... 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
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	MAINTENANCE HANGAR ADDITIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	211.06	P-393	6,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR ADDITIONS	SF	33,800	-	4,610
BUILDING ADDITIONS	SF	33,800	117.00	(3,950)
BUILT-IN EQUIPMENT	LS	-	-	(660)
SUPPORTING FACILITIES	-	-	-	1,350
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(400)
ELECTRICAL UTILITIES	LS	-	-	(320)
MECHANICAL UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT	LS	-	-	(290)
SUBTOTAL	-	-	-	5,960
CONTINGENCY (5%)	-	-	-	300
TOTAL CONTRACT COST	-	-	-	6,260
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	340
TOTAL REQUEST	-	-	-	6,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame addition to each of four hangars, masonry walls, pile foundations, concrete floors, built-up roofs, sound attenuation and air conditioning for administrative spaces, fire protection systems, 400 Hz electrical power; asphalt target resolution pad; utilities.

11. REQUIREMENT: 184,590 SF. ADEQUATE: 150,790 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs four hangar additions; provides a target resolution calibration pad. (New mission.)
REQUIREMENT: Adequate hangar space to accommodate and support maintenance and administrative functions for three tactical F/A-18 squadrons, each comprised of three aircraft types, totaling 16 aircraft.
CURRENT SITUATION: Existing facilities were designed and configured to support 12-plane squadrons, comprised of a smaller single engine type of aircraft. Increased mission requirements have expanded the aircraft loading and types to 16 planes. The transition from 12 to 16 aircraft was started in 1987 and will be complete by 1990. To facilitiate this expansion, some maintenance shops and all administrative functions were relocated into inadequate spaces removed from the primary squadron areas. No target resolution calibration pad or any facility which can be used for this purpose exists at this station. Operating aircraft on the flight line and apron areas cause the noise levels within existing shop areas to be above established guidelines and sound attenuation is necessary to protect personnel from hearing damage.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, EL TORO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
MAINTENANCE HANGAR ADDITIONS	P-393

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Continued operations in overcrowded inadequate facilities will adversely effect the operational readiness of three tactical fighter squadrons. No facility to calibrate equipment on the reconnaissance version of the FA-18 aircraft will be available. Marines will continue to be exposed to high background noise levels which can permanently damage hearing.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (340)
- (b) All Other Design Costs..... (100)
- (c) Total..... 440
- (d) Contract..... (400)
- (e) In-house..... (40)

(4) Construction start..... 12-90 (month and year)

b. Equipment associaced 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
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA	OPERATIONAL TRAINER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	171.35	P-595	8,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL TRAINER FACILITY	SF	93,900	-	6,310
BUILDING	SF	15,300	123.00	(1,880)
BUILDING ALTERATIONS	SF	78,600	64.00	(5,030)
SUPPORTING FACILITIES	-	-	-	400
UTILITIES	LS	-	-	(330)
PAVING AND SITE IMPROVEMENT	LS	-	-	(70)
SUBTOTAL	-	-	-	7,310
CONTINGENCY (5%)	-	-	-	370
TOTAL CONTRACT COST	-	-	-	7,680
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	420
TOTAL REQUEST	-	-	-	8,100
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, two high-bays for simulators; modify building for installation of maintenance simulators and classrooms; fire protection system, air conditioning, sound attenuation, utilities.

11. REQUIREMENT: 121,880 SF. ADEQUATE: 27,980 SF. SUBSTANDARD: (78,600) SF.
PROJECT: Constructs a facility to house MV-22 aircraft operational and maintenance trainers and their associated shop, computer, classroom and administrative spaces; modifies one building. (New mission.)
REQUIREMENT: An adequate facility for providing training to aircrews and mechanics in operating and maintaining the new aircraft in a safe, efficient, and effective manner, with minimum risk to men and materiel during the training process.
CURRENT SITUATION: Eleven MV-22 aircraft squadrons are scheduled to arrive on the West Coast during the early 1990's. El Toro has been assigned to host the training functions for these squadrons, with the training devices scheduled to arrive in mid 1993. There are no facilities available to house these devices, nor is there adequate space available to conduct the associated classroom portions of the training.
IMPACT IF NOT PROVIDED: Squadrons will not be able to transition to the new aircraft on the West Coast.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, EL TORO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONAL TRAINER FACILITY	P-595

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..... 100
(c) Date Design 35% Complete..... 5-89
(d) Date Design Complete..... 1-90

(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..... (415)
(b) All Other Design Costs..... (95)
(c) Total..... 510
(d) Contract..... (485)
(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
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 09/30/88	466	4938	1163	82	223	0	3	86	0	6961
b. END FY 1994	535	4594	1163	72	378	0	0	33	0	6775

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(39,173)	
b. INVENTORY TOTAL AS OF 30 SEP 88		191,650
c. AUTHORIZATION NOT YET IN INVENTORY		3,990
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,320
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		2,550
f. PLANNED IN NEXT THREE PROGRAM YEARS		10,200
g. REMAINING DEFICIENCY		102,960
h. GRAND TOTAL		312,670

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	10/88	09/89
218.50	BATTERY SHOP	LS	420	09/88	06/89
	TOTAL		1,320		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
211.03	VENTILATION IMPROVS	11,160 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.

Fleet Light Attack (A-7 and F/A-18) Squadrons
Replacement Training Squadrons
Carrier Air Wings

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 09/30/88	40	3	6394	0	0	60	133	1876	187	8693
b. END FY 1994	37	3	5700	0	0	60	185	1804	270	8059

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(351)	
b. INVENTORY TOTAL AS OF 30 SEP 88		184,400
c. AUTHORIZATION NOT YET IN INVENTORY		3,630
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		22,500
g. REMAINING DEFICIENCY		77,850
h. GRAND TOTAL		289,880

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	09/88	06/89
	TOTAL		500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

812.40	PERIMETER SEC LIGHTING	20,000 LF	1,000
	TOTAL		1,000

B. MAJOR PLANNED NEXT THREE YEARS:

441.30	HAZ MTRLS STORAGE FAC	LS	3,200
842.10	UTILITIES IMPROVEMENTS	LS	19,300

10. MISSION OR MAJOR FUNCTIONS:

Maintenance and overhaul of surface ships up to and including attack carriers with heavy emphasis on unscheduled repair work. 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 09/30/88	924	12155	3256	0	0	0	116	789	0	17240
b. END FY 1994	795	12917	3256	0	0	0	116	789	0	17873

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,351)	
b. INVENTORY TOTAL AS OF 30 SEP 88		107,770
c. AUTHORIZATION NOT YET IN INVENTORY		26,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,180
f. PLANNED IN NEXT THREE PROGRAM YEARS		29,920
g. REMAINING DEFICIENCY		95,440
h. GRAND TOTAL		278,160

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740.50	PHYSICAL FITNESS FACS	LS	5,800	03/87	05/88
842.10	WHARF UTILITIES UPGRADE	LS	3,500	12/83	12/88
	TOTAL		9,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
151.20	BERTHING PIER EXTENSION	LS	3,450
730.15	WATERFRONT BRIG	LS	5,730
	TOTAL		9,180
B. MAJOR PLANNED NEXT THREE YEARS:			
151.20	BERTHING PIER IMPROVEMENT	LS	24,000
724.12	BACHELOR OFFICER QUARTERS	34,000 SF	4,520
721.40	DISCIPLINARY BARRACKS	10,530 SF	1,400

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. The Pay and Personnel Administrative Support System Detachment receives, processes, and transfers personnel, both fleet and shore based.

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, LONG BEACH, CALIFORNIA	PHYSICAL FITNESS FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	740.50	P-203	5,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHYSICAL FITNESS FACILITIES.	LS	-	-	3,550
BUILDING	SF	30,000	94.00	(2,820)
OUTDOOR RECREATION FACILITIES.	LS	-	-	(730)
SUPPORTING FACILITIES.	-	-	-	1,690
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(180)
ELECTRICAL UTILITIES	LS	-	-	(350)
MECHANICAL UTILITIES	LS	-	-	(280)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(880)
SUBTOTAL	-	-	-	5,240
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST.	-	-	-	5,500
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	300
TOTAL REQUEST.	-	-	-	5,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete and masonry building, pile foundation, concrete floor, built-up roof, fire protection system, ventilation, utilities; pool, outdoor track and fields, tennis courts; hazardous waste cleanup.

11. REQUIREMENT: As Required.

PROJECT: Provides indoor and outdoor physical fitness and recreation facilities including a fieldhouse with gymnasium, handball courts, indoor swimming pool, weight room, and related indoor support facilities. Outdoor facilities include football and soccer fields, a quarter-mile track, and eight tennis courts. Lighting will be provided for outdoor fields and courts. (New mission.)

REQUIREMENT: Adequate physical conditioning and recreational facilities to accommodate over 11,000 military personnel and their dependents. This activity provides homeporting support for one Battleship Surface Action Group and one amphibious squadron. In addition, 30 combatants and support ships are homeported.

CURRENT SITUATION: One small inadequate gymnasium, eight softball fields, a 16-lane bowling alley, and two outdoor pools are the only recreation facilities presently available.

IMPACT IF NOT PROVIDED: Adequate physical fitness and recreational facilities will not be available to support assigned personnel.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL STATION, LONG BEACH, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
PHYSICAL FITNESS FACILITIES	P-203

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	3-87
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	1-88
(d)	Date Design Complete	5-88

(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	(290)
(b)	All Other Design Costs	(270)
(c)	Total	560
(d)	Contract	(520)
(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 PROJECT DATA	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	3,500

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 (5.5%). .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,500
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 to fully support all ships berthed at Pier E. Pier E has recently been transferred from a shipyard repair pier to a naval station homeporting pier for four frigates in support of a Battleship Surface Action Group to be homeported in San Francisco, California.

CURRENT SITUATION: Existing utilities on the pier 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 the 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 have a detrimental impact on the readiness of ships.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	12-83
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	11-86
(d)	Date Design Complete	12-88

(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	(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 09/30/88	890	6971	1840	122	357	0	169	495	0	10844
b. END FY 1994	903	6795	1863	139	357	0	179	515	0	10761

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(23,121)	
b. INVENTORY TOTAL AS OF 30 SEP 88		189,900
c. AUTHORIZATION NOT YET IN INVENTORY		46,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,870
g. REMAINING DEFICIENCY		59,580
h. GRAND TOTAL		303,400

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	4,600	11/88	01/90
171.20	WEAPONS SCHOOL ADDITION	LS	900	10/88	09/89
	TOTAL		5,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

211.05	NOISE HAZ ABATEMENT	LS	700
141.87	LIQUID OXYGEN/NITROGEN FAC	2,710 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.

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

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 PROJECT DATA	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	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TOPGUN ACADEMIC FACILITY	SF	30,200	120.00	3,630
SUPPORTING FACILITIES	-	-	-	520
UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	4,150
CONTINGENCY (5%)	-	-	-	210
TOTAL CONTRACT COST	-	-	-	4,360
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,600
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, security system, 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. NFWS is a school without proper training facilities.

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. The

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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)
impact could ultimately be evidenced in defense of the carrier battle group whether in open-ocean operations or in projecting naval power ashore.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (170)
- (c) Total..... 410
- (d) Contract..... (340)
- (e) In-house..... (70)

(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 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 09/30/88	92	94	912	1700	0	0	0	0	0	2798
b. END FY 1994	92	98	1006	2000	0	0	0	0	0	3196

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(619)	
b. INVENTORY TOTAL AS OF 30 SEP 88		57,400
c. AUTHORIZATION NOT YET IN INVENTORY		3,140
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		16,050
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		14,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		34,030
g. REMAINING DEFICIENCY		16,640
h. GRAND TOTAL		141,260

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	2,180	10/88	09/89
219.10	PUBLIC WORKS COMPLEX	35,950 SF	4,600	11/88	01/90
724.11	BLDG CONVER & SEISMIC UPGR	LS	3,200	11/88	01/90
740.43	GYMNASIUM	28,200 SF	3,970	11/88	01/90
740.74	CHILD CARE CENTER	14,000 SF	2,100	02/87	01/88
	TOTAL		16,050		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
171.20	ENGINEERING BLDG	LS	12,000
724.12	SEISMIC UPGRADE	67,500 SF	2,000
	TOTAL		14,000
B. MAJOR PLANNED NEXT THREE YEARS:			
441.10	SUPPLY COMPLEX	LS	1,500
610.10	SPANAGEL LEVEL 2	LS	3,700
724.12	BACHELOR OFFICER QTRS ADDN	93,000 SF	10,200

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	BUILDING CONVERSION AND SEISMIC UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	724.11	P-129	3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BUILDING CONVERSION & SEISMIC UPGRADE. . . .	LS	-	-	2,890
BUILDING CONVERSION & RENOVATION	SF	13,950	50.00	(700)
SEISMIC UPGRADE-BUILDING	LS	-	-	(1,620)
UTILITIES.	LS	-	-	(570)
SUBTOTAL	-	-	-	2,390
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	3,030
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert offices and classroom space on the second floor of a five-story building to bachelor officer quarters; 27 suites including combination living-bedroom, bathroom, pullman type kitchen, lounges, laundry, storage, vending, mechanical equipment; fire protection system, ventilation, utilities; seismic upgrade of this five-story building, including structural reinforcement of both the wooden building and the concrete footings. Grade mix: 27 W1-02. Total: 27.

11. REQUIREMENT: As Required.

PROJECT: Provides additional bachelor officer quarters and seismic upgrade of a five-story building. (Current mission.)

REQUIREMENT: Adequate on-campus housing to accommodate increased student enrollment. Restoring the original victorian character and providing seismic upgrade for Building 221.

CURRENT SITUATION: Bachelor officers are either housed inadequately in the bachelor officer quarters or are living in civilian housing that is either inadequate or too costly. The lack of sufficient bachelor officer quarters for transients is resulting in exhorbitant per diem costs because of personnel using hotels.

IMPACT IF NOT PROVIDED: Housing per diem cost will continue to rise. The Naval Postgraduate School academic programs will be limited in their ability to perform their mission.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BUILDING CONVERSION AND SEISMIC UPGRADE	P-129

11. REQUIREMENT: (Continued)
ADDITIONAL: The local vacancy factor is under one percent, thus driving civilian housing costs beyond the means of most military personnel.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (150)
- (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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	CHILD CARE CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	740.74	P-137	2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD CARE CENTER	SF	14,000	93.00	1,300
SUPPORTING FACILITIES	-	-	-	600
UTILITIES	LS	-	-	(420)
PAVING AND SITE IMPROVEMENT	LS	-	-	(180)
SUBTOTAL	-	-	-	1,900
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-		110
TOTAL REQUEST	-	-	-	2,100
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 over metal decking, fire protection system, ventilation, utilities; outdoor playground area.

11. REQUIREMENT: 20,200 SF. ADEQUATE: 6,200 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a child care center with classrooms, crib rooms, office space, storage, and playgrounds to accommodate school and pre-school age children and infants. (Current mission.)
REQUIREMENT: An adequate child care center for the school's military students' dependents, to include pre-school teaching facilities and the necessary accommodations for infant care.
CURRENT SITUATION: The existing facility is of semi-permanent construction and inadequate in size for the military population. It is not feasible to modernize and expand the existing facility because of its age and sheet metal construction, its industrialized location, and it is on the site for proposed future academic expansion. There is a need for more space to accommodate 200 additional children already on a waiting list.
IMPACT IF NOT PROVIDED: Only 60% of the families at the NAVPGSCOL will be able to utilize the existing child care center. Using the facilities in the local community is expensive and inconvenient. Continued use of the existing facility will unnecessarily subject children to the hazards of an industrialized area, and will cause hardship for the families not accommodated.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
CHILD CARE CENTER	P-137

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	2-87
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	7-87
(d)	Date Design Complete	1-88

(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	(100)
(b)	All Other Design Costs	(110)
(c)	Total	210
(d)	Contract	(180)
(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA	GYMNASIUM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	740.43	P-151	3,970

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GYMNASIUM.	SF	28,200	105.00	2,970
SUPPORTING FACILITIES.	-	-	-	610
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(60)
UTILITIES.	LS	-	-	(230)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(320)
SUBTOTAL	-	-	-	3,580
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,760
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	210
TOTAL REQUEST.	-	-	-	3,970
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, masonry walls, concrete foundation and floor, clay tile roof over membrane on insulated metal decking and steel trusses, fire protection system, utilities, mechanical ventilation.

11. REQUIREMENT: 41,860 SF. ADEQUATE: 13,660 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a gymnasium with space for basketball, handball, and squash courts, weight and exercise rooms, sauna, multi-purpose room, showers, dressing and locker rooms, and issue room. (Current mission.)
REQUIREMENT: An adequate gymnasium facility for military students and staff personnel, dependents, civilian employees, and retired personnel.
CURRENT SITUATION: The existing facility is a converted sheet metal building, inadequate in size for the school's present and future population needs. The facility is isolated in an industrialized area used for public works shop facilities. This location has created incompatible land use patterns. Many authorized personnel are discouraged from using the facility.
IMPACT IF NOT PROVIDED: Continued inability to provide an adequate exercise program for students, dependents, and support personnel. The retention of academic excellence, essential to the school's mission, requires a viable physical fitness program.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
GYMNASIUM	P-151

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(120)
(c)	Total	300
(d)	Contract	(0)
(e)	In-house	(300)

(4) Construction start: 12-90 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

S/N 0102-LF-001-3910

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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	725	P-161	2,180

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LECTURE HALL ADDITION AND SEISMIC UPGRADE. .	LS	-	-	1,970
BUILDING ADDITION.	SF	6,000	145.00	(870)
SEISMIC UPGRADE.	LS	-	-	(960)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(140)
SUBTOTAL	-	-	-	1,970
CONTINGENCY (5%)	-	-	-	[illegible]
TOTAL CONTRACT COST.	-	-	-	[illegible]
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	[illegible]
TOTAL REQUEST.	-	-	-	2,180
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 600 seating capacity in the lecture hall, and increases the buildings 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.

(Continued on DD 1391c)

S/N 0102-LF-001-3910

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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: 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 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 status: (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	3-89
(d) Date Design Complete	9-89

(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	(110)
(b) All Other Design Costs	(100)
(c) Total	210
(d) Contract	(180)
(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS COMPLEX	SF	35,950	-	2,830
SHOPS	SF	28,400	71.00	(2,020)
ADMINISTRATIVE AREA	SF	3,000	116.00	(350)
AUTOMOTIVE VEHICLE SHOP	SF	4,550	101.00	(460)
SUPPORTING FACILITIES	-	-	-	1,320
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(100)
UTILITIES	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT	LS	-	-	(550)
DEMOLITION	LS	-	-	(70)
SUBTOTAL	-	-	-	4,150
CONTINGENCY (5%)	-	-	-	210
TOTAL CONTRACT COST	-	-	-	4,360
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	240
TOTAL REQUEST	-	-	-	4,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Six one-story reinforced concrete and masonry buildings, concrete floors, concrete spread foundations, engineered fill, concrete roof over metal decking, fire protection systems, air conditioning, utilities, security fencing; demolition of two buildings.

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 schools academic buildings and other functions.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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	100
(c) Date Design 35% Complete	5-89
(d) Date Design Complete	1-90

(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	(230)
(b) All Other Design Costs	(200)
(c) Total	430
(d) Contract	(390)
(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, 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 09/30/88	1927	13843	3414	234	401	0	45	670	0	20534
b. END FY 1994	1939	13331	3414	191	405	0	51	683	0	20014

7. INVENTORY DATA ($(100)

a. TOTAL ACREAGE	(48,086)	
b. INVENTORY TOTAL AS OF 30 SEP 88		336,540
c. AUTHORIZATION NOT YET IN INVENTORY		29,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,650
g. REMAINING DEFICIENCY		206,850
h. GRAND TOTAL		580,240

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE	STATUS
421.22	HIGH EXPLOSIVE MAGAZINES	8,000 SF	1,500	10/88	09/89	
	TOTAL		1,500			

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

134.70	RATCF	LS	3,150
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.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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	1,500

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 (5.5%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,500
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. (Current mission.)
REQUIREMENT: Adequate and properly-configured weapons storage magazines, concrete working apron, and supporting facilities to accomplish this station's mission to support fleet units.
CURRENT SITUATION: Weapons storage space does not exist.
IMPACT IF NOT PROVIDED: Impaired ability of the weapons department to perform its mission.

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..... 10-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 3-89
- (d) Date Design Complete..... 9-89

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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: (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..... (50)
- (b) All Other Design Costs..... (95)
- (c) Total..... 145
- (d) Contract..... (95)
- (e) In-house..... (50)

(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
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 09/30/88	349	2229	4338	0	0	0	128	341	0	7386
b. END FY 1994	365	2198	4340	0	0	0	108	281	0	7292

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(27,093)	
b. INVENTORY TOTAL AS OF 30 SEP 88		201,610
c. AUTHORIZATION NOT YET IN INVENTORY		33,860
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,060
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		900
f. PLANNED IN NEXT THREE PROGRAM YEARS		11,600
g. REMAINING DEFICIENCY		27,410
h. GRAND TOTAL		277,440

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	SECURTY IMPROVEMENTS	LS	2,060	11/88	01/90
	TOTAL		2,060		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

421.72	MISSILE MAGAZINE	5,050 SF	900
	TOTAL		900

B. MAJOR PLANNED NEXT THREE YEARS:

319.40	RANGE OPERATIONS CENTER	LS	11,600

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 13 aircraft
NAS Point Mugu with 32 aircraft
VXE-6 with 13 aircraft
VFA-30 with 9 aircraft
Naval Air Reserve Unit with 9 aircraft
VAQ-34 with 10 aircraft
Range tracking facilities - San Nicholas Island

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

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

DD FORM 1390
1DEC76

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, CALIFORNIA	SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7 PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	872.10	P-063	2,060

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 (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	2,060
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 IDS system, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides upgraded security at this aircraft and missile 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, 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

(Continued on DD 1391c)

S/N 0102 LF-001-3910

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
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 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 throughly 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 develoment 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 dark or in poorly-lit areas. With these conditions, intruders could do considerable damage to Navy assets with a low risk of being apprehended. Persons could enter unoccuppied 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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)

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

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 STATION, 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 09/30/88	20	90	2029	0	0	0	0	0	0	2139
b. END FY 1994	21	88	2029	0	0	0	0	0	0	2138

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NCBC	
b. INVENTORY TOTAL AS OF 30 SEP 88		20,130
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		14,690
h. GRAND TOTAL		44,920

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
315.30	WPNS SYS INTEGRATION LAB	107,370 SF	10,100	11/88	01/90
	TOTAL		10,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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

DD FORM 1390
1DEC76

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SHIP WEAPON SYSTEMS ENGINEERING STATION, 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	10,100

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 (5.5%)	-	-	-	530
TOTAL REQUEST	-	-	-	10,100
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 preformed. 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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL SHIP WEAPON SYSTEMS ENGINEERING STATION, PORT HUENEME, CALIFORNIA

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

11. REQUIREMENT: (Continued)

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 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 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	100
(c) Date Design 35% Complete	5-89
(d) Date Design Complete	1-90

(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	(460)
(c) Total	960
(d) Contract	(900)
(e) In-house	(60)

(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 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 09/30/88	210	3207	2262	50	511	0	6	276	0	6522
b. END FY 1994	222	3143	2262	111	728	0	5	305	0	6776

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,408)	
b. INVENTORY TOTAL AS OF 30 SEP 88		96,660
c. AUTHORIZATION NOT YET IN INVENTORY		38,120
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		36,800
f. PLANNED IN NEXT THREE PROGRAM YEARS		16,520
g. REMAINING DEFICIENCY		22,560
h. GRAND TOTAL		212,660

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	2,000	02/89	06/90
	TOTAL		2,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
143.41	UC2-2 OPS FACILITY	LS	6,000
219.10	PUBLIC WORKS SHOPS COMPLEX	LS	5,000
441.10	PWRMS WARHOUSE	LS	14,900
610.10	PERSONNEL SUPPORT COMPLEX	37,000 SF	4,900
740.43	GYMNASIUM	LS	4,100
740.74	CHILD DEV CTR ADDITION	5,500 SF	1,900
	TOTAL		36,800

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

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	2,000

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 (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	2,000
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 at 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	2-89
(b)	Percent Complete as of January 1990	50
(c)	Date Design 35% Complete	9-89
(d)	Date Design Complete	6-90

(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: 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
FLEET ANTISUB WARFARE TRAINING CENTER PACIFIC, 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 09/30/88	128	949	96	46	2126	0	0	0	0	3345
b. END FY 1994	126	1060	95	83	2846	0	0	0	0	4210

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(37)	
b. INVENTORY TOTAL AS OF 30 SEP 88		38,360
c. AUTHORIZATION NOT YET IN INVENTORY		5,020
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,450
g. REMAINING DEFICIENCY		19,540
h. GRAND TOTAL		66,470

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	APPLIED INSTR BLDG ADDN	19,680 SF	2,100	11/88	01/90
	TOTAL		2,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

155.20	SMALL CRAFT BERTHING	1,590 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.

OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: ($000)

A:	POLLUTION ABATEMENT	140
B:	INSTALLATION RESTORATION	30
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
FLEET ANTI-SUBMARINE WARFARE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA	APPLIED INSTRUCTION BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-228	2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
APPLIED INSTRUCTION BUILDING ADDITION. . . .	SF	19,680	90.00	1,770
SUPPORTING FACILITIES.	-	-	-	130
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(130)
SUBTOTAL	-	-	-	1,900
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	2,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame vertical building addition, insulated metal panel walls, reinforced concrete roof, fire protection system, mechanical ventilation, utility connections; relocate existing parapet and roof equipment.

11. REQUIREMENT: 420,910 SF. ADEQUATE: 401,230 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides vertical addition to an applied instruction building to house consolidated learning centers and instructor's office spaces. (Current mission.)
REQUIREMENT: Adequate and properly-configured facilities to accommodate digital electronics training.
CURRENT SITUATION: Digital electronics training is conducted in various buildings in the San Diego complex.
IMPACT IF NOT PROVIDED: Mission requirements of the digital electronics training objectives will not be met, creating a serious deficit in electronics training vital to all advanced surface and sonar systems in the fleet.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET ANTI-SUBMARINE WARFARE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
APPLIED INSTRUCTION BUILDING ADDITION	P-228

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..... 100
(c) Date Design 35% Complete..... 5-89
(d) Date Design Complete..... 1-90

(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..... (60)
(c) Total..... 155
(d) Contract..... (120)
(e) In-house..... (35)

(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
FLEET COMBAT TRAINING CENTER PACIFIC, 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 09/30/88	164	647	329	64	173	0	9	1	0	1387
b. END FY 1994	168	677	342	77	127	0	9	1	0	1401

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(91)	
b. INVENTORY TOTAL AS OF 30 SEP 88		29,250
c. AUTHORIZATION NOT YET IN INVENTORY		300
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		15,260
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		6,250
h. GRAND TOTAL		51,060

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	APPLIED INSTR BLDG ADDN	LS	620	09/88	06/89
21.11	BEQ AND MESS HALL	94,640 SF	14,640	12/88	06/90
	TOTAL		15,260		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide training in the operation and employment of specified tactical combat direction and control systems in naval warfare; support operational commanders in the evaluation, development, and analysis of naval warfare doctrines and tactics.

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

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

DD FORM 1390
1DEC76

PAGE NO.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET COMBAT TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA	BACHELOR ENLISTED QUARTERS AND MESS HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	721.11	P-033	14,640

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS AND MESS HALL . .	SF	94,840	-	10,110
BACHELOR ENLISTED QUARTERS	SF	73,500	90.00	(6,620)
MESS HALL.	SF	18,920	170.00	(3,220)
CORE ADMINISTRATION BUILDING	SF	2,420	111.00	(270)
SUPPORTING FACILITIES.	-	-	-	3,110
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(250)
ELECTRICAL UTILITIES	LS	-	-	(680)
MECHANICAL UTILITIES	LS	-	-	(500)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,680)
SUBTOTAL	-	-	-	13,220
CONTINGENCY (5%)	-	-	-	660
TOTAL CONTRACT COST.	-	-	-	13,880
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	760
TOTAL REQUEST.	-	-	-	14,640
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three three-story and two one-story reinforced concrete and masonry buildings, pile foundations, engineered fill, concrete floors and roof panels, built-up roofs, fire protection and alarm systems, ventilation, utilities; 95 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; kitchen equipment. Grade mix: 197 E1-E4, 61 E5-E6, 15 E7-E9. Total: 273.

11. REQUIREMENT: 273 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 273 enlisted students and dining facilities for 685 personnel aboard the base. (Current mission.)
REQUIREMENT: Adequate housing and messing facilities for 21,000 students, whose number is projected to increase to 22,600. This activity and its tenant commands conduct operational, technical, and tactical training.
CURRENT SITUATION: No berthing or messing facilities exist at this activity. Students are currently transported from other activities or from shipboard locations to attend training. These other-base bachelor enlisted quarters will no longer be available to the students after 1989. This loss of housing will require the use of public housing and messing.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

FLEET COMBAT TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS AND MESS HALL	P-033

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Because of the increasing student load and the future need to use public housing, the inefficient utilization of time, limited staff, and housing and messing funds will impair efficiency and mission fulfillment.

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..... 12-88
- (b) Percent Complete as of January 1990..... 75
- (c) Date Design 35% Complete..... 7-89
- (d) Date Design Complete..... 6-90

(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..... (765)
- (b) All Other Design Costs..... (355)
- (c) Total..... 1120
- (d) Contract..... (1065)
- (e) In-house..... (55)

(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, SAN DIEGO, CALIFORNIA	NAVAL MEDICAL COMMAND	1.21

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	1030	1708	890	0	810	0	0	0	0	4438
b. END FY 1994	1123	1622	890	0	870	0	0	0	0	4505

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(121)	
b. INVENTORY TOTAL AS OF 30 SEP 88		156,030
c. AUTHORIZATION NOT YET IN INVENTORY		22,150
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		179,680

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
852.10	PARKING STRUCTURE	LS	1,500	06/89	05/90
	TOTAL		1,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide a comprehensive range of emergency, outpatient, and inpatient health care services to active duty Navy and Marine Corps personnel, and active duty members of other Federal Uniformed Services. Ensure that all assigned military personnel are properly trained for the performance of their assigned, contingency, and wartime duties. Conduct appropriate education programs for Naval Medical students and Medical Department officers.

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

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

DD FORM 1390
1DEC78

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA	PARKING STRUCTURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807795N	852.10	P-606	1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PARKING STRUCTURE.	LS	-	-	1,350
STRUCTURE.	LS	-	-	(1,300)
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(50)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Pre-cast and poured-in-place reinforced concrete parking structure, connect to existing structure, alter adjacent surface parking, lighting, drainage, site improvements, signage and marking.
Scope approximately 500 spaces.

11. REQUIREMENT: As Required.

PROJECT: Provides multi-level automobile parking structure to accommodate 500 vehicles. (Current mission.)

REQUIREMENT: Adequate parking in proximity of the hospital, out-patient clinics, training buildings, and quarters for 3,000 staff and 1,000 students. The additional parking will also be available for the faculty, out-patients, and visitors.

CURRENT SITUATION: Private vehicles are the most convenient and efficient mode of transportation for commuting to or visiting the hospital. All existing parking spaces are filled during the work day. There is a public parking lot, remote from the hospital grounds, or one can suffer a delay or long waiting periods while awaiting a parking space near the hospital. Many patients and visitors witness lost time and schedule problems.

IMPACT IF NOT PROVIDED: Continued delays, lost time, and scheduling problems as eligible beneficiaries, staff, and students will be unable to park nearby to use major hospital assets.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
PARKING STRUCTURE	P-606

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	6-89
(b)	Percent Complete as of January 1990	40
(c)	Date Design 35% Complete	11-89
(d)	Date Design Complete	5-90

(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	(35)
(c)	Total	105
(d)	Contract	(90)
(e)	In-house	(15)

(4) Construction start: 2-91 (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 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 09/30/88	54	225	2967	0	10	0	21	94	792	4163
b. END FY 1994	58	235	3167	0	10	0	20	92	824	4406

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,771)	
b. INVENTORY TOTAL AS OF 30 SEP 88		67,500
c. AUTHORIZATION NOT YET IN INVENTORY		8,660
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		11,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		4,500
h. GRAND TOTAL		100,060

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310.23	COMBINED RESEARCH LAB	267,000 SF	11,700	12/88	06/90
	TOTAL		11,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

315.20	ANTI-SUB WARFARE SYS LAB	36,000 SF	7,700
	TOTAL		7,700

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	11,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBINED RESEARCH LABORATORY	SF	267,000	-	9,370
BUILDING	SF	80,000	112.00	(9,000)
TEST POOL	SF	187,000	2.00	(370)
SUPPORTING FACILITIES	-	-	-	1,190
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(80)
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 (5.5%)	-	-	-	610
TOTAL REQUEST	-	-	-	11,700
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; controlled test pool.

11. REQUIREMENT: 559,630 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 test pool 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 (C^3), Surveillance, ASW, Deep Ocean Engineering, and Intelligence. Basic engineering diciplines 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 befcre 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
environment. In the Ocean Engineering area, a controlled hydrodynamic test pool 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 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 C^3, 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 status: (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..... 7-89
(d) Date Design Complete..... 6-90

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	490
(b)	All Other Design Costs	190
(c)	Total	680
(d)	Contract	630
(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.

S/N 0102-LF-001-3915

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

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL STATION, 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 09/30/88	2768	34044	3013	221	4882	0	226	417	0	45571
b. END FY 1994	2271	30629	3013	290	5166	0	179	1401	0	42949

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,500)	
b. INVENTORY TOTAL AS OF 30 SEP 88		207,010
c. AUTHORIZATION NOT YET IN INVENTORY		56,140
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,430
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		13,920
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		270,420
h. GRAND TOTAL		555,920

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.15	BRIG	48,250 SF	8,430	04/87	01/90
	TOTAL		8,430		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

151.20	BERTHING PIER EXPANSION	126,000 SF	12,900
722.10	MESS HALL ADDITION	380 PN	1,020
	TOTAL		13,920

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide homeport facilities for warships, amphibious ships, and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel support, athletic, recreational, berthing, messing, morale, and other logistics facilities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	6,600
B: INSTALLATION RESTORATION	11,440
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, SAN DIEGO, CALIFORNIA	BRIG

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	730.15	P-224	8,430

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BRIG	SF	48,250	125.00	6,030
SUPPORTING FACILITIES	-	-	-	1,580
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(350)
MECHANICAL UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(810)
SUBTOTAL	-	-	-	7,610
CONTINGENCY (5%)	-	-	-	380
TOTAL CONTRACT COST	-	-	-	7,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	440
TOTAL REQUEST	-	-	-	8,430
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story reinforced concrete frame building, concrete foundation and floors, masonry walls, precast concrete roof deck, engineered fill; includes dormitories, cells, processing and exam rooms, administration, counseling, multi-purpose room with food service line; emergency generator; fire protection system, air conditioning, utilities; demolition of three buildings.

11. REQUIREMENT: 50,260 SF. ADEQUATE: 2,010 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides brig facilities meeting current criteria for this function and security. The brig will be sized to accommodate 125 persons. (Current mission.)
REQUIREMENT: An adequate brig in the San Diego area to hold prisoners awaiting trial and those with a minor sentence of up to 30 days. The offenders and accused are Navy personnel from both ships and shore activities and from the coastal area.
CURRENT SITUATION: Existing brig facilities, in three buildings, are undersized, a fire hazard, and limited in service, exercise and work areas. Building configuration is inadequate from a security point, and there are no messing facilities.
IMPACT IF NOT PROVIDED: Continue to operate under current conditions, but will not be able to provide prisoners with accommodations required by Navy standards. The activity will be unable to provide naval units in the area with brig support. Lack of adequate facilities will cause morale and discipline problems. (Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL STATION, SAN DIEGO, CALIFORNIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
BRIG	P-224

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	4-87
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	10-87
(d)	Date Design Complete	1-90

(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	(390)
(b)	All Other Design Costs	(380)
(c)	Total	770
(d)	Contract	(700)
(e)	In-house	(70)

(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 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 09/30/88	504	5776	69	38	96	0	8	605	0	7096
b. END FY 1994	479	5784	69	23	81	0	8	49	0	6493

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(314)	
b. INVENTORY TOTAL AS OF 30 SEP 88		57,900
c. AUTHORIZATION NOT YET IN INVENTORY		30,490
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		16,110
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		16,730
g. REMAINING DEFICIENCY		45,320
h. GRAND TOTAL		170,750

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.12	BACHELOR ENLISTED QUARTERS	114,770 SF	15,670	05/87	06/90
832.40	OILY WASTE SYSTEM	LS	440	09/88	06/89
	TOTAL		16,110		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

213.77	SHIP SPARES STRG FAC	18,100 SF	1,700
812.30	POWER UPGRADE PIER	LS	2,500
	TOTAL		4,200

B. MAJOR PLANNED NEXT THREE YEARS:

179.40	SMALL ARMS RANGE	LS	630
721.12	BACHELOR ENLISTED QUARTERS	82,000 SF	11,200
730.20	POLICE STATION	10,440 SF	1,900

10. MISSION OR MAJOR FUNCTIONS:

Provide logistic support for submarines and shore activities, including berthing, messing, recreation, records, morale, and other general base 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	721.12	P-048	15,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	114,770	-	12,070
BUILDING	SF	114,770	70.00	(8,000)
VEHICLE PARKING BUILDING	LS	-	-	(3,060)
BOWLING CENTER	LS	-	-	(1,010)
SUPPORTING FACILITIES	-	-	-	2,070
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,080)
UTILITIES	LS	-	-	(570)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(420)
SUBTOTAL	-	-	-	14,140
CONTINGENCY (5%)	-	-	-	710
TOTAL CONTRACT COST	-	-	-	14,850
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	820
TOTAL REQUEST	-	-	-	15,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Eight-story reinforced concrete and masonry building, pile foundation, concrete floors, built-up roof,fire protection system, elevators, utilities; 140 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; three-story reinforced concrete vehicle parking building designed for 248 cars with expansion capability; 10-lane bowling center; demolition of one building.
Grade mix: 280 E5-E6. Total: 280.

11. REQUIREMENT: 1,777 PN. ADEQUATE: 1,383 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 280 enlisted personnel. (Current mission.)
REQUIREMENT: Adequate housing for 1,777 enlisted personnel either assigned to this activity, stationed aboard submarines homeported here, or at tenant commands.
CURRENT SITUATION: Existing adequate berthing capacity of 1,383 spaces including 1,093 adequate spaces on base, accommodations found by 95 personnel in the local community, and 195 spaces funded in the FY 1987 Military Construction Program, is insufficient, resulting in overcrowding. A new construction deficiency of 394 adequate billeting spaces exists. After construction of the spaces requested by this project the remaining projected space deficit which has increased because of a steady increase in submarine homeporting requirements, will be satisfied by a follow-on project currently proposed for FY 1992. All projected space requirements are revalidated annually by a new survey, which updates planning projections.
(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-048

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Overcrowding of adequate facilities will continue. Personnel will be berthed in facilities below minimum standards of adequacy, or they must seek off-base housing at locations that sometimes exceed 30 miles from the base, because of the shortage of affordable housing in this expensive San Diego retirement area. This situation adversely affects morale and retention, and makes immediate mobilization difficult.

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..... 5-87
- (b) Percent Complete as of January 1990..... 50
- (c) Date Design 35% Complete..... 12-87
- (d) Date Design Complete..... 6-90

(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..... (600)
- (b) All Other Design Costs..... (200)
- (c) Total..... 800
- (d) Contract..... (730)
- (e) In-house..... (70)

(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 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 09/30/88	35	4	1425	0	0	45	0	0	0	1509
b. END FY 1994	37	5	1425	0	0	45	0	0	0	1512

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(849)	
b. INVENTORY TOTAL AS OF 30 SEP 88		74,780
c. AUTHORIZATION NOT YET IN INVENTORY		13,000
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,340
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,900
g. REMAINING DEFICIENCY		5,350
h. GRAND TOTAL		101,370

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
431.10	COLD STORAGE WAREHOUSE	34,920 SF	6,340	11/88	01/90
	TOTAL		6,340		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

441.30	HAZ/FLAMM STOREHOUSE ADDN	10,400 SF	1,900

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	6,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COLD STORAGE WAREHOUSE	SF	34,920	-	5,080
BUILDING	SF	34,920	122.00	(4,260)
BUILT-IN EQUIPMENT	LS	-	-	(820)
SUPPORTING FACILITIES	-	-	-	650
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(90)
UTILITIES	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	5,730
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST	-	-	-	6,010
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	330
TOTAL REQUEST	-	-	-	6,340
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, 46-foot high stacking height, central refrigeration system, air conditioning system, emergency electric power system, fire protection system, utilities.

11. REQUIREMENT: 34,920 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

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 and Long Beach areas.

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.

(Continued on DD 1391c)

S/N 0102 LF-001 3910

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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: 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 from the Broadway Compound.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (335)
- (b) All Other Design Costs..... (175)
- (c) Total..... 510
- (d) Contract..... (465)
- (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. 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 09/30/88	159	1589	421	42	11665	0	0	252	0	14128
b. END FY 1994	158	1688	421	56	12124	0	0	254	0	14701

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(546)	
b. INVENTORY TOTAL AS OF 30 SEP 88		79,910
c. AUTHORIZATION NOT YET IN INVENTORY		17,900
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		11,950
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		22,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		27,590
g. REMAINING DEFICIENCY		29,400
h. GRAND TOTAL		189,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.50	SMALL ARMS RANGE	33,200 SF	4,000	11/88	01/90
721.14	BARRACKS	44,720 SF	5,600	11/88	01/90
740.74	CHILD CARE CENTER	20,400 SF	2,350	11/88	01/90
	TOTAL		11,950		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
171.20	WELDER TRAINING FACILITY	62,090 SF	8,700
721.11	BARRACKS	720 PN	14,200
	TOTAL		22,900
B. MAJOR PLANNED NEXT THREE YEARS:			
171.10	APPRENTICE TRNG BLDG	55,670 SF	6,190
730.83	CHAPEL AND RECRUIT SPT CTR	33,290 SF	5,500
843.10	FIRE PROTECTION SYS	75,000 SF	560

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	5,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	44,720	-	4,200
BERTHING SPACE	SF	41,580	92.00	(3,820)
SUPPORT SPACE	SF	3,140	120.00	(380)
SUPPORTING FACILITIES	-	-	-	860
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(400)
ELECTRICAL UTILITIES	LS	-	-	(60)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(300)
SUBTOTAL	-	-	-	5,060
CONTINGENCY (5%)	-	-	-	250
TOTAL CONTRACT COST	-	-	-	5,310
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	290
TOTAL REQUEST	-	-	-	5,600
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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

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

11. REQUIREMENT: (Continued)
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 reention efforts.
ADDITIONAL: "A" school students are not eligible for civilian community housing.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (275)
- (b) All Other Design Costs..... (105)
- (c) Total..... 380
- (d) Contract..... (340)
- (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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	740.74	P-349	2,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CHILD CARE CENTER.	SF	20,400	88.00	1,800
SUPPORTING FACILITIES.	-	-	-	320
ELECTRICAL UTILITIES	LS	-	-	(140)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(130)
SUBTOTAL	-	-	-	2,120
CONTINGENCY (5%)	-	-	-	110
TOTAL CONTRACT COST.	-	-	-	2,230
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, metal roof deck with clay tile roof, roads, outdoor playground area, fencing, fire protection system, ventilation, utilities.

11. REQUIREMENT: 20,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides a child care center to accommodate school and pre-school age children and infants. (Current mission.)

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 parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to military personnel and their dependents.

CURRENT SITUATION: The child care function is presently being accomplished in a facility which offers insufficient capacity to care for the desired number of children. The existing facility not only lacks enough spatial capacity to accommodate the physical needs, but also the building is located directly under the San Diego International Airport's flight path, and is adjacent to the main entry and the golf course. This building location produces a set of hazardous conditions for the children and the staff of the center.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
CHILD CARE CENTER	P-349

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Child care service will continue to be provided in an inadequate facility which offers very poor safety, accoustical, and spatial environments for the children and the staff of the child care center.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (75)
- (c) Total..... 195
- (d) Contract..... (60)
- (e) In-house..... (135)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SMALL ARMS RANGE	SF	33,200	-	2,910
INDOOR ARMS RANGE	SF	20,700	69.00	(1,430)
ARMORY	SF	4,500	122.00	(550)
INSTRUCTION AND ADMINISTRATION	SF	8,000	116.00	(930)
SUPPORTING FACILITIES	-	-	-	700
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(90)
ELECTRICAL UTILITIES	LS	-	-	(180)
MECHANICAL UTILITIES	LS	-	-	(150)
PAVING AND SITE IMPROVEMENT	LS	-	-	(280)
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	210
TOTAL REQUEST	-	-	-	4,000
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: 33,200 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
CURRENT SITUATION: (Continued)
from the range. Sanitary waste facilities are undersized for the volume of use. Existing buildings are approximately 60 years old and in consistent 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 facilities will continue to impede the effectiveness of recruit training.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (150)
- (c) Total..... 350
- (d) Contract..... (305)
- (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. 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	16	5	2232	0	0	0	0	0	0	2253
b. END FY 1994	15	5	2022	0	0	0	0	0	0	2042

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,083)	
b. INVENTORY TOTAL AS OF 30 SEP 88		307,740
c. AUTHORIZATION NOT YET IN INVENTORY		19,850
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		21,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		23,240
f. PLANNED IN NEXT THREE PROGRAM YEARS		16,250
g. REMAINING DEFICIENCY		47,280
h. GRAND TOTAL		435,570

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
219.10	PUBLIC WORKS SHOPS	71,090 SF	8,900	11/88	01/90
812.30	ELECTR DISTR SYS UPGRD	LS	9,000	05/89	11/90
822.12	STEAM DISTR SYS IMPROVS	LS	3,300	11/88	01/90
	TOTAL		21,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
214.20	AUTO VEH MAINT/HOLD SHED	54,280 SF	9,240
812.30	ELEC DISTRIBUTION SYSTEM	LS	14,000
	TOTAL		23,240
B. MAJOR PLANNED NEXT THREE YEARS:			
441.30	HAZ/FLAMMABLE WAREHOUSE	LS	1,950
812.30	ELECTR DISTR SYSTEM IMPVS	LS	14,300

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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA	ELECTRICAL DISTRIBUTION SYSTEM UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	812.30	P-116	9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM UPGRADE . . .	LS	-	-	8,120
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST.	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	470
TOTAL REQUEST.	-	-	-	9,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Upgrade electrical distribution system at Point Loma, including distribution lines, switching stations, transformer stations, substations, street lighting, and telephone, fire alarm and security systems.

11. REQUIREMENT: As Required.

PROJECT: Upgrades primary electric power distribution systems for Naval activities on Point Loma; provides loop feeders; replaces obsolete transformers and switching stations. (Current mission.)

REQUIREMENT: Comprehensive upgrading of the electric power distribution system to provide adequate, reliable electric power for existing facilities and new construction. This upgrading is necessary to meet the electric power demand of expanded facilities complexes in the northern sector of the Point Loma peninsula. Activities involved are the Naval Ocean Systems Center (NOSC) and tenants, and the Fleet Combat Training Center (FCTC) and tenants. Continued growth at NOSC and FCTC make the upgrading of electric power systems a high priority. A major laboratory was completed at NOSC in 1986, with additional facilities programmed. At FCTC, a tenant occpuied a major new computer operations center in 1987.

CURRENT SITUATION: NOSC and FCTC obtain electric power from a primary 12.5KV commercial electric power source connected to a central switching station at the northern end of the Point Loma complex. Secondary power is distributed southward through Navy duct banks and pole lines. A second substation is used to step-down the voltage. Another feeder supplies a

(Continued on DD 1391c)

S/N 0102 LF 001-3010

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	3. DATE
NAVY		

2. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRICAL DISTRIBUTION SYSTEM UPGRADE	P-116

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
remote Navy sewage pumping station. Existing electric power distribution is radial and vulnerable to complete extended outages from accident or sabotage. The older overhead section dates from 1922 and is not accessible by service roads. Transformers are no longer reliable.
IMPACT IF NOT PROVIDED: Electric power-load growth attributable to on-going facilites growth in the northern sector of Point Loma will outstrip the capacity of the present distribution system. Reliability of the electric power supply to vital fleet support, training, and research facilities will remain low. Modern electric power transmission voltage and loop design will not be achieved.

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..... 7-86
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 12-86
- (d) Date Design Complete..... 1-88

(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..... (440)
- (b) All Other Design Costs..... (350)
- (c) Total..... 790
- (d) Contract..... (760)
- (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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA	PUBLIC WORKS SHOPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	219.10	P-072	8,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS SHOPS	SF	71,090	-	4,660
SHOPS	SF	57,590	64.00	(3,660)
PERSONNEL BUILDING	SF	13,500	74.00	(1,000)
SUPPORTING FACILITIES	-	-	-	3,380
ELECTRICAL UTILITIES	LS	-	-	(490)
MECHANICAL UTILITIES	LS	-	-	(1,040)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,600)
DEMOLITION	LS	-	-	(250)
SUBTOTAL	-	-	-	8,040
CONTINGENCY (5%)	-	-	-	400
TOTAL CONTRACT COST	-	-	-	8,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	460
TOTAL REQUEST	-	-	-	8,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame building, concrete foundation and floor, reinforced concrete tilt-up wall panels, built-up roof over rigid insulation on steel deck; one-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof over steel deck; fire protection system, utilities, air conditioning, computer flooring; demolition of five buildings.

11. REQUIREMENT: 71,090 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs public works shops, storage areas, and an associated civilian personnel department facility at the Naval Station, San Diego. (Current mission.)
REQUIREMENT: Adequate and properly-configured work spaces strategically located to provide public works services efficiently and economically and to directly support the fleet and waterside activities at the Naval Station. The center's shops provide major maintenance, repair, and overhaul for station facilities. It is necessary to consolidate the metal working, emergency services, plumbing, electrical, carpenter, riggers and miscellaneous services, shops and laydown work and storage areas to support the workload. This project has been determined to be the lowest cost alternative to properly locate service facilities and also provide an annual savings of over $500,000.
CURRENT SITUATION: The center employs a staff of about 1,500 shop personnel at the Naval Station in facilities that were never designed for shop use

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
PUBLIC WORKS SHOPS	P-072

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
and are in extremely inadequate condition. The facilities do not comply with building codes for seismic and fire protection and cannot be upgraded through repair and minor construction efforts. The center's shop facilities at Naval Station alone include 22 buildings, scattered in several locations, the majority of which are wood-frame structures built in the 1940's. Work efficiency is greatly reduced because of unnecessary travel time wasted between multiple locations of shops and work sites to accomplish a single job.
IMPACT IF NOT PROVIDED: Fragmented operations and personnel will continue to be housed in extremely inadequate facilities, some at great distances from the fleet activities they support, with resulting adverse impact on the quality of direct support to the fleet and associated waterfront activities.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (410)
- (b) All Other Design Costs..... (200)
- (c) Total..... 610
- (d) Contract..... (550)
- (e) In-house..... (60)

(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 PROJECT DATA	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	3,300

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 (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,300
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(130)
(c)	Total	230
(d)	Contract	(180)
(e)	In-house	(50)

(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 FRANCISCO, 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 09/30/88	11	6	1284	0	0	0	0	0	0	1301
b. END FY 1994	13	6	1371	0	0	0	0	0	0	1390

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(696)	
b. INVENTORY TOTAL AS OF 30 SEP 88		124,370
c. AUTHORIZATION NOT YET IN INVENTORY		33,730
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		11,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		5,800
h. GRAND TOTAL		178,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
219.10	PUBLIC WORKS SHOPS	176,020 SF	11,200	11/88	01/90
	TOTAL		11,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

811.09	ELEC POWER DIST	LS	3,000
	TOTAL		3,000

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 public works 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVY PUBLIC WORKS CENTER, SAN FRANCISCO, CALIFORNIA	PUBLIC WORKS SHOPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	219.10	P-061	11,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PUBLIC WORKS SHOPS	SF	176,020	-	7,700
PUBLIC WORKS BUILDING	SF	78,020	66.00	(5,150)
MAINTENANCE STORAGE WAREHOUSE RENOVATION	SF	98,000	26.00	(2,550)
SUPPORTING FACILITIES	-	-	-	2,410
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(850)
UTILITIES	LS	-	-	(190)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
DEMOLITION	LS	-	-	(1,150)
SUBTOTAL	-	-	-	10,110
CONTINGENCY (5%)	-	-	-	510
TOTAL CONTRACT COST	-	-	-	10,620
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	580
TOTAL REQUEST	-	-	-	11,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame building, insulated metal siding and roof, pile foundation, concrete floors, mezzanine, ventilation, fire protection system, utilities; renovation includes rearrangement of interior partitions and areas; demolition of two buildings.

11. REQUIREMENT: 176,020 SF. ADEQUATE: 0 SF. SUBSTANDARD: (98,000) SF.
PROJECT: Constructs public works shops facilities, renovates building for maintenance storage to consolidate functions. (Current mission.)
REQUIREMENT: Adequate maintenance shops including woodworking, electrical, refrigeration, air-conditioning, heating, plumbing, metal working, machine, welding, painting, tool issue, office space and maintenance storage. The center provides repair and maintenance of supported military installation facilities, including installed equipment, and utility systems. Prudent management requires consolidation of existing functions into one central location.
CURRENT SITUATION: Maintenance shops and associated materials storage functions occupy eight buildings at widely dispersed locations in Oakland. When the center was established in 1974, it was necessary to utilize whatever buildings were available at the supply center. Existing buildings to be vacated will either be converted to supply facilities or demolished for construction of new supply facilities. Costs of public works services

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, SAN FRANCISCO, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
PUBLIC WORKS SHOPS	P-061

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
to the center's customers are higher because of less efficient operations inherent in using fragmented and widely dispersed facilities. Navy Public Works Centers are tasked to achieve competitiveness and cost effectiveness and, through their corporate improvement plans, to increase labor productivity by 25% and cut total cost for maintenance and repair services by 25%.
IMPACT IF NOT PROVIDED: The center will not be able to continue with cost cutting efficiency improvements. Distances between shops, materials storage and administrative support facilities will continue to result in significant lost time and money in day-to-day operations.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (600)
- (b) All Other Design Costs..... (50)
- (c) Total..... 650
- (d) Contract..... (620)
- (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 WEAPONS STATION, SEAL BEACH, CALIFORNIA	NAVAL SEA SYSTEMS COMMAND	1.19

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	16	108	2396	0	0	0	0	0	0	2520
b. END FY 1994	13	108	2315	0	0	0	0	0	0	2436

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(13,981)	
b. INVENTORY TOTAL AS OF 30 SEP 88		76,780
c. AUTHORIZATION NOT YET IN INVENTORY		29,860
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,830
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		30,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		12,300
g. REMAINING DEFICIENCY		44,520
h. GRAND TOTAL		202,790

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	8,830	11/88	01/90
	TOTAL		8,830		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

212.30	MISSILE PRODUCTION FAC	49,000 SF	8,700
316.10	TOMAHAWK TEST CELL	LS	1,500
316.10	AMMUNITION LABORATORY	LS	3,700
421.72	MISSILE MAGAZINES	17,790 SF	3,600
421.72	MISSILE MAGAZINES	LS	10,500
421.72	HARM MAGAZINE	LS	2,500
	TOTAL		30,500

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	700
B:	INSTALLATION RESTORATION	24,300
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 WEAPONS STATION, SEAL BEACH, CALIFORNIA	WEAPONS TESTING AND EVALUATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	315.30	P-171	8,830

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS TESTING AND 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 (5.5%). .	-	-	-	460
TOTAL REQUEST.	-	-	-	8,830
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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA

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

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
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 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 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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (200)
- (c) Total..... 640
- (d) Contract..... (600)
- (e) In-house..... (40)

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
WEAPONS TESTING AND EVALUATION FACILITY	P-171

12. SUPPLEMENTAL DATA: (Continued)

(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)
Graphic Work Stations, Computer Systems, Large Screen Displays	NIF(ACP)	1990 - 1994	7,250

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

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL SECRUITY 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 09/30/88	16	270	47	0	10	0	0	0	0	343
b. END FY 1994	18	267	47	0	56	0	0	0	0	388

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,309)	
b. INVENTORY TOTAL AS OF 30 SEP 88		12,600
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,480
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		19,990
h. GRAND TOTAL		34,070

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	1,480	10/88	09/89
	TOTAL		1,480		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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 19_91 MILITARY CONSTRUCTION PROJECT DATA	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)
0305896N	841.50	P-073	1,472

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER SYSTEM	LS	-	-	1,030
WELL	LS	-	-	(230)
PIPELINE	LS	-	-	(800)
SUPPORTING FACILITIES	-	-	-	300
UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(100)
SUBTOTAL	-	-	-	1,330
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,400
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	72
TOTAL REQUEST	-	-	-	1,472
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Water well; 6-inch pipeline; pumping station; right-of-way easement; 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, piping; acquires interest in approximately 0.25 acres of land. (Current mission.)

REQUIREMENT: A dependable potable water supply to accommodate the domestic water needs of 280 military personnel and their dependents, and 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 well 6. 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 well 6 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.

(Continued on DD 1391c)

S/N 0102-LF-001-3910

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

11. REQUIREMENT: (Continued)
ADDITIONAL: An economic analysis comparing construction of an off-site water well and 33,080-feet of pipeline with construction of a water treatment plant and connection to the closest water agency has been completed. Construction of the well and pipeline was shown as the most economic solution to provide a sufficient and dependable quantity of potable water meeting water quality standards.

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	10-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	3-89
(d)	Date Design Complete	9-89

(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	(50)
(b)	All Other Design Costs	(5)
(c)	Total	55
(d)	Contract	(45)
(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
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 09/30/88	221	1448	1204	30	2400	0	454	5336	0	11093
b. END FY 1994	190	1275	627	30	2431	0	482	5447	770	11252

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(595,589)	
b. INVENTORY TOTAL AS OF 30 SEP 88		181,370
c. AUTHORIZATION NOT YET IN INVENTORY		100,110
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		25,880
g. REMAINING DEFICIENCY		147,250
h. GRAND TOTAL		473,710

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214.53	FIELD MAINTENANCE SHOP	4,730 SF	3,600	11/88	01/90
214.55	INDUST WSTWTR TRTMNT FACS	LS	2,200	11/88	01/90
841.40	POTABLE WATER STORAGE TANK	4,500,000 GA	4,300	11/88	01/90
	TOTAL		10,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
143.45	ARMORY	LS	1,600
740.74	CHILD CARE CENTER	25,550 SF	4,100
831.10	NON-POTABLE WATER SYSTEM	760,000 GA	3,300
	TOTAL		9,000
B. MAJOR PLANNED NEXT THREE YEARS:			
111.10	CONCRETE RUNWAY	218,120 SY	19,000
740.74	COMM LIB & EDUCATNL CTR	46,880 SF	6,250

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	3,600

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
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(60)
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL	-	-	-	3,250
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,410
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	190
TOTAL REQUEST	-	-	-	3,600
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 system, 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

11. REQUIREMENT: (Continued)
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.

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(150)
(c)	Total	340
(d)	Contract	(285)
(e)	In-house	(55)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	4,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POTABLE WATER STORAGE TANK	MG	4.5	-	3,890
STEEL TANK	LS	-	-	(2,300)
PIPING	LS	-	-	(1,170)
PUMP STATION AND CONTROL SYSTEM	LS	-	-	(110)
UTILITIES	LS	-	-	(310)
SUBTOTAL	-	-	-	3,890
CONTINGENCY (5%)	-	-	-	190
TOTAL CONTRACT COST	-	-	-	4,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	220
TOTAL REQUEST	-	-	-	4,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One 4.5 million gallon steel water storage tank, supply pump station, water distribution system piping, inter-connections between the new and existing reservoirs; utilities.

11. REQUIREMENT: 6.5 MG. ADEQUATE: 2.0 MG. SUBSTANDARD: 0 MG.
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(165)
(c)	Total	390
(d)	Contract	(350)
(e)	In-house	(40)

(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 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 09/30/88	1119	9423	1990	291	2507	0	11	357	0	15698
b. END FY 1994	1126	9303	2050	562	2726	0	11	357	0	16135

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,405)	
b. INVENTORY TOTAL AS OF 30 SEP 88		241,580
c. AUTHORIZATION NOT YET IN INVENTORY		17,680
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		26,270
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		30,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		73,610
g. REMAINING DEFICIENCY		10,510
h. GRAND TOTAL		399,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
154.20	QUAYWALL REPLACEMENT	LS	9,100	11/88	01/90
165.10	THAMES RIVER DREDGING	2,000,000 CY	7,770	12/88	06/90
724.11	BACHELOR OFFICER QTRS MODN	105,530 SF	4,700	11/88	01/90
811.25	STEAM TURBINE GENERATOR	LS	4,700	11/88	01/90
	TOTAL		26,270		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM		
151.50	REPLACE PIER 1	LS	7,200
411.10	UNDERGROUND TANK REPLACMNT	LS	3,000
441.10	WAREHOUSE IMPR	LS	4,000
721.11	BEQ	LS	12,400
911.10	LAND ACQUISITION	LS	3,400
	TOTAL		30,000

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 Two
Submarine Medical Center (Hospital)
Submarine School
Submarine Squadron Ten (State Pier)
Submarine Development Squadron 12
Submarine Medical Research Laboratory
Naval Undersea Medical Institute
Marine Barracks

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 PROJECT DATA	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	4,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR OFFICER QUARTERS MODERNIZATION. . .	SF	105,530	40.00	4,170
SUPPORTING FACILITIES.	-	-	-	80
UTILITIES.	LS	-	-	(80)
SUBTOTAL	-	-	-	4,250
CONTINGENCY (5%)	-	-	-	210
TOTAL CONTRACT COST.	-	-	-	4,460
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	240
TOTAL REQUEST.	-	-	-	4,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Alterations in three buildings including partitions, new floor, wall, and ceiling coverings, bathroom fixtures, doors, intercom system, telephone and cable TV outlets, fire protection and alarm systems, air conditioning, utilities; energy monitoring and control system; stairs.
Grade mix: 54 W1-02, 51 03-above. Total: 105.

11. REQUIREMENT: 641 PN. ADEQUATE: 428 PN. SUBSTANDARD: 105 PN.
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. This 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: Adequate living quarters for bachelor officers will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts. (Continued on DD 1391c)

S/N 0102 LF 001-3910

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
BACHELOR OFFICER QUARTERS MODERNIZATION	P-130

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(70)
(c)	Total	325
(d)	Contract	(275)
(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	9,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
QUAYWALL REPLACEMENT	LS	-	-	7,800
QUAYWALL	LF	860	7,710	(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 (5.5%)	-	-	-	470
TOTAL REQUEST	-	-	-	9,100
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; 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

(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
QUAYWALL REPLACEMENT	P-413

11. REQUIREMENT: (Continued)
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.
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 dalivery 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 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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

S/N 0102-LF-001-3913

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**
QUAYWALL REPLACEMENT	P-413

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications.....	(0)
(b) All Other Design Costs.....	(430)
(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	STEAM TURBINE GENERATOR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204896N	811.25	P-391	4,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STEAM TURBINE GENERATOR	LS	-	-	4,250
SUBTOTAL	-	-	-	4,250
CONTINGENCY (5%)	-	-	-	210
TOTAL CONTRACT COST.	-	-	-	4,460
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	240
TOTAL REQUEST.	-	-	-	4,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install steam driven turbine electric power generator including condenser, piping, valves, controls and metering; structural modifications; electrical system modifications.

11. REQUIREMENT: As Required.

PROJECT: Provides a 11,500 kilowatt steam driven turbine electric power generator, ancillary equipment, and modifications to the power plant building and its utilities. (Current mission.)

REQUIREMENT: Assure adequate uninterrupted electrical service for ashore facilities, for peak shaving, and emergency conditions in support of base operations and the submarines and support ships homeported.

CURRENT SITUATION: The electric power generating capability is insufficient to support the base-wide demand when purchased power is down. Existing capacity can support the afloat units, but not shore facilities. The existing peak ashore load demand is 15,000 KW and the afloat demand is 8,000 KW. A recent study of the future demand projects a peak ashore demand of 22,000 KW and peak afloat demand of 20,000 KW by 1993. The existing power generating capacities of the power plant with all turbines running at full continuous capacity is 9,500 KW, barely enough to meet afloat demand today. This project will close the gap for required shore peak power demand. As the base continues its rapid development, the present capability of the power plant to support all activities during

(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
STEAM TURBINE GENERATOR	P-391

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
commercial power outages becomes even less effective. Load shedding drills have established that no more than ten percent reduction of the ashore facilities can be achieved without significant impact on operations. Existing electrical generating capability is also insufficient for providing economical peak shaving. Peak demands have resulted in high penalty costs charged by the commercial supplier. To avoid these penalties, the base utilizes its own generating capability to shave off the peaks thereby keeping purchased power within an acceptable range, and avoiding penalty charges which can amount to nearly $1 million per year.
IMPACT IF NOT PROVIDED: Widespread load shedding in the event of loss of commercial power will be necessary. This will adversely impact base operations. Undesirable penalty costs will be incurred as a result of inadequate peak shaving capacity.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (50)
- (c) Total..... 290
- (d) Contract..... (255)
- (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 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	7,770

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
THAMES RIVER DREDGING.	LS	-	-	13,000
SUBTOTAL	-	-	-	13,000
LESS: NATO SHARE.	-	-	-	-5,990
SUBTOTAL	-	-	-	7,010
CONTINGENCY (5%)	-	-	-	350
TOTAL CONTRACT COST.	-	-	-	7,360
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	410
TOTAL REQUEST.	-	-	-	7,770
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-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. Budget requests for long-lead funding began in FY 1989. 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 evaluation of the newly constructed submarines is scheduled to begin at

(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)
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 $5.99 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.")

(1) Status:

(a)	Date Design Started	12-88
(b)	Percent Complete as of January 1990	35
(c)	Date Design 35% Complete	7-89
(d)	Date Design Complete	6-90

(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

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..... (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 09/30/88	95	772	25	338	1548	0	0	0	0	2783
b. END FY 1994	129	839	29	381	2452	0	0	0	0	3830

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	TENANT OF NSB	
b. INVENTORY TOTAL AS OF 30 SEP 88		0
c. AUTHORIZATION NOT YET IN INVENTORY		9,540
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		15,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,300
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		26,840

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	15,000	12/88	06/90
	TOTAL		15,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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 PROJECT DATA	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	15,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL TRAINER FACILITY	SF	91,000	97.00	8,830
SUPPORTING FACILITIES.	-	-	-	4,710
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,140)
ELECTRICAL UTILITIES	LS	-	-	(880)
MECHANICAL UTILITIES	LS	-	-	(960)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,730)
SUBTOTAL	-	-	-	13,540
CONTINGENCY (5%)	-	-	-	680
TOTAL CONTRACT COST.	-	-	-	14,220
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	780
TOTAL REQUEST.	-	-	-	15,000
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, computer flooring, air conditioning and process cooling, compressed air system, security and 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (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	45
(c) Date Design 35% Complete	7-89
(d) Date Design Complete	6-90

(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	190
(c) Total	835
(d) Contract	770
(e) In-house	65

(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 09/30/88	38	107	3533	0	0	0	0	0	0	3678
b. END FY 1994	42	107	3947	0	0	0	0	0	0	4096

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,106)	
b. INVENTORY TOTAL AS OF 30 SEP 88		136,480
c. AUTHORIZATION NOT YET IN INVENTORY		50,200
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		12,220
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		29,190
h. GRAND TOTAL		237,890

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	50,000 SF	9,800	11/88	01/90
	TOTAL		9,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

312.25	SPACECRAFT/SAT LAB	80,000 SF	12,220
	TOTAL		12,220

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
This activity is a multi-disciplinary laboratory addressing almost all areas of science and technology of interest to the Navy; exceptions are medicine and weapons. The laboratory has its primary mission in the physical sciences and related fields where it conducts scientific research and development directed towards new and improved materials, equipment, tehcniques and systems. In addition, this activity is the lead laboratory in electronic warfare because of unique capabilities in this area.

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	9,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRO-OPTICS RESEARCH LABORATORY	SF	50,000	-	8,120
BUILDING ADDITION	SF	50,000	133.00	(6,650)
BUILT-IN EQUIPMENT	LS	-	-	(1,300)
TECHNICAL OPERATING MANUALS	LS	-	-	(170)
SUPPORTING FACILITIES	-	-	-	730
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	8,850
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,290
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	510
TOTAL REQUEST	-	-	-	9,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame and masonry building addition, pile foundation, concrete 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: 52,430 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
CURRENT SITUATION: (Continued)
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 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 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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (200)
- (c) Total..... 780
- (d) Contract..... (680)
- (e) In-house..... (100)

(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 AIR STATION, CECIL FIELD, 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 09/30/88	850	8300	1240	55	425	0	3	71	0	10944
b. END FY 1994	900	8450	1240	55	425	0	3	71	0	11144

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(22,880)	
b. INVENTORY TOTAL AS OF 30 SEP 88		194,660
c. AUTHORIZATION NOT YET IN INVENTORY		11,730
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,010
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		4,400
g. REMAINING DEFICIENCY		109,420
h. GRAND TOTAL		324,270

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	CENTRIFUGE TRAINER	8,700 SF	2,010	-	-
831.10	SANITARY WSTWTR SYS UPGRD	LS	2,000	04/89	05/90
	TOTAL		4,010		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

211.81	JET ENGINE TEST CELL	5,900 SF	4,400

10. MISSION OR MAJOR FUNCTIONS:
An Atlantic Fleet Master Jet station tasked with providing operational support for all east coast carrier based anti-submarine warfare aircraft (S-3), and 16 carrier-based light attack squadrons. Cecil Field is the sole east coast support site for F/A-18 squadrons.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	20
B: INSTALLATION RESTORATION	39,660
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, CECIL FIELD, FLORIDA	CENTRIFUGE TRAINER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.20	P-212	2,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CENTRIFUGE TRAINER	SF	8,700	127.00	1,110
SUPPORTING FACILITIES	-	-	-	710
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(300)
UTILITIES	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL	-	-	-	1,820
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,910
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	100
TOTAL REQUEST	-	-	-	2,010
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

High gravity-level centrifuge for human passengers in a cylindrical room with reinforced concrete foundation, pit and tunnel; peripheral rooms for control, observation, briefing and debriefing, medical emergency, equipment maintenance, storage, changing rooms, restrooms; uninterruptible power source (UPS) backup interface, Halon fire suppression, air conditioning with humidity control, fire protection and alarm systems, utilities.

11. REQUIREMENT: 8,700 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a centrifuge trainer for aircrews. (New mission.)
REQUIREMENT: Centrifuge training to prepare aircrews of high performance aircraft for high gravity (G) turns during maneuvers. High performance aircraft such as the F/A-18 are capable of high acceleration which includes high G-force rates and sustains G-levels which exceed aircrew physiological tolerances. Pilots have crashed and died during training flights after passing out during violent, high-speed turns. This blacking-out is referred to as G-LOC, or gravity-induced loss of consciousness. G-LOC occurs just beyond 5-G's. Today's aircraft can subject its pilot to 10-G's almost instantly. Current G-suits can keep a pilot conscious to about 7-G's by applying pressure to the limbs and keeping the blood in the head and upper body. To combat G-LOC, the military is developing new G-suits, helmets, and posture and breathing techniques. To train aircrews in these techniques and to test the new suit and helments, the Navy is planning

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, CECIL FIELD, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
CENTRIFUGE TRAINER	P-212

11. REQUIREMENT: (Continued)
construction of two centrifuge training facilities at its F/A-18 bases. Studies have validated the effectiveness of training aircrews on the centrifuge.
CURRENT SITUATION: The anti-G straining maneuver is a technique developed to ward off loss of periferal vision and G-LOC during high G turns. The anti-G straining maneuver is explained to aircrews in a classroom setting. However, there is no realistic substitute to actual experience of the G-LOC sensation and combating it under high G-force conditions. A centrifuge can provide a very realistic simulation of these forces. The gondola can be positioned a variety of ways and G-forces can be applied as might be experienced in an actual aircraft to train aircrews on the anti-G straining maneuver while under G-load.
IMPACT IF NOT PROVIDED: No other training method is effective in training aircrews for high G-rates and high G-levels. The present method of classroom-only instruction does not adequately prepare the aircrews for the experience of high-G exposure and the problems its causes.

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..... *
(b) Percent Complete as of January 1990..... *
(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: N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications..... (*)
(b) All Other Design Costs..... (*)
(c) Total..... *
(d) Contract..... (*)
(e) In-house..... (*)

(4) Construction start..... 4-91 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

* One-step source selection.

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 09/30/88	1055	6130	2500	224	425	0	43	245	0	10622
b. END FY 1994	1015	5936	2500	65	423	0	43	245	0	10227

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(6,450)	
b. INVENTORY TOTAL AS OF 30 SEP 88		233,540
c. AUTHORIZATION NOT YET IN INVENTORY		13,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		14,000
g. REMAINING DEFICIENCY		102,040
h. GRAND TOTAL		378,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
171.35	ANTI-SUB WARFARE TRNG CTR	30,310 SF	2,800	11/88	01/90
831.10	WASTEWATER SYSTEM IMPROVES	LS	6,300	04/89	05/90
	TOTAL		9,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

131.50	TRANSMITTER BLDG ADDITION	44,100 SF	6,200
	TOTAL		6,200

B. MAJOR PLANNED NEXT THREE YEARS:

171.35	OPS TRAINER	LS	6,000
171.20	A/C SUPPORT EQUIP TRNG BLD	LS	6,600
843.10	FIRE PROTECTION	7,200 LF	1,400

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ANTI-SUBMARINE WARFARE TRAINING FACILITY . .	SF	30,310	-	2,290
APPLIED INSTRUCTION TRAINER.	SF	30,310	76.00	(2,290)
SUPPORTING FACILITIES.	-	-	-	240
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(240)
SUBTOTAL	-	-	-	2,530
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST.	-	-	-	2,660
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	140
TOTAL REQUEST.	-	-	-	2,800
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; security system.

11. REQUIREMENT: 30,310 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
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 utilize their ASW potential.
CURRENT SITUATION: Jacksonville has been tasked to provide P-3C Update IV training. Currently all P-3 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 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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (170)
- (b) All Other Design Costs..... (80)
- (c) Total..... 250
- (d) Contract..... (210)
- (e) In-house..... (40)

(Continued on DD 1391c)

1. COMPONENT	FY 19.91 MILITARY CONSTRUCTION PROJECT DATA	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

12. SUPPLEMENTAL DATA: (Continued)

(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

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	6,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WASTEWATER SYSTEM IMPROVEMENTS	LS	-	-	5,690
SUBTOTAL	-	-	-	5,690
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST.	-	-	-	5,970
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	330
TOTAL REQUEST.	-	-	-	6,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two electro-chemical heavy metal removal system units, one reactor clarifier, one aerobic digester, sludge drying beds, in-plant piping.

11. REQUIREMENT: As Required.

PROJECT: Provides major upgrades of the domestic and industrial waste treatment plant. (Current mission.)

REQUIREMENT: Adequate and proper facilities to meet the effluent limitations of the National Pollutant Discharge Elimination System (NPDES) Permit.

CURRENT SITUATION: Existing treatment facility does not meet effluent limits required by the permit.

IMPACT IF NOT PROVIDED: Permit violation. Enforcement action such as fines and shut-down of the wastewater treatment plant. Shut-down of plant would directly impact station missions.

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..... 35
(c) Date Design 35% Complete..... 11-89
(d) Date Design Complete..... 5-90

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL AIR STATION, JACKSONVILLE, FLORIDA	
4. PROJECT TITLE	5. PROJECT NUMBER
WASTEWATER SYSTEM IMPROVEMENTS	P-188

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..... (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 HOSPITAL, JACKSONVILLE, FLORIDA	NAVAL MEDICAL COMMAND	.87

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	330	734	250	0	0	0	0	0	0	1314
b. END FY 1994	374	720	250	0	0	0	0	0	0	1344

7. INVENTORY DATA ($000)

	TENANT OF NAS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	13,770
c. AUTHORIZATION NOT YET IN INVENTORY	18,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	940
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	400
h. GRAND TOTAL	33,710

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.20	MEDICAL WAREHOUSE ADDITION	LS	940	06/89	06/90
	TOTAL		940		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provides inpatient and outpatient health care for active duty Navy and Marine Corps personnel, Federal Uniformed Services personnel, and other authorized beneficiaries. Naval Hospital Jacksonville serves northeast Florida and southeast Georgia.

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 09/30/88	240	2030	480	10	36	0	1	58	0	2825
b. END FY 1994	240	2050	450	5	25	0	1	58	0	2829

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(19,301)	
b. INVENTORY TOTAL AS OF 30 SEP 88		112,460
c. AUTHORIZATION NOT YET IN INVENTORY		11,220
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		7,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		14,400
h. GRAND TOTAL		145,080

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141.41	JNT AIR RECON CTL CTR ADDN	LS	4,000	04/89	05/90
159.64	EOD MOBILE UNIT FAC	28,560 SF	3,000	10/88	09/89
	TOTAL		7,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Maintains and operates an air station to support training of flight crew using tactical aircraft exercising 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) Air Force Air Defense Unitss
Coast Guard Units (five cutters & three SES) US Forces Caribbean
One PHM Squadron (six ships) Medical Clinic
Naval Intelligence & Security Detachments

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 PROJECT DATA	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-630	3,000

7. ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FAC.	SF	28,560	80.00	2,300
SUPPORTING FACILITIES.	-	-	-	400
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(60)
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(290)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	160
TOTAL REQUEST.	-	-	-	3,000
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 1990. 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
This 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 NAB Little Creek, Virginia were successfully programmed in FY 1985. 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 status: (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..... 3-89
- (d) Date Design Complete..... 9-89

(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..... (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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, KEY WEST, FLORIDA	JOINT AIR RECONNAISSANCE CONTROL CENTER ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	141.41	P-636	4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
JOINT AIR RECONNAISSANCE CONTROL CENTER ADDN	LS	-	-	3,610
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	210
TOTAL REQUEST	-	-	-	4,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame building addition to match existing, concrete foundation and floor, masonry walls, built-up roof, computer flooring, fire protection system, air conditioning, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides an addition to the Joint Air Reconnaissance Control Center Key West to allow expansion of mission and additional space for air surveillance and control equipment. 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 Joint Air Reconnaissance Control Center is located at the Naval Air Station, Key West. It is a joint military-civilian operation with 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 addition to the control center is required to accommodate this new

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION
NAVAL AIR STATION, KEY WEST, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
JOINT AIR RECONNAISSANCE CONTROL CENTER ADDITION	P-636

11. REQUIREMENT: (Continued)
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.
CURRENT SITUATION: There is no space in the control center 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 Joint Air Reconnaissance Control Center located in Key West.
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 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..... 45
- (c) Date Design 35% Complete..... 9-89
- (d) Date Design Complete..... 5-90

(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..... (110)
- (c) Total..... 320
- (d) Contract..... (300)
- (e) In-house..... (20)

(4) Construction start..... 4-91 (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 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 09/30/88	17	100	2	4	49	0	0	0	0	172
b. END FY 1994	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 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	5,300

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	5,300	11/88	01/90
	TOTAL		5,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide facilities for anti-submarine attack, communications, and electronic equipment, 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 PROJECT DATA	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	5,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY.	LS	-	-	4,250
TRAINER STRUCTURE.	LS	-	-	(3,000)
APPLIED INSTRUCTION BUILDING	SF	11,680	88.00	(1,030)
BUILT-IN EQUIPMENT	LS	-	-	(50)
TECHNICAL OPERATING MANUALS.	LS	-	-	(170)
SUPPORTING FACILITIES.	-	-	-	530
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(160)
SUBTOTAL	-	-	-	4,780
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST.	-	-	-	5,020
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	280
TOTAL REQUEST.	-	-	-	5,300
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; metal grating over crawl space; 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. (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.
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.
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, and fleet readiness will continue at its current low level.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER, MAYPORT, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTING TRAINING FACILITY	P-168

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..... 100
(c) Date Design 35% Complete..... 5-89
(d) Date Design Complete..... 1-90

(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..... (170)
(b) All Other Design Costs..... (80)
(c) Total..... 250
(d) Contract..... (220)
(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

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 09/30/88	1170	15644	1010	42	220	0	79	328	0	18493
b. END FY 1994	1060	15592	1050	48	270	0	79	328	0	18424

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,409)	
b. INVENTORY TOTAL AS OF 30 SEP 88		153,290
c. AUTHORIZATION NOT YET IN INVENTORY		5,420
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		13,770
f. PLANNED IN NEXT THREE PROGRAM YEARS		21,800
g. REMAINING DEFICIENCY		33,050
h. GRAND TOTAL		230,930

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
84..30	WATER STORAGE TANKS	1,500,000 GA	3,600	11/88	01/90
	TOTAL		3,600		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM		
740.74	CHILD CARE CENTER	16,020 SF	2,150
831.41	HAZARDOUS WASTE FACILITY	LS	1,150
841.10	WATER TREATMENT FACILITY	8,000 KG	8,600
841.10	FEED WATER VEMIN	LS	970
841.10	ANTI SILT FACILITY	LS	900
	TOTAL		13,770

10. MISSION OR MAJOR FUNCTIONS:

Mayport will be homeport for a total of five LAMPS MK III Helicopter Squadrons (SH 60-B Helicopter) and is homeport for one LAMPS MK I Helicopter Squadrons. 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, MAYPORT, FLORIDA	WATER STORAGE TANKS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	841.30	P-830	3,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER STORAGE TANKS.	GA	1,500K	-	2,330
ELEVATED WATER STORAGE TANKS	GA	1,000K	1.50	(1,500)
GROUND LEVEL WATER STORAGE TANKS	GA	500K	1.30	(650)
PIPES, PUMPING, CONTROL EQUIPMENT.	LS	-	-	(180)
SUPPORTING FACILITIES.	-	-	-	920
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(390)
UTILITIES.	LS	-	-	(480)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(50)
SUBTOTAL	-	-	-	3,250
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,410
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	190
TOTAL REQUEST.	-	-	-	3,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Potable water storage tanks, pile foundations, distribution system reinforcement and improvements, pumping facilities; hardening; utilities; demolition of one building.

11. REQUIREMENT: 2.25 MG. ADEQUATE: 0.75 MG. SUBSTANDARD: 0 MG.
PROJECT: Provides two 500,000-gallon elevated and one 500,000-gallon ground-level potable water storage tanks, including pipeline distribution and pumping system, and instrumentation. (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 is nearing completion. 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.
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

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, MAYPORT, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
WATER STORAGE TANKS	P-830

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
gallons in an elevated storage tank. The near-term water storage capacity requirement is 2,250,000 gallons to meet daily industrial and domestic demands, and to have enough water in reserve for fire fighting. Additional water storage capacity, wells and water treatment facilities will be required in the future as more facilities are programmed and constructed. The current capacity does not satisfy even the fire fighting reserve of one million gallons. The water distribution system to the industrial areas is insufficiently sized to deliver the required 3-4,000 gallons per minute needed for fire fighting. The elevated tanks will provide the necessary water pressure whereas the ground tank, while not having as great a water pressure head, is a less expensive tank. This will provide the correct mix of each configuration.
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.
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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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 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, 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 09/30/88	332	2116	3228	393	13314	0	0	212	0	19595
b. END FY 1994	313	2097	3383	437	16794	0	0	215	0	23239

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,098)	
b. INVENTORY TOTAL AS OF 30 SEP 88		181,340
c. AUTHORIZATION NOT YET IN INVENTORY		36,240
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,350
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,300
f. PLANNED IN NEXT THREE PROGRAM YEARS		17,330
g. REMAINING DEFICIENCY		36,670
h. GRAND TOTAL		296,230

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
431.10	COLD STORAGE WAREHOUSE	10,560 SF	1,400	—	—
721.14	BARRACKS	116,630 SF	10,910	04/86	08/87
722.10	MESS HALL	52,000 SF	7,040	11/88	01/90
	TOTAL		19,350		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

740.74	CHILD CARE CENTER	7,250 SF	5,300
	TOTAL		5,300

B. MAJOR PLANNED NEXT THREE YEARS:

721.14	BARRACKS	720 PN	11,240
844.30	FIRE PROTECTION SYS	178,130 SF	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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	10,910

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 IMPROVMENT, DEMOLITION	LS	-	-	(1,810)
SUBTOTAL	-	-	-	9,850
CONTINGENCY (5%)	-	-	-	490
TOTAL CONTRACT COST	-	-	-	10,340
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	570
TOTAL REQUEST	-	-	-	10,910
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 either undergoing basic skills training after completion of recruit training or are 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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL TRAINING CENTER, ORLANDO, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
BARRACKS	P-200

11. REQUIREMENT: (Continued)
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.

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..... 4-86
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 12-86
- (d) Date Design Complete..... 8-87

(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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL TRAINING CENTER, ORLANDO, FLORIDA	COLD STORAGE WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	431.10	P-202	1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COLD STORAGE WAREHOUSE	SF	10,560	-	1,000
BUILDING	SF	10,560	67.00	(710)
BUILT-IN EQUIPMENT	LS	-	-	(290)
SUPPORTING FACILITIES	-	-	-	270
ELECTRICAL UTILITIES	LS	-	-	(90)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(80)
SUBTOTAL	-	-	-	1,270
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST	-	-	-	1,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	70
TOTAL REQUEST	-	-	-	1,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry building, concrete foundation and floor, built-up roof, loading dock with hydraulic dock levelers, stacking height approximately 16-feet, fire protection system, utilities.

11. REQUIREMENT: 10,560 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a cold storage warehouse. (Current mission.)

REQUIREMENT: Adequate cold storage warehouse capacity to support the military personnel assigned to the activity, and sited in accordance with the master plan.

CURRENT SITUATION: The existing cold storage warehouse is located 1.3 miles from the main base in an area which is intended for disposal action. The warehouse capacity is inadequate to support the increased student loading.

IMPACT IF NOT PROVIDED: Existing cold storage warehouse which is improperly located, will have to be supplemented by commercially leased space. This will be expensive, complicate deliveries, increase transportation costs, and reduce supply reliability because of possible strikes and less flexibility during emergencies. Disposal of the existing warehouse area could not occur.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL TRAINING CENTER, ORLANDO, FLORIDA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
COLD STORAGE WAREHOUSE	P-202

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	*
(b) Percent Complete as of January 1990	*
(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:	N/A

(3) Total cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	(*)
(b) All Other Design Costs	(*)
(c) Total	*
(d) Contract	(*)
(e) In-house	(*)

(4) Construction start: 12-90 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

* Performance specifications to limit acquisition to modular construction.

S/N 0102-LF-001-3915

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	7,040

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 (5.5%). .	-	-	-	370
TOTAL REQUEST.	-	-	-	7,040
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 ET "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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(130)
(c)	Total	420
(d)	Contract	(355)
(e)	In-house	(65)

(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 COSTAL 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 09/30/88	51	407	1287	37	110	0	5	50	17	1964
b. END FY 1994	53	408	1315	74	533	0	5	50	17	2455

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,113)	
b. INVENTORY TOTAL AS OF 30 SEP 88		65,390
c. AUTHORIZATION NOT YET IN INVENTORY		7,330
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,000
g. REMAINING DEFICIENCY		15,070
h. GRAND TOTAL		98,090

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
310.33	COMP/ANALYSIS LAB ADDN	33,000 SF	5,300	01/89	01/90
	TOTAL		5,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

315.20	U/W ELEX SYS ENG/TEST FAC	50,000 SF	5,000

10. MISSION OR MAJOR FUNCTIONS:
Principal Navy RDT&E center for the application of science and technology associated with military operations carried out principally in the coastal region. Maintains the primary in-house research and development capability for inshore warfare including countermeasures, defense, surveillance, and interdiction; control technology; naval swimmer/diver support systems; salvage support; acoustic countermeasures; and amphibious operations.

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	5,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPUTATION AND ANALYSIS LABORATORY ADDN . .	SF	33,000	-	4,350
BUILDING	SF	33,000	112.00	(3,700)
BUILT-IN EQUIPMENT	LS	-	-	(590)
TECHNICAL OPERATING MANUALS.	LS	-	-	(60)
SUPPORTING FACILITIES.	-	-	-	430
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
ELECTRICAL UTILITIES	LS	-	-	(110)
MECHANICAL UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(160)
SUBTOTAL	-	-	-	4,780
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST.	-	-	-	5,020
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	280
TOTAL REQUEST.	-	-	-	5,300
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, built-up roof capable of supporting electrical equipment, shielded spaces, five-ton monorail system, fire protection system, air conditioning and mechanical ventilation, utilities; demolition of two buildings.

11. REQUIREMENT: 120,320 SF. ADEQUATE: 87,320 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides building addition to consolidate the computation and analysis area with a 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 computer center provides life-cycle maintenance and supports the software development for the CME and the Surface Ship Torpedo Defense (SSTD) program. Also needed is

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)

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 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 colocation 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 maybe substantially delayed because of continued operations in unsecure and inadequate facilities needed for special access programs.

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..... 1-89

(b) Percent Complete as of January 1990..... 100

(c) Date Design 35% Complete..... 7-89

(d) Date Design Complete..... 1-90

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)

(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..... (90)
(c) Total..... 300
(d) Contract..... (20)
(e) In-house..... (280)

(4) Construction start..... 12-90
(month and year)

b. Equipment associated with this project which will be provided fr a 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
FALCON 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
NAVAL SUPPLY CENTER, PENSACOLA, FLORIDA	NAVAL SUPPLY SYSTEMS COMMAND	.82

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	13	21	394	0	0	3	0	0	21	452
b. END FY 1994	14	19	591	0	0	3	0	0	21	648

7. INVENTORY DATA ($000)

	TENANT OF NAS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	3,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	9,740

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
431.10	COLD STORAGE WAREHOUSE	39,360 SF	6,100	11/88	01/90
	TOTAL		6,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
This center is the primary stock point for Navy wholesale supply and support services to fleet units and shore activities on the Gulf Coast including local aviation activities, and the Naval Aviation Depot.

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 SUPPLY CENTER, PENSACOLA, FLORIDA	COLD STORAGE WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	431.10	P-271	6,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COLD STORAGE WAREHOUSE	SF	39,360	-	4,270
COLD STORAGE BUILDING	SF	30,560	83.00	(2,540)
WAREHOUSE BUILDING	SF	7,300	30.00	(220)
EXTERIOR STORAGE AREA	SF	1,500	20.00	(30)
BUILT-IN EQUIPMENT	LS	-	-	(1,480)
SUPPORTING FACILITIES	-	-	-	1,230
ELECTRICAL UTILITIES	LS	-	-	(340)
MECHANICAL UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT	LS	-	-	(340)
DEMOLITION	LS	-	-	(300)
SUBTOTAL	-	-	-	5,500
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST	-	-	-	5,780
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	320
TOTAL REQUEST	-	-	-	6,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay steel frame building, concrete foundation and floor, metal doors, masonry walls, built-up roof, loading apron, central refrigeration system, emergency electric power system, utilities, fire protection system, air conditioning; demolition of three buildings.

11. REQUIREMENT: 39,360 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs cold storage and controlled humidity facilities. (New mission.)
REQUIREMENT: An adequate and energy efficient cold storage warehouse for frozen and chilled food products that are issued to fleet units and shore activities in the Pensacola area.
CURRENT SITUATION: The existing cold storage warehouse has inadequate capacity, is antiquated and beyond economical repair. Refrigerated storage units in the building have obsolete refrigeration systems subject to frequent breakdowns, and for which repair parts are difficult to obtain. With the Pensacola area's high temperatures and high humidity, inadequate storage of frozen products with an abnormally high amount of material handling causes deterioration. The existing warehouse with a maximum of eight-foot stacking height has inadequate storage capacity to insure stock levels for 45 days.
IMPACT IF NOT PROVIDED: Pensacola will continue to experience difficulty in supporting fleet units being served. Inadequate cold storage will continue product deterioration, excessive product handling, and unsatisfactory stock levels. (Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL SUPPLY CENTER, PENSACOLA, FLORIDA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
COLD STORAGE WAREHOUSE	P-271

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	100
(c) Date Design 35% Complete	5-89
(d) Date Design Complete	1-90

(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	(280)
(b) All Other Design Costs	(50)
(c) Total	330
(d) Contract	(265)
(e) In-house	(65)

(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, 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 09/30/88	8	0	757	0	0	0	0	0	0	765
b. END FY 1994	8	0	750	0	0	0	0	0	0	758

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(285)	
b. INVENTORY TOTAL AS OF 30 SEP 88		61,530
c. AUTHORIZATION NOT YET IN INVENTORY		5,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,440
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,100
g. REMAINING DEFICIENCY		18,850
h. GRAND TOTAL		91,540

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	3,440	04/89	05/90
	TOTAL		3,440		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

841.51	POTABLE WATER RESERVOIRS	5,680 GM	2,100

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 09/30/88	140	858	2828	0	102	0	17	88	328	4361
b. END FY 1994	138	902	2895	0	66	0	19	100	263	4383

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,638)	
b. INVENTORY TOTAL AS OF 30 SEP 88		87,160
c. AUTHORIZATION NOT YET IN INVENTORY		7,270
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,350
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,330
g. REMAINING DEFICIENCY		2,950
h. GRAND TOTAL		108,910

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218.45	CALIBRATION EQUIP TEST FAC	35,000 SF	3,250	05/87	01/89
831.15	INDUST WST TRMT PLNT IMPVS	LS	2,600	11/88	01/90
	TOTAL		5,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
213.59	ABRASIVE BLAST FACILITY	19,600 SF	4,350
	TOTAL		4,350
B. MAJOR PLANNED NEXT THREE YEARS:			
441.30	FIRE PROT WAREHOUSE	LS	750
740.74	CHILD CARE CENTER	6,380 SF	580

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA	CALIBRATION EQUIPMENT TEST FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896M	218.45	P-310	3,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CALIBRATION EQUIPMENT TEST FACILITY.	SF	35,000	-	2,050
BUILDING	SF	35,000	49.00	(1,720)
BUILT-IN EQUIPMENT	LS	-	-	(330)
SUPPORTING FACILITIES.	-	-	-	880
UTILITIES.	LS	-	-	(720)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(160)
SUBTOTAL	-	-	-	2,930
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,250
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story masonry load-bearing wall building, concrete foundation and floor, built-up roof on insulated metal deck, computer flooring, electronic shielding, emergency generator, noise suppressor, special calibration and testing clean room, storage area, fire protection system, environmental control and comfort air conditioning, utilities.

11. REQUIREMENT: 135,640 SF. ADEQUATE: 100,640 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a facility to rebuild, repair, calibrate and test various test, measurement, and diagnostic equipment. (Current mission.)
REQUIREMENT: Adequate and properly-configured facility for sole source automatic test equipment (ATE) repair and design and to provide work space for metrology branch (MB) personnel and equipment. Additional personnel are necessary to reach established staffing goals based on current workload. Personnel have increased from 34 to 90, with a projected requirement for 114 persons by 1990.
CURRENT SITUATION: The work space currently available is not sufficient to accomplish present work requirements. Over the years, as work requirements expanded and personnel and equipment increased, other production areas of the Depot Maintenance Activity (DMA) were compressed, rearranged, or relocated to permit expansion of the MB. Space for further expansion is no longer available nor is it the most effective use of current real estate. The steadily increasing workload and the use of more modern sophisticated equipment have caused the existing facilities to become overcrowded. The

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA

4. PROJECT TITLE	5. PROJECT NUMBER
CALIBRATION EQUIPMENT TEST FACILITY	P-310

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
accuracy and precision of measurements required for testing and calibration increases as the level of technology increases. The acquisition of larger computer systems to support the Marine Corps ATE has shown a need to provide an environment relatively free of electrical interference and dust with reliable climate control and power distribution. Within the current DMA facility, the movement of tanks, personnel carriers, tank retrievers, cranes, and other heavy equipment, under their own power or by a 75-ton overhead crane occurs directly adjacent to the space occupied by the MB.
IMPACT IF NOT PROVIDED: Continued use of inefficient spaces will adversely affect the quality of the products produced. Full calibration and measurement services cannot be provided. If metrology projects cannot be supported, new equipment evaluation and procurement, and development of new calibration and repair resources will be adversely affected. Marine Corps-wide maintenance programs requiring the use of ATE will be affected, if test and maintenance packages cannot be delivered on schedule or at all. Existing maintenance programs relying on ATE gear will be adversely affected, if the updating and test program maintenance functions cannot be performed. The above elements directly affect and will adversely impact Marine Corps readiness and combat capability, since every piece of radar and communication equipment is involved.
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..... 5-87
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 10-87
- (d) Date Design Complete..... 1-89

(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..... (130)
- (b) All Other Design Costs..... (60)
- (c) Total..... 190
- (d) Contract..... (155)
- (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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
INDUSTRIAL WASTE TREATMENT PLANT IMPR. . . .	LS	-	-	2,350
TREATMENT FACILITIES	LS	-	-	(1,400)
SECONDARY CONTAINMENT.	LS	-	-	(650)
REPAIR AND REPLACEMENT OF PLANT COMPONENTS	LS	-	-	(300)
SUBTOTAL	-	-	-	2,350
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,470
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	130
TOTAL REQUEST.	-	-	-	2,600
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.
(Continued on DD 1391c)

1. COMPONENT	FY 19^{91} MILITARY CONSTRUCTION PROJECT DATA	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

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: Present operations will continue, causing periodic effluent quality violations. Unmetered, poorly controlled process operations and structural deterioriation of existing tankage will be perpetuated.

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..... 100
- (c) Date Design 35% Complete..... 1-89
- (d) Date Design Complete..... 1-90

(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	STRATEGIC SYSTEMS PROJECTS OFFICE	.98

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	420	4273	4888	7	110	0	0	0	0	9698
b. END FY 1994	640	7017	4367	14	159	0	0	0	0	12197

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(16,711)	
b. INVENTORY TOTAL AS OF 30 SEP 88		417,880
c. AUTHORIZATION NOT YET IN INVENTORY		807,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		69,120
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		8,770
f. PLANNED IN NEXT THREE PROGRAM YEARS		11,240
g. REMAINING DEFICIENCY		40,330
h. GRAND TOTAL		1,354,590

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
152.10	EXPLOSIVES HNDLG WHARF	11,210 SY	56,400	01/89	08/90
171.20	TRIDENT TRAINING FAC ADDN	42,000 SF	4,900	12/88	06/90
421.48	SMALL ORDNANCE MAGAZINE	LS	620	09/88	06/89
721.11	BACHELOR ENLISTED QUARTERS	73,000 SF	7,200	12/88	06/90
	TOTAL		69,120		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

219.77	PW STOR AREA ADDN	4,800 SF	510
740.17	DRMO OPS	LS	500
740.25	RECREATION SERVICES	LS	3,520
740.26	CAFETERIA	LS	1,430
740.37	SPECIAL SERVICES	LS	2,810
	TOTAL		8,770

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	7,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	73,000	70.00	5,120
SUPPORTING FACILITIES	-	-	-	1,380
UTILITIES	LS	-	-	(880)
PAVING AND SITE IMPROVEMENT	LS	-	-	(500)
SUBTOTAL	-	-	-	6,500
CONTINGENCY (5%)	-	-	-	320
TOTAL CONTRACT COST	-	-	-	6,820
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	380
TOTAL REQUEST	-	-	-	7,200
EQUIPMENT REQUESTED 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 eight 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (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..... 50
- (c) Date Design 35% Complete..... 7-89
- (d) Date Design Complete..... 6-90

(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..... (0)
- (c) Total..... 220
- (d) Contract..... (0)
- (e) In-house..... (220)

(4) Construction start..... 12-90 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

S/N 0102-LF-001-3915

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	56,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
EXPLOSIVE HANDLING WHARF	SY	11,210		38,130
WHARF AND APPROACH RAMPS	SY	10,640	1,500	(16,050)
IN-HAUL WHARF	SY	570	1,500	(860)
SUPPORT BUILDING	SF	17,400	115.00	(2,010)
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	-	-	-	50,920
CONTINGENCY (5%)	-	-	-	2,540
TOTAL CONTRACT COST	-	-	-	53,460
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%)	-	-	-	2,940
TOTAL REQUEST	-	-	-	56,400
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, security system, utilities; demolition of a portion of the marginal wharf.

11. REQUIREMENT: 24,480 SY. ADEQUATE: 13,270 SY. SUBSTANDARD: 0 SY.
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started..... 1-89
(b) Percent Complete as of January 1990..... 45
(c) Date Design 35% Complete..... 9-89
(d) Date Design Complete..... 8-90

(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..... (750)
(b) All Other Design Costs..... (585)
(c) Total..... 1335
(d) Contract..... (1250)
(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	TRIDENT TRAINING FACILITY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	171.20	P-414	4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRIDENT TRAINING FACILITY ADDITION.	SF	42,000	91.00	3,810
SUPPORTING FACILITIES	-	-	-	620
UTILITIES.	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT	LS	-	-	(280)
SUBTOTAL.	-	-	-	4,430
CONTINGENCY (5%).	-	-	-	220
TOTAL CONTRACT COST	-	-	-	4,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	250
TOTAL REQUEST	-	-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One two-story and one single-story concrete and steel frame building additions, concrete foundations and floors with raised decking, metal panel and masonry walls, fire protection and security systems, air conditioning, utilities.

11. REQUIREMENT: 563,900 SF. ADEQUATE: 521,900 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, train basic students in submarine strategic weapons systems, and train advanced students in operation and maintenance of TRIDENT II FBM Weapons System equipment.
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. Basic and advanced Strategic Weapons Systems training is presently being conducted at the training center in Dam Neck, Virginia. The available classroom and laboratory spaces at Dam Neck are overcrowded which has forced a three-shift operation in an effort to provide hands-on training to all students. These facilities are needed for surface missile training, the primary mission of the Dam Neck school.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
TRIDENT TRAINING FACILITY ADDITION	P-414

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: The existing overcrowded conditions at Dam Neck will adversely affect the quality of training for submarine and surface weapons personnel.

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..... 12-88
- (b) Percent Complete as of January 1990..... 50
- (c) Date Design 35% Complete..... 7-89
- (d) Date Design Complete..... 6-90

(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..... (170)
- (b) All Other Design Costs..... (80)
- (c) Total..... 250
- (d) Contract..... (220)
- (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 09/30/88	54	350	124	0	0	0	0	0	0	528
b. END FY 1994	65	481	124	0	0	0	0	0	0	670

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(12,142)	
b. INVENTORY TOTAL AS OF 30 SEP 88		102,950
c. AUTHORIZATION NOT YET IN INVENTORY		9,020
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,150
f. PLANNED IN NEXT THREE PROGRAM YEARS		36,700
g. REMAINING DEFICIENCY		13,000
h. GRAND TOTAL		164,220

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812.30	ELECTR DIST LINES RELOC	23,500 LF	1,400	10/88	09/89
	TOTAL		1,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
316.10	MSL TEST CEL ADDITION	LS	1,150
	TOTAL		1,150
B. MAJOR PLANNED NEXT THREE YEARS.			
152.10	AMMUNITION WHARF	LS	36,700

10. MISSION OR MAJOR FUNCTIONS:

Receives, transships, stores and issues 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION LINES RELOCATION . .	LF	23,500	54.00	1,270
SUBTOTAL	-	-	-	1,270
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,330
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,400
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: 23,500 LF. ADEQUATE: 0 LF. SUBSTANDARD: (23,500) LF.
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 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 electrical distribution lines are overhead and 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 its location, is 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 occurence of an explosion is a constant threat to life and property.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (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	3-89
(d)	Date Design Complete	9-89

(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	(0)
(b)	All Other Design Costs	(75)
(c)	Total	75
(d)	Contract	(0)
(e)	In-house	(75)

(4) Construction start: 2-91 (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 09/30/88	31	151	14	0	0	0	0	21	0	217
b. END FY 1994	35	153	14	0	0	0	0	21	0	223

7. INVENTORY DATA ($000)

TENANT OF NS

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	1,280
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	17,500
f. PLANNED IN NEXT THREE PROGRAM YEARS	3,500
g. REMAINING DEFICIENCY	2,050
h. GRAND TOTAL	34,530

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	10,200	11/88	01/90
	TOTAL		10,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
151.50	PIER IMPROVEMENTS	LS	17,500
	TOTAL		17,500
B. MAJOR PLANNED NEXT THREE YEARS:			
137.10	BUILDING UPGRADE	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 PROJECT DATA	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	10,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURTASS SUPPORT CENTER	SF	86,600	90.00	7,800
SUPPORTING FACILITIES	-	-	-	1,410
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(490)
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT	LS	-	-	(460)
SUBTOTAL	-	-	-	9,210
CONTINGENCY (5%)	-	-	-	460
TOTAL CONTRACT COST	-	-	-	9,670
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	530
TOTAL REQUEST	-	-	-	10,200
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, 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. (New mission.)
REQUIREMENT: Adequate facilities to support the 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 127 personnel.
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. The activity will not be able to support the berthing, maintenance and servicing of five SWATH class and nine larger T-AGOS class ships.
IMPACT IF NOT PROVIDED: Adequate facilities will not be available to support and maintain the SURTASS Program. If the ships cannot be maintained the required operating tempo and level of ocean surveillance will not be met.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(515)
(b)	All Other Design Costs	(170)
(c)	Total	685
(d)	Contract	(40)
(e)	In-house	(645)

(4) Construction start: 4-91 (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 09/30/88	430	4111	252	32	238	0	21	82	0	5166
b. END FY 1994	428	4145	252	47	324	0	21	82	0	5299

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(106)	
b. INVENTORY TOTAL AS OF 30 SEP 88		68,700
c. AUTHORIZATION NOT YET IN INVENTORY		24,060
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		74,550
f. PLANNED IN NEXT THREE PROGRAM YEARS		84,330
g. REMAINING DEFICIENCY		33,420
h. GRAND TOTAL		287,060

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	2,000	10/88	09/89
	TOTAL		2,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
151.20	BERTHING PIER	33,000 SF	19,000
151.20	PIER MODERNIZATION	LS	21,780
213.30	SIMA	170,190 SF	32,400
740.74	CHILD CARE CTR ADDITION	13,700 SF	950
812.40	SECURITY LIGHTING	LS	420
	TOTAL		74,550

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.	LS	-	-	1,810
DISTRIBUTION LINES	LF	26,000	23.00	(600)
SUBSTATION	KV	5,500	185.00	(1,020)
SUBSTATION BUILDING.	SF	590	152.00	(90)
CABLE BOOM	LS	-	-	(100)
SUBTOTAL	-	-	-	1,810
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST.	-	-	-	1,900
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	100
TOTAL REQUEST.	-	-	-	2,000
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (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	3-89
(d)	Date Design Complete	9-89

(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	(70)
(b)	All Other Design Costs	(25)
(c)	Total	95
(d)	Contract	(10)
(e)	In-house	(85)

(4) Construction start: 4-91 (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 SUPPLY CENTER, PEARL HARBOR, HAWAII	NAVAL SUPPLY SYSTEMS COMMAND	1.35

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	20	12	614	0	0	13	8	4	42	713
b. END FY 1994	20	12	614	0	0	13	8	4	42	713

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(839)	
b. INVENTORY TOTAL AS OF 30 SEP 88		122,990
c. AUTHORIZATION NOT YET IN INVENTORY		23,130
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		8,200
f. PLANNED IN NEXT THREE PROGRAM YEARS		6,000
g. REMAINING DEFICIENCY		29,290
h. GRAND TOTAL		191,110

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
851.10	ROAD	LS	1,500	09/88	06/89
	TOTAL		1,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

154.20	REPL SHEET PILE QUAYWALL	1,040 LF	8,200
	TOTAL		8,200

B. MAJOR PLANNED NEXT THREE YEARS:

125.10	OIL SPILL PREVENTION	LS	6,000

10. MISSION OR MAJOR FUNCTIONS:

Provides a wide variety of supply and support services to Navy activities in the geographic area and provides supply, POL, and support services to Pacific Fleet units.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	6,000
B: INSTALLATION RESTORATION	3,660
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUPPLY CENTER, PEARL HARBOR, HAWAII	ROAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	851.10	P-133	1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ROAD	LS	-	-	1,350
PAVING	SY	8,530	60.00	(510)
CLEARING AND GRADING	LS	-	-	(340)
UTILITIES	LS	-	-	(240)
SITE IMPROVEMENT	LS	-	-	(260)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,420
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Asphaltic concrete roadway, drainage, street lighting, water line relocation, sidewalk, and fencing.

11. REQUIREMENT: As Required.

PROJECT: Provides alternate on-base route to Navy facilities. (Current mission.)

REQUIREMENT: Safe access to Navy housing, piers, wharves, and warehouses on the Pearl City Peninsula.

CURRENT SITUATION: Lehua Avenue, the only access road on the Pearl City Peninsula, passes adjacent to the center's Pearl City Fuel Annex consisting of four fuel storage tanks that contain 460,000 barrels of volatile MOGAS and JP-4 and associated pumphouses and piping systems. The fuel annex facilities are located only 50-feet from Lehua Avenue and are subject to careless or accidental ignition sources. A fire or explosion at the fuel annex will seriously endanger vehicles and pedestrians on Lehua Avenue as well as disrupt fuel resupply to Hickam Air Force Base and other mid-Pacific bases. In October 1985 a fire did occur at one of the tanks, closing Lehua Avenue to traffic and pedestrian use. A nursery school across the street from the tank had to be evacuated. Although no one was injured, the need to provide an alternate peninsula access route away from fuel annex facilities became essential.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL SUPPLY CENTER, PEARL HARBOR, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
ROAD	P-133

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Potential careless and accidental sources of ignition will continue to pose a threat to the Pearl City Fuel Annex because of its proximity to Lehua Avenue and a resulting major explosion or fire would threaten the safety of anyone using Lehua Avenue, the only access to or from the Pearl City Peninsula.

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..... 9-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 1-89
- (d) Date Design Complete..... 6-89

(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..... (50)
- (b) All Other Design Costs..... (25)
- (c) Total..... 75
- (d) Contract..... (25)
- (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
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 09/30/88	13	0	1359	0	0	0	0	0	0	1372
b. END FY 1994	13	0	1233	0	0	0	0	0	0	1246

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,083)	
b. INVENTORY TOTAL AS OF 30 SEP 88		259,100
c. AUTHORIZATION NOT YET IN INVENTORY		36,150
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,370
f. PLANNED IN NEXT THREE PROGRAM YEARS		16,400
g. REMAINING DEFICIENCY		53,950
h. GRAND TOTAL		378,870

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	43,200 SF	6,900	11/88	01/90
	TOTAL		6,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

812.30	UTILITY SYSTEMS IMPROVS	LS	6,370
	TOTAL		6,370

B. MAJOR PLANNED NEXT THREE YEARS:

218.20	PW SHOP FIRE PROTECTION	52,770 SF	500
811.10	ELEC POWER I	LS	2,200
812.30	ELEC DISTR SYSTEM IMPVS	3,900 EA	2,700
831.10	SEWAGE SYSTEM IMPROVEMENTS	LS	4,000

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	6,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUTOMOTIVE VEHICLE MAINTENANCE SHOP.	SF	43,200	-	4,040
REPAIR AND MAINTENANCE SHOPS	SF	26,400	78.00	(2,060)
MAINTENANCE STORAGE FACILITY	SF	3,600	50.00	(180)
VEHICLE AND EQUIPMENT HOLDING SHED	SF	13,200	40.00	(530)
BUILT-IN EQUIPMENT	LS	-	-	(1,270)
SUPPORTING FACILITIES.	-	-	-	2,190
ELECTRICAL UTILITIES	LS	-	-	(370)
MECHANICAL UTILITIES	LS	-	-	(580)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(860)
DEMOLITION	LS	-	-	(380)
SUBTOTAL	-	-	-	6,230
CONTINGENCY (5%)	-	-	-	310
TOTAL CONTRACT COST.	-	-	-	6,540
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	360
TOTAL REQUEST.	-	-	-	6,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three 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 six buildings.

11. REQUIREMENT: 43,200 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs automotive vehicle and construction and weight handling equipment maintenance shops, public works maintenance storage, 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 the Pearl Harbor Naval Base.

CURRENT SITUATION: The transportation maintenance division is current / 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 deteriorated 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
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.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... 2-91 (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 09/30/88	259	3173	2116	31	8718	0	0	270	0	14567
b. END FY 1994	220	3272	2115	30	8729	0	0	269	0	14635

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,012)	
b. INVENTORY TOTAL AS OF 30 SEP 88		187,640
c. AUTHORIZATION NOT YET IN INVENTORY		21,650
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,750
f. PLANNED IN NEXT THREE PROGRAM YEARS		36,000
g. REMAINING DEFICIENCY		103,890
h. GRAND TOTAL		356,730

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	2,800	11/88	01/90
	TOTAL		2,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
722.10	MESS HALL MODERNIZATION	104,200 SF	4,750
	TOTAL		4,750
B. MAJOR PLANNED NEXT THREE YEARS:			
171.35	DIESEL/GAS TURBINE SCH	23,900 SF	3,400
171.60	RECRT PROCESSING BLDG	76,510 SF	9,800
730.10	FIRE STATION	7,300 SF	1,100
730.15	BRIG	31,540 SF	5,350

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
080579GN	171.20	P-471	2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIREMAN APPRENTICE TRAINING SCHOOL	SF	18,000	111.00	2,000
SUPPORTING FACILITIES	-	-	-	520
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT	LS	-	-	(80)
DEMOLITION	LS	-	-	(90)
SUBTOTAL	-	-	-	2,520
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,800
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. (Current mission.)
REQUIREMENT: Acequate facilities for the fireman apprentice training program.
CURRENT SITUATION: The existing facility is a one-story wood frame building constructed 45 years ago as an armory, and was not intended to function as a vocational school. It is presently being used both as a fireman and seaman school.
IMPACT IF NOT PROVIDED: Fireman training will continue to be taught in a deteriorated building not designed for training purposes. The quality of instruction will suffer, adversely affecting the ability of the firemen to adequately support fleet activities.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(50)
(c)	Total	190
(d)	Contract	(165)
(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
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 09/30/88	11	0	630	0	0	0	0	0	0	641
b. END FY 1994	13	6	596	0	0	0	0	0	0	615

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(588)	
b. INVENTORY TOTAL AS OF 30 SEP 88		88,830
c. AUTHORIZATION NOT YET IN INVENTORY		1,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		8,850
f. PLANNED IN NEXT THREE PROGRAM YEARS		4,800
g. REMAINING DEFICIENCY		49,770
h. GRAND TOTAL		155,980

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	1,100	08/88	06/89
871.10	STORM SEWER SYSTEM IMPRVS	LS	700	09/88	06/89
	TOTAL		1,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
143.11	VEHICLE MAINT FAC	68,130 SF	3,150
832.10	SANITARY SEWER SYS IMPROVS	750 MG	5,700
	TOTAL		8,850
B. MAJOR PLANNED NEXT THREE YEARS:			
610.10	FACILITY MAINT CENTER	41,500 SF	3,500
812.30	ELECT DISTR SYSTEM IMPRVS	7,000 SF	1,300

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.	LS	-	-	990
SUBTOTAL	-	-	-	990
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	60
TOTAL REQUEST.	-	-	-	1,100
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, TV, 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 presents a potential problem of medium voltage feedback through the low voltage cables.

IMPACT IF NOT PROVIDED: Continual safety hazards and code violations.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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:

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	8-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	1-89
(d)	Date Design Complete	6-89

(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	(105)
(b)	All Other Design Costs	(35)
(c)	Total	140
(d)	Contract	(120)
(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.

S/N 0102-LF-001-3915

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 09/30/88	28	179	4390	0	0	0	0	0	0	4597
b. END FY 1994	28	183	4400	0	0	0	0	0	0	4611

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(62,509)	
b. INVENTORY TOTAL AS OF 30 SEP 88		136,400
c. AUTHORIZATION NOT YET IN INVENTORY		15,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		550
f. PLANNED IN NEXT THREE PROGRAM YEARS		22,700
g. REMAINING DEFICIENCY		1,590
h. GRAND TOTAL		185,330

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
217.10	ELEC COMM MAINT SHOP	25,000 SF	4,000	02/89	08/90
441.10	MECHANIZED MTRLS MGMT FAC	80,000 SF	4,900	02/89	10/90
	TOTAL		8,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
219.10	PEST CONTROL SHOP	5,000 SF	550
	TOTAL		550
B. MAJOR PLANNED NEXT THREE YEARS:			
212.30	MISSILE MAINTENANCE FAC	LS	2,200
310.33	MICROWAVE COMPONENTS	LS	5,900
216.60	QUALITY EVALUATION LAB	2,930 SF	1,500
217.10	ELEC/COMM TEST FAC	32,500 SF	4,400

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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	ELECTRONICS COMMUNICATION MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	217.10	P-224	4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATION MAINTENANCE SHOP	SF	25,000	-	3,250
BUILDING	SF	25,000	79.00	(1,980)
BUILT-IN EQUIPMENT	LS	-	-	(1,270)
SUPPORTING FACILITIES	-	-	-	360
UTILITIES	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	210
TOTAL REQUEST	-	-	-	4,000
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, utilities.

11. REQUIREMENT: 25,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an electronic components finishing facility. 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. (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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	
4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONICS COMMUNICATION MAINTENANCE SHOP	P-224

11. REQUIREMENT: (Continued)
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 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 6,400 units currently to over 10,000 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 one year.

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	2-89
(b)	Percent Complete as of January 1990	40
(c)	Date Design 35% Complete	10-89
(d)	Date Design Complete	8-90

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	
4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONICS COMMUNICATION MAINTENANCE SHOP	P-224

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	(195)
(b) All Other Design Costs	(85)
(c) Total	280
(d) Contract	(240)
(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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	5. PROJECT TITLE
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA	MECHANIZED MATERIALS MANAGEMENT FACILITY

4. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	411.10	P-244	4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MECHANIZED MATERIALS MANAGEMENT FACILITY . .	SF	80,000	-	3,250
GENERAL WAREHOUSE.	SF	80,000	20.00	(1,600)
BUILT-IN EQUIPMENT	LS	-	-	(1,650)
SUPPORTING FACILITIES.	-	-	-	1,170
UTILITIES.	LS	-	-	(210)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(770)
DEMOLITION.	LS	-	-	(190)
SUBTOTAL	-	-	-	4,420
CONTINGENCY (5%)	-	-	-	220
TOTAL CONTRACT COST.	-	-	-	4,640
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	260
TOTAL REQUEST.	-	-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert high-bay reinforced concrete warehouse to multi-level mechanized warehouse, provide reinforced concrete second floor, loading docks, paving, mechanical room; sprinkler fire protection system, fire pumps and suction tank, ventilation, utilities; demolition of 27 structures.

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

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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)
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.
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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
(a) Date Design Started..... 2-89
(b) Percent Complete as of January 1990..... 35

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)

(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..... 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 ORDNANCE STATION, LOUISVILLE, KENTUCKY	NAVAL SEA SYSTEMS COMMAND	0.95

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	8	5	2355	0	0	0	0	0	0	2368
b. END FY 1994	8	5	2355	0	0	0	0	0	0	2368

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(152)	
b. INVENTORY TOTAL AS OF 30 SEP 88		24,450
c. AUTHORIZATION NOT YET IN INVENTORY		31,740
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		4,200
h. GRAND TOTAL		65,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
215.20	PHALANX SHOP MODERNIZATION	235,160 SF	5,400	05/89	06/90
	TOTAL		5,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Designs, develops, produces, modifies and overhauls intermediate caliber guns, gun barrels, gun mounts, missile motor metal parts, components, spare parts, tools and accessories. The station provides engineering assistance to installing activities and forces 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 PROJECT DATA	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	5,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PHALANX SHOP MODERNIZATION	SF	235,160	-	4,880
BUILDING MODERNIZATION	SF	235,160	16.00	(3,690)
BUILT-IN EQUIPMENT	LS	-	-	(810)
UTILITIES UPGRADE	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(80)
DEMOLITION	LS	-	-	(170)
SUBTOTAL	-	-	-	4,880
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST	-	-	-	5,120
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	280
TOTAL REQUEST	-	-	-	5,400
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: 235,160 SF. ADEQUATE: 0 SF. SUBSTANDARD: (235,160) 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 operate inefficiently, which ultimately will cause delays in scheduled deliveries to the fleet.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started	5-89
(b) Percent Complete as of January 1990	50
(c) Date Design 35% Complete	11-89
(d) Date Design Complete	6-90

(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: 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
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 09/30/88	74	197	9737	0	10	0	118	1000	0	11136
b. END FY 1994	74	197	9737	0	10	0	118	1000	0	11136

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(297)	
b. INVENTORY TOTAL AS OF 30 SEP 88		143,130
c. AUTHORIZATION NOT YET IN INVENTORY		23,170
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		30,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,830
f. PLANNED IN NEXT THREE PROGRAM YEARS		21,300
g. REMAINING DEFICIENCY		343,220
h. GRAND TOTAL		565,150

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-I	124,360 SF	30,500	01/89	09/90
	TOTAL		30,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
451.10	YARD LANDFILL CLEANUP	LS	3,830
	TOTAL		3,830
B. MAJOR PLANNED NEXT THREE YEARS:			
890.46	PIER UTILITY UPGRADE	LS	21,300

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	7,500
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
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	DRY DOCK MODERNIZATION AND COVER (INCREMENT I)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702228N	213.10	P-228	30,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DRY DOCK MODERNIZATION AND COVER	SF	124,360	-	19,880
FIXED COVER PORTION	SF	73,920	150.00	(11,090)
MOVABLE COVER PORTION	SF	50,440	170.00	(8,570)
DECK CLOSURE-DOCK HEAD END	LS	-	-	(220)
SUPPORTING FACILITIES	-	-	-	7,650
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(1,760)
UTILITIES	LS	-	-	(2,340)
PAVING AND SITE IMPROVEMENT	LS	-	-	(3,550)
SUBTOTAL	-	-	-	27,530
CONTINGENCY (5%)	-	-	-	1,380
TOTAL CONTRACT COST	-	-	-	28,910
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	1,590
TOTAL REQUEST	-	-	-	30,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(13,770)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Reinforced concrete footings and foundation walls, steel-frame with insulated translucent and metal wall and roof panels, windows and access doors; cranes; operable cover portion designed to roll-open on gantry cranes and be stored under the fixed cover; fire protection system, ventilation, utilities; canopy door at caisson end.

11. REQUIREMENT: 214,030 SF. ADEQUATE: 89,670 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs the first of two increments for a weather protection covering and associated utility upgrades at Dry Dock 2 dedicated for overhauls and repairs of SSN 688 and SSN 21 class submarines. (New mission.)
REQUIREMENT: Adequate and properly-configured facilities at Dry Dock 2 for major submarine overhaul and repairs including the enhancement capability and flexibility for meeting increased (SSN 688) and new (SSN 21) work assigned to the shipyard. The fleet soon will be comprised of these two classes of submarines, which have an extraordinary degree of standardization of equipment. The Navy is acting on this opportunity to apply cost savings and efficient production line techniques (PLT) into the submarine overhaul process. For example, this shipyard has already implemented such PLT features as rotatable equipment, pool and recyclable package programs, and is in the process of executing others. However, a covering and the permanent installation of associated utilities and services are items that require military construction funding to

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	
4. PROJECT TITLE	5. PROJECT NUMBER
DRY DOCK MODERNIZATION AND COVER (INCREMENT I)	P-228

11. REQUIREMENT: (Continued)
enhance the overhaul process starting in 1993. These submarine overhauls must be routinely accomplished in an efficient and accurate manner to sustain the fleet deployed at sea. The first increment provides a combination of permanent and operable cover. The permanent cover will be as large as necessary and still allow access for refueling. The operable cover will be used to complete the enclosing of the refueling access area. It will be designed to retract under the permanent portion of the cover at the head half of the dry dock. The moving of the sections will be by cranes which will support the cover while each section is rolled under the permanent cover. Additional work includes railroad trackage relocation, and utility upgrades. The second increment will provide a separate facility adjacent to the dry dock cover for a waterfront field shop, project team work spaces, and permanent installation of supporting temporary services.

CURRENT SITUATION: The shipyard is presently operating with three graving docks fully utilized. Dry Dock 1 is limited to docking the smaller older submarines including SSN 594 and SSN 637 classes which require the aid of external flotation tanks to enter the dry dock. Dry Dock 3 is capable of docking a SSN 688 class and smaller for overhauls and repairs. Refuelings can only be accomplished on the SSN 637 class and smaller, and the dry dock is fully utilized in performing either overhauls or refuelings on these classes of submarines. Since 1986, Dry Dock 2 has been considered the candidate for modernization because of its central location, two vessel docking capacity, laydown space availability and proximity to existing buildings having the potential for full or partial utilization. New England area weather has a big affect on the overhaul process. A submarine going through overhaul and repairs in an open dry dock including exterior hull preservation work such as sandblasting, welding, painting, and special hull treatment is subjected to production delays because of the harsh inclement weather which causes productivity losses for reasons of snow removal, need for freeze protection, cold, rain and wind, equipment damage, and the safety hazards on unprotected staging platforms. All of these setbacks could be reduced by a permanent dry dock enclosure. The proposed covering will effect savings in techniques, equipment, and man days for submarine overhauls.

IMPACT IF NOT PROVIDED: There will be a continued adverse effect on production morale, quality of work, and lingering safety hazards resulting from an open dry dock operation exposed to the harsh inclement weather. Navy will be unable to fully implement the PLT concept, and the resulting realization of substantial cost savings in overhauls would not materialize.

ADDITIONAL: An industrial engineering concept study was performed on the proposed project where alternative technical solutions, as well as an economic analysis, have concluded that it is more advantageous

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE

4. PROJECT TITLE	5. PROJECT NUMBER
DRY DOCK MODERNIZATION AND COVER (INCREMENT I)	P-228

11. REQUIREMENT: (Continued)
ADDITIONAL: (Continued)
economically to modernize dry dock 2 with a covering and the associated utilities and waterfront field shop facilities. This solution will provide a significant savings of $6 million per overhaul for every submarine, with an estimated payback of 6.5 years.

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..... 1-89
- (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.....(1200)
- (b) All Other Design Costs.....(510)
- (c) Total..... 1710
- (d) Contract.....(1580)
- (e) In-house.....(130)

(4) Construction start..... 3-91 (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)
Bridge Cranes	OPN	1992	13,770

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

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL ACADEMY, ANNAPOLIS, MARYLAND	CHIEF OF NAVAL OPERATIONS	1.03

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88	356	375	1688	0	4689	0	0	0	0	7108
b. END FY 19 94	356	383	1755	0	4689	0	0	0	0	7183

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,747)	
b. INVENTORY TOTAL AS OF 30 SEP 1988		229,760
c. AUTHORIZATION NOT YET IN INVENTORY		19,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,130
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		3,630
h. GRAND TOTAL		256,320

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.12	Bancroft Hall Expan (Phase II)	LS	0*	06/88	01/90
	TOTAL		0		

*Appropriation Request: $24,000,000.

9. Future Projects:

a. Included in following program:

141.25	Fire Station	LS	890
441.10	General Warehouse	LS	1,750
852.30	Pedestrian Bridges	LS	490
	TOTAL		3,130

b. Major Planned Next Three Years: None.

10. Mission or Major Functions: Prepare young people morally, mentally, and physically to be professional officers in the naval service.

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 ACADEMY, ANNAPOLIS, MARYLAND	BANCROFT HALL EXPANSION (PHASE II)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805896N	721.12	P-259	AUTH: 0* APPR: 24,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BANCROFT HALL EXPANSION.	SF	341,000	-	38,900
BUILDING	SF	341,000	99.00	(33,600)
BUILT-IN EQUIPMENT	LS	-	-	(5,240)
TECHNICAL OPERATING MANUALS.	LS	-	-	(60)
SUPPORTING FACILITIES.	-	-	-	4,430
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(1,190)
ELECTRICAL UTILITIES	LS	-	-	(820)
MECHANICAL UTILITIES	LS	-	-	(840)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,580)
SUBTOTAL	-	-	-	43,330
CONTINGENCY (5%)	-	-	-	2,170
TOTAL CONTRACT COST.	-	-	-	45,500
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	2,500
SUBTOTAL	-	-	-	48,000
LESS: PHASE I FUNDING REQUEST: FY 1990 .	-	-	-	-24,000
PHASE II FUNDING REQUEST: FY 1991	-	-	-	24,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)
*PRIOR YEAR AUTHORIZATION				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two six-story reinforced concrete frame building additions, pile foundations, concrete floors, slate and copper roofs on steel roof trusses, granite exterior facing to match existing, fire protection systems, air conditioning and environmental control, utilities; dormitory rooms to accommodate 924 midshipmen, built-in room furniture, storage.

11. REQUIREMENT: 4,689 PN. ADEQUATE: 3,765 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides additions to Bancroft Hall to house 924 midshipmen. (Current mission.)
REQUIREMENT: Adequate housing to alleviate overcrowding. A third person has been added in the two-man rooms and each midshipman has been issued a computer. With more in-room study required because of computer-related courses, the room study environment must be suitable for the midshipmen to maintain an expected high-level of academic excellence.
CURRENT SITUATION: Bancroft Hall houses 4,689 midshipmen in facilities designed for 3,765. The problem of housing three men in two-man rooms is further compounded by the additional space requirement to accommodate each midshipman's computer which is necessary for present and future curricula. This project is being phased within the FY 1990/1991 biennial program to eliminate the space deficiency.
IMPACT IF NOT PROVIDED: Academic excellence will be severely impeded by the absence of a quality study environment. Midshipmen will continue to experience overcrowding conditions adversely affecting their training and morale.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL ACADEMY, ANNAPOLIS, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
BANCROFT HALL EXPANSION (PHASE II)	P-259

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	6-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	11-88
(d)	Date Design Complete	1-90

(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	(2880)
(b)	All Other Design Costs	(720)
(c)	Total	3600 *
(d)	Contract	(3200)
(e)	In-house	(400)

(4) Construction start: 1-91 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

* Estimated total for phases I and II.

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

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL HOSPITAL, 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 09/30/88	1279	2058	1613	850	372	7	60	232	0	6471
b. END FY 1994	1379	2181	1659	875	463	10	82	247	0	6896

7. INVENTORY DATA ($000)

	TENANT OF NNMC
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	9,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,100
f. PLANNED IN NEXT THREE PROGRAM YEARS	8,700
g. REMAINING DEFICIENCY	16,200
h. GRAND TOTAL	37,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721.12	BACHELOR ENLISTED QUARTERS	103,950 SF	9,000	11/88	01/90
	TOTAL		9,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
832.10	SEWAGE LINE REPLACEMENT	LS	1,400
842.10	POTABLE LINE REPLACEMENT	LS	1,700
	TOTAL		3,100
B. MAJOR PLANNED NEXT THREE YEARS:			
721.12	BEQ MODN	LS	5,000
730.80	PARKING STRUCTURE	LS	3,700

10. MISSION OR MAJOR FUNCTIONS:

Provide a comprehensive range of emergency, outpatient, and inpatient health care services to active duty Navy and Marine Corps personnel, and active duty members of other Federal Uniformed Services. Ensure that all assigned military personnel are properly trained for the performance of their assigned, contingency, and wartime duties. Conduct appropriate 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

DD FORM 1390
1DEC76

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL, BETHESDA, MARYLAND	BACHELOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0807796N	721.12	P-912	9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	103,950	-	7,470
BUILDING	SF	83,160	79.00	(6,570)
PARKING GARAGE	SF	20,790	29.00	(600)
BUILT-IN EQUIPMENT	LS	-	-	(300)
SUPPORTING FACILITIES	-	-	-	650
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(200)
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	470
TOTAL REQUEST	-	-	-	9,000
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL HOSPITAL, BETHESDA, MARYLAND	
4. PROJECT TITLE	**5. PROJECT NUMBER**
BACHELOR ENLISTED QUARTERS	P-912

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(175)
(b)	All Other Design Costs	(190)
(c)	Total	365
(d)	Contract	(95)
(e)	In-house	(270)

(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 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 09/30/88	54	289	2570	64	351	0	0	0	0	3328
b. END FY 1994	60	329	2595	107	736	0	0	0	0	3827

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(3,410)	
b. INVENTORY TOTAL AS OF 30 SEP 88		119,570
c. AUTHORIZATION NOT YET IN INVENTORY		9,590
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,400
f. PLANNED IN NEXT THREE PROGRAM YEARS		30,130
g. REMAINING DEFICIENCY		53,400
h. **GRAND TOTAL**		226,490

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	6,400	11/88	01/90
	TOTAL		6,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
226.66	PROPELLANT & CHEMICAL FAC	LS	2,000
841.10	WASTEWATER TREATMENT	LS	5,400
	TOTAL		7,400
B. MAJOR PLANNED NEXT THREE YEARS.			
143.60	BULK EXPLOSIVE FACILITY	LS	14,030
310.13	CHEMISTRY LABORATORY	21,600 SF	16,100

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 09/30/88	519	2903	3476	57	0	0	4	12	0	6971
b. END FY 1994	562	2956	3550	57	0	0	3	7	0	7135

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(7,127)	
b. INVENTORY TOTAL AS OF 30 SEP 88		222,540
c. AUTHORIZATION NOT YET IN INVENTORY		27,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		21,660
g. REMAINING DEFICIENCY		58,970
h. GRAND TOTAL		333,810

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
872.10	SECURITY IMPROVEMENTS	LS	3,000	11/88	01/90
	TOTAL		3,000		

9. FUTURE PROJECTS.

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

211.81	JEST ENGINE TEST CELL	LS	5,100
317.20	ELEC/ELEX SYS LAB MODN	LS	1,180
441.30	HAZ/FLAMM MATRL STRG FAC	12,860 SF	2,250
311.25	ADVANCED WARFARE FACILITY	83,720 SF	13,130

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
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

DD FORM 1390
1DEC76

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS	-	-	2,700
CONTROL CENTER MODIFICATIONS	LS	-	-	(350)
SECURITY LIGHTING	LS	-	-	(410)
SECURITY FENCING	LS	-	-	(200)
ACCESS CONTROL PAVILIONS	LS	-	-	(340)
UTILITIES	LS	-	-	(1,400)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	160
TOTAL REQUEST	-	-	-	3,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(2,900)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Modify alarm control center building; emergency generator; security fencing and lighting; controlled personnel access pavilions; camera mount foundations; utilities.

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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
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 are throughly 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 develoment 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 in poorly-lit areas. With these conditions, intruders could do considerable damage to Navy assets with a low risk of being apprehended. Persons could enter unoccuppied 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(60)
(c)	Total	240
(d)	Contract	(210)
(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:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Intrusion Detection System, monitoring equipment, electrical cables, alarm control center.	RDT&E	1991	2,900

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 09/30/88	46	136	62	0	0	0	0	0	0	244
b. END FY 1994	54	88	62	0	0	0	0	0	0	204

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT OF NATC

b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,250
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,250

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	2,250	12/88	01/90
	TOTAL		2,250		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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 PROJECT DATA	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	2,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AVIATION PHYSIOLOGY TRAINING FACILITY. . . .	SF	13,800	-	1,630
BUILDING	SF	13,800	108.00	(1,490)
BUILT-IN EQUIPMENT	LS	-	-	(140)
SUPPORTING FACILITIES	-	-	-	400
ELECTRICAL UTILITIES	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(120)
SUBTOTAL	-	-	-	2,030
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,130
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,250
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; equipment, utilities 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
CURRENT SITUATION: (Continued)
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.
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 status: (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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (170)
- (c) Total..... 285
- (d) Contract..... (260)
- (e) In-house..... (25)

(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 1981 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL ELECTRONIC SYSTEMS ENGINEERING ACTIVITY, 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 09/30/88	4	33	343	0	0	0	0	0	0	380
b. END FY 994	7	37	342	0	0	0	0	0	0	386

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(969)	
b. INVENTORY TOTAL AS OF 30 SEP 88		20,140
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		8,820
g. REMAINING DEFICIENCY		23,300
h. GRAND TOTAL		56,160

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	3,900	11/88	09/89
	TOTAL		3,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL ELECTRONIC SYSTEMS ENGINEERING ACTIVITY, 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	3,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FACSFAC ELECTRONIC SYSTEMS INTEGRATION . . .	SF	25,400	-	2,760
BUILDING	SF	25,400	90.00	(2,300)
BUILT-IN EQUIPMENT	LS	-	-	(460)
SUPPORTING FACILITIES.	-	-	-	760
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(620)
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(90)
SUBTOTAL	-	-	-	3,520
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,900
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, security alarms, energy monitoring and control system, fire protection system, air conditioning, utilities.

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 constructed 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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL ELECTRONIC SYSTEMS ENGINEERING ACTIVITY, ST. INIGOES, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
FACSFAC ELECTRONIC SYSTEMS INTEGRATION	P-723

11. REQUIREMENT: (Continued)

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 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 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	100
(c) Date Design 35% Complete	5-89
(d) Date Design Complete	9-89

(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	(230)
(b) All Other Design Costs	(80)
(c) Total	310
(d) Contract	(270)
(e) In-house	(40)

(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 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL INTELLIGENCE 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 9/30/88	291	952	1387	0	0	0	0	0	0	2630
b. END FY 19 94	285	972	1556	0	0	0	0	0	0	2813

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 1988		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		0
h. GRAND TOTAL		114,000

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)	LS	0*	02/87	02/90
	TOTAL		0		

* Appropriation Request: $55,048,000.

9. Future Projects:

a. Included in following program: 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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL INTELLIGENCE 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-001A	AUTH: 0* APPR: 55,048

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HEADQUARTERS BUILDING.	SF	812,000	-	48,530
BUILDING	SF	587,000	75.00	(44,030)
PARKING STRUCTURE.	SF	225,000	20.00	(4,500)
SUPPORTING FACILITIES.	-	-	-	54,380
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(45,380)
UTILITIES.	LS	-	-	(6,000)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(3,000)
SUBTOTAL	-	-	-	102,910
CONTINGENCY (5%)	-	-	-	5,150
TOTAL CONTRACT COST.	-	-	-	108,060
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	5,940
SUBTOTAL	-	-	-	114,000
LESS: INCREMENT I FUNDING: FY 1989. . . .	-	-	-	- 58,952
INCREMENT II FUNDING 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, intrusion detection systems, 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, uninterruptible power supply, grounding and lightning protection, independent power house, parking garage, utilities, elevators.

11. REQUIREMENT: 812,000 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 commands 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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL INTELLIGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
HEADQUARTERS BUILDING (INCREMENT II)	P-001A

11. REQUIREMENT: (Continued)
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 will still be required and lease costs will continue to escalate.

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	2-87
(b)	Percent Complete as of January 1990	90
(c)	Date Design 35% Complete	2-89
(d)	Date Design Complete	2-90

(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	(3030)
(b)	All Other Design Costs	(1100)
(c)	Total	4130
(d)	Contract	(3800)
(e)	In-house	(330)

(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 OCEANOGRAPHY COMMAND FACILITY, BAY ST. LOUIS, MISSISSIPPI	NAVAL OCEANOGRAPHY COMMAND	.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	7	17	21	0	0	0	0	0	0	45
b. END FY 1994	8	23	24	0	0	0	0	0	0	55

7. INVENTORY DATA ($000)

	TENANT OF NASA
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	1,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	8,000
h. GRAND TOTAL	11,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
137.10	OCEANOGRAPHIC BUILDING	12,420 SF	1,700	10/88	09/89
	TOTAL		1,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Maintain and distribute technical documents in support of the Naval Oceanography Program, manage the Meteorlogical and Oceanographics Program, and serve as the program administrator of the Naval Oceanography Reserve Program.

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 OCEANOGRAPHY COMMAND FACILITY, BAY ST. LOUIS, MISSISSIPPI	OCEANOGRAPHIC BUILDING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0305196N	137.10	P-001	1,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OCEANOGRAPHIC BUILDING	SF	12,420	-	1,290
BUILDING	SF	12,420	97.00	(1,200)
BUILT-IN EQUIPMENT	LS	-	-	(90)
SUPPORTING FACILITIES	-	-	-	240
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
ELECTRICAL UTILITIES	LS	-	-	(80)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT	LS	-	-	(60)
SUBTOTAL	-	-	-	1,530
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,610
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, pile foundation and concrete floor, reinforced concrete walls and roof capable of supporting heavy electronic equipment, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 12,420 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides sufficient space to house administration, training, meteorlogical and oceanography program department personnel, and the reserve readiness department personnel. (Current mission.)
REQUIREMENT: Adequate collocated facilities to house personnel working in support of worldwide meteorlogical and oceanographic services. Personnel are responsible for program management of the Meteorlogical and Oceanographic Equipment Program (MOEP), for climatology, meteorlogical, and oceanographic training, and for logistic support of Naval Oceanography Command activities worldwide. Space is also necessary for climate controlled storage and associated workshops to fully support the worldwide meteorlogical and oceanographic services.
CURRENT SITUATION: The Naval Oceanography Command Facility (NAVOCEANCOMFAC) is currently housed in inadequate facilities because of configuration and location. There is also a shortage of space for storage, equipment maintenance, and support services.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL OCEANOGRAPHY COMMAND FACILITY, BAY ST. LOUIS, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
OCEANOGRAPHIC BUILDING	P-001

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Personnel will continue to work in inadequate facilities not constructed for the activity's mission. Emergency equipment repair parts and routine fleet distribution items will continue to be stored in four scattered locations. Inefficient operations will continue because of overcrowded and inadequate facilities.

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..... 10-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 3-89
- (d) Date Design Complete..... 9-89

(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..... (100)
- (b) All Other Design Costs..... (10)
- (c) Total..... 110
- (d) Contract..... (100)
- (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. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL CONSTRUCTION BATALLION CENTER, GULFPORT, MISSISSIPPI	NAVAL FACILITIES ENGINEERING COMMAND	.85

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	174	3929	715	2	508	0	0	42	0	5370
b. END FY 1994	197	3690	715	0	662	0	0	42	0	5306

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,772)	
b. INVENTORY TOTAL AS OF 30 SEP 88		82,190
c. AUTHORIZATION NOT YET IN INVENTORY		29,510
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		600
f. PLANNED IN NEXT THREE PROGRAM YEARS		9,000
g. REMAINING DEFICIENCY		24,880
h. GRAND TOTAL		153,080

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
441.20	CONTROLLED HUMIDITY WRHSE	150,000 SF	6,900	1/88	01/90
	TOTAL		6,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

740.74	CHILD CARE CENTER ADDITION	4,560 SF	600
	TOTAL		600

B. MAJOR PLANNED NEXT THREE YEARS:

411.40	SOAP/MTIS BLDG	LS	5,000
219.10	PW SHOPS	53,740 SF	4,000

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, perserve, and ship advanced based and mobilization stocks.

20th Naval Construction Regiment
5 Naval Mobile Construction Battalions
Naval Construction Training Center
17 Reserve Naval Mobile Construction Battalions
9 Reserve Naval Construction Regiments
1 Reserve Naval Construction Force Augmentation Unit

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	30
B: INSTALLATION RESTORATION	9,940
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 CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI	CONTROLLED HUMIDITY WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	441.20	P-745	6,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONTROLLED HUMIDITY WAREHOUSE	SF	150,000	-	4,310
BUILDING	SF	150,000	26.00	(3,950)
BUILT-IN EQUIPMENT	LS	-	-	(360)
SUPPORTING FACILITIES	-	-	-	1,920
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(840)
UTILITIES	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT	LS	-	-	(710)
SUBTOTAL	-	-	-	6,230
CONTINGENCY (5%)	-	-	-	310
TOTAL CONTRACT COST	-	-	-	6,540
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	360
TOTAL REQUEST	-	-	-	6,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, pile foundation, reinforced concrete floor and roof, masonry walls, special flooring, fire protection and alarm systems, intrusion detection system, utilities.

11. REQUIREMENT: 999,160 SF. ADEQUATE: 849,160 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a controlled humidity warehouse. (Current mission.)
REQUIREMENT: Adequate controlled humidity storage space for pre-positioned war reserve material stock (PWRMS) and civil engineering support equipment (CESE) to support readiness of the Naval Construction Forces. Storage of this material and equipment is one of the primary missions of Gulfport. If full mobilization occurs, up to three active construction battalions, one active construction regiment, four reserve construction regiments, and eight reserve construction battalions will be processed through Gulfport. These units must move to Gulfport, draw equipment, pack-up the equipment and move-out within a 45-day period. Therefore, properly designed and efficient storage facilities are mandatory.
CURRENT SITUATION: PWRMS bulk items such as lumber, pipe, fencing, and refrigeration units are stored outside. There is inadequate inside storage space for CESE equipment such as hand tools and medical supplies. Materials valued at more than $20 million will continue arriving at Gulfport through 1992. Gulfport is located in a high-humidity climate

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
CONTROLLED HUMIDITY WAREHOUSE	P-745

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
where salinity in the air causes rapid metal deterioration, and where the average annual rainfall is 80 inches. Storing materials and equipment outside will accelerate deterioration and result in a shorter preventive maintenance cycle and an unservicable condition.
IMPACT IF NOT PROVIDED: Increased equipment maintenance costs, materials costs, and a negative impact on readiness of the Naval Construction Forces to support the Fleet.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (75)
- (b) All Other Design Costs..... (35)
- (c) Total..... 110
- (d) Contract..... (85)
- (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
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 09/30/88	7	126	34	2	415	0	0	0	0	584
b. END FY 1994	6	143	34	0	533	0	0	0	0	716

7. INVENTORY DATA ($000)

	TENANT OF NCBC
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	5,250
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	4,800
h. GRAND TOTAL	18,650

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	1,500	10/88	09/89
721.14	BARRACKS	73,000 SF	7,100	11/88	01/90
	TOTAL		8,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
APPLIED INSTRUCTION BUILDING	SF	12,560	90.00	1,130
SUPPORTING FACILITIES	-	-	-	220
UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
DEMOLITION	LS	-	-	(50)
SUBTOTAL	-	-	-	1,350
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,420
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,500
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 and security alarm systems, 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.
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 to support fleet activities.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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..... 10-88
(b) Percent Complete as of January 1990..... 100
(c) Date Design 35% Complete..... 3-89
(d) Date Design Complete..... 9-89

(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.....	(65)
(b) All Other Design Costs.....	(55)
(c) Total.....	120
(d) Contract.....	(90)
(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	7,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BARRACKS	SF	73,000	81.00	5,910
SUPPORTING FACILITIES	-	-	-	500
UTILITIES	LS	-	-	(110)
PAVING AND SITE IMPROVEMENT	LS	-	-	(390)
SUBTOTAL	-	-	-	6,410
CONTINGENCY (5%)	-	-	-	320
TOTAL CONTRACT COST	-	-	-	6,730
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	370
TOTAL REQUEST	-	-	-	7,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three-story steel-frame dormitory building, concrete foundation and floors, masonry walls with brick and stucco facing, air conditioning, fire protection and alarm systems, utilities; semi-open-bay living compartments concept.
Grade mix: 424 E1-E4. Total: 424.

11. REQUIREMENT: 424 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.
PROJECT: Provides adequate billeting for 424 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 424 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 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..... 100
(c) Date Design 35% Complete..... 5-89
(d) Date Design Complete..... 1-90

(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 AIR STATION, FALLON, NEVADA	COMMANDER IN CHIEF, PACIFIC FLEET	1.34

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	97	755	319	20	0	0	295	1245	0	2731
b. END FY 1994	114	790	353	20	0	0	255	1245	0	2817

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(141,060)	
b. INVENTORY TOTAL AS OF 30 SEP 88		95,660
c. AUTHORIZATION NOT YET IN INVENTORY		75,720
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,340
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		11,930
g. REMAINING DEFICIENCY		11,000
h. GRAND TOTAL		197,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
134.70	RANGE AIR SURVEILLANCE SYS	LS	3,340	04/88	03/89
	TOTAL		3,340		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

841.09	WATER TREATMENT SYS	300 SF	750
211.05	MAINT HANGAR	LS	9,000
721.11	BEQ MODERNIZATION	330 PN	2,180

10. MISSION OR MAJOR FUNCTIONS

Maintains and operates facilities and provides services and materials to support aerial weapons training for fleet squadrons and carrier air wings on rotational deployments.

Navy Strike Warfare Center
Four air-to-ground ranges
One electronic warfare range

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

A:	POLLUTION ABATEMENT	870
B:	INSTALLATION RESTORATION	44,330
C:	OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, FALLON, NEVADA	RANGE AIR SURVEILLANCE SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	134.70	P-282	3,340

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RANGE AIR SURVEILLANCE SYSTEM.	LS	-	-	760
SUPPORTING FACILITIES.	-	-	-	2,260
ELECTRICAL UTILITIES	LS	-	-	(1,370)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(890)
SUBTOTAL	-	-	-	3,020
CONTINGENCY (5%)	-	-	-	150
TOTAL CONTRACT COST.	-	-	-	3,170
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	170
TOTAL REQUEST.	-	-	-	3,340
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(18,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Three fixed radar sites including concrete pads, fence, transformer, generator, access road, and electric power transmission line.

11. REQUIREMENT: As Required.

PROJECT: Provides site preparation and support facilities for three separated air traffic control radar units. (Current mission.)

REQUIREMENT: All areas of concentrated air traffic, military and civilian, require ground-based radar tracking equipment to facilitate safe separation among scheduled and unscheduled air traffic. Fallon is required to provide real-time air space management within its Special Use Airspace (SUA) complex, which comprises eight restricted areas, five military operating areas, a supersonic operating area and a civil air corridor. These sites will provide essential range surveillance and air traffic advisory assistance to both the military and civilian pilots. This system will provide the air traffic controller a means to take positive action to alleviate potentially hazardous situations, and provide improved air traffic safety within those areas where the greatest concentration of air traffic occupies the least amount of airspace.

CURRENT SITUATION: The existing air traffic radar systems provide very limited coverage of the Fallon SUA. Two of the radars are long-range, but have relatively long periods (12 seconds) between updates. These systems are adequate for high-altitude commercial air traffic operating on charted airways, but are not capable of tracking high-speed-maneuvering military aircraft. The third radar has a much shorter update period, but is strictly

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, FALLON, NEVADA

4. PROJECT TITLE	5. PROJECT NUMBER
RANGE AIR SURVEILLANCE SYSTEM	P-282

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
utilized as area approach radar for the immediate vicinity of the airfield.
IMPACT IF NOT PROVIDED: This project is critical to the low-altitude, safe separation of military and civil aircraft in areas of high air traffic congestion. This concern is of such importance that potential near-miss situations or mid-air collision between military and civil aircraft in the Fallon airspace complex will result in broad scale adverse publicity and substantial litigation against the Navy. Long-term improvement toward air safety within the Navy's finest air training complex will not be realized.

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..... 4-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 9-88
- (d) Date Design Complete..... 3-89

(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..... (150)
- (b) All Other Design Costs..... (295)
- (c) Total..... 445
- (d) Contract..... (425)
- (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:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Operational Communication Systems	OPN	1989	18,000

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 09/30/88	69	1163	747	0	0	0	0	0	0	1979
b. END FY 1994	120	2333	747	0	0	0	0	0	0	3200

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,158)	
b. INVENTORY TOTAL AS OF 30 SEP 88		81,930
c. AUTHORIZATION NOT YET IN INVENTORY		73,980
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		20,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		15,100
f. PLANNED IN NEXT THREE PROGRAM YEARS		46,610
g. REMAINING DEFICIENCY		14,550
h. GRAND TOTAL		252,170

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
151.10	TRESTLES REPLACE (INCR I)	LS	20,000	06/89	07/90
	TOTAL		20,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
148.25	TRUCK HOLDING YARD	LS	1,000
151.10	TRESTLES REPLACE (INCR II)	LS	14,100
	TOTAL		15,100
B. MAJOR PLANNED NEXT THREE YEARS:			
151.10	TRESTLES REPLACE(INCR III)	LS	36,700
421.72	MISSILE MAGAZINES	18,000 SF	4,460
421.72	MISSILE MAGAZINE	LS	2,000

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 PROJECT DATA	2 DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, EARLE, NEW JERSEY	TRESTLES REPLACEMENT (INCREMENT I)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702096N	151.10	P-949	20,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRESTLES REPLACEMENT	LS	-	-	18,060
SUBTOTAL	-	-	-	18,060
CONTINGENCY (5%)	-	-	-	900
TOTAL CONTRACT COST.	-	-	-	18,960
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	1,040
TOTAL REQUEST.	-	-	-	20,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct adjacent to existing trestles 1 and 2, a segment of a new reinforced concrete trestle, 46-feet wide, on concrete piles, with two railroad tracks, two-lane roadway, and utilities.

11. REQUIREMENT: As Required.

PROJECT: Replaces segment of two trestles extending from the shoreline outward into Sandy Hook Bay to juncture with existing trestle 4, a distance of approximately two miles. (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 weapons 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 increments to totally replace trestles 1 and 2 from shore to trestle 4. Funding for increments 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 feeze-thaw

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, EARLE, NEW JERSEY

4. PROJECT TITLE	5. PROJECT NUMBER
TRESTLES REPLACEMENT (INCREMENT I)	P-949

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
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.

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..... 6-89
- (b) Percent Complete as of January 1990..... 50
- (c) Date Design 35% Complete..... 10-89
- (d) Date Design Complete..... 7-90

(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..... (3000)
- (b) All Other Design Costs..... (250)
- (c) Total..... 3250
- (d) Contract..... (3000)
- (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
NAVAL ORDNANCE MISSILE TEST STATION, WHITE SANDS, NEW MEXICO	NAVAL SEA SYSTEMS COMMAND	1.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	6	65	60	0	0	0	0	0	0	131
b. END FY 1994	5	70	60	0	0	0	0	0	0	135

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(85)	
b. INVENTORY TOTAL AS OF 30 SEP 88		7,090
c. AUTHORIZATION NOT YET IN INVENTORY		8,090
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,500
g. REMAINING DEFICIENCY		1,500
h. GRAND TOTAL		18,780

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
371.15	GUN TEST RANGE	LS	600	03/89	09/89
	TOTAL		600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

421.72	STANDARD MISSILE MAGAZINE	LS	1,500

10. MISSION OR MAJOR FUNCTIONS:
Conduct and support Navy guided missile, rocket, gun and directed energy programs, including ground and flight testing and participate in operation of DOD missile test range at White Sands.

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
DIRECTOR 1ST MARINE CORPS DISTRICT, GARDEN CITY, NEW YORK	COMMANDANT OF THE MARINE CORPS	1.29

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	51	449	42	2	0	0	3	12	0	559
b. END FY 1994	51	449	42	2	0	0	3	12	0	559

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(7)
b. INVENTORY TOTAL AS OF 30 SEP 88	950
c. AUTHORIZATION NOT YET IN INVENTORY	620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	440
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,010

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	PHYSICAL SECURITY IMPROVES	LS	440	09/88	06/89
	TOTAL		440		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS
Provides facilities for First Marine Corps district, which supervises Marine Corps recruiting in New York and New England, and for units of the selected Marine Corps Reserve.

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
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 09/30/88	249	2531	2821	48	3311	0	2215	28929	1724	41828
b. END FY 1994	497	3099	2496	197	3794	0	1934	28135	1552	41704

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(87,380)	
b. INVENTORY TOTAL AS OF 30 SEP 88		560,820
c. AUTHORIZATION NOT YET IN INVENTORY		119,750
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		41,580
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		51,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		48,110
g. REMAINING DEFICIENCY		361,490
h. GRAND TOTAL		1,183,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	MECHANICS TRG BDG-INCR III	34,010 SF	3,000	03/88	08/89
214.53	FIELD MAINTENANCE COMPLEX	210,300 SF	20,900	12/88	06/90
217.10	ELEC COMM MAINT SHOPS	26,010 SF	4,100	02/87	01/88
721.11	BACHELOR ENLISTED QUARTERS	192,850 SF	13,580	12/88	06/90
	TOTAL		41,580		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM		
124.50	VEHICLE READY FUEL STORAGE	154,000 GA	1,800
171.20	APPLIED INSTRUCTION BLDG	34,730 SF	4,200
214.51	COMBAT VEH MAINT SHOP	14,820 SF	3,900
217.10	ELEC COMM MAINT SHOP	4,760 SF	2,000
911.10	LAND ACQUISITION	LS	40,000
	TOTAL		51,900

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	BACHLLOR ENLISTED QUARTERS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	721.11	P-630	13,580

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	192,850	-	10,370
BUILDING	SF	113,040	61.00	(6,900)
BUILDING CONVERSION	SF	79,810	43.00	(3,470)
SUPPORTING FACILITIES	-	-	-	1,890
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(260)
MECHANICAL UTILITIES	LS	-	-	(320)
PAVING AND SITE IMPROVEMENT	LS	-	-	(800)
DEMOLITION	LS	-	-	(310)
SUBTOTAL	-	-	-	12,260
CONTINGENCY (5%)	-	-	-	610
TOTAL CONTRACT COST	-	-	-	12,870
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	710
TOTAL REQUEST	-	-	-	13,580
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two three-story reinforced concrete frame buildings, pile foundations, concrete floors, masonry walls with brick facing, built-up roof on rigid insulation, fire protection systems, air conditioning, utilities; recreation field; 144 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; conversion of three buildings; demolition of seven buildings.
Grade Mix: 480 E1-E4, 28 E5, 10 E6-E9. Total: 518.

11. REQUIREMENT: 24,698 PN. ADEQUATE: 15,571 PN. SUBSTANDARD: 8,022 PN.
PROJECT: Provides adequate billeting for enlisted personnel. (Current mission.)
REQUIREMENT: Adequate housing for unaccompanied enlisted personnel of the 2nd Marine Division and the 8th Marine Regiment.
CURRENT SITUATION: Existing billeting is comprised of inadequate, 45-year old open squad-bay barracks with communal heads and showers. A replacement program began in 1978. This is the last increment of the planned replacement sequence for barracks which do not meet DOD habitability requirements.
IMPACT IF NOT PROVIDED: Enlisted Marines will continue to live in inadequate barracks with a resulting detrimental impact on morale and the Marine Corps' ability to retain trained Marines in an all volunteer service.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
BACHELOR ENLISTED QUARTERS	P-630

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	12-88
(b)	Percent Complete as of January 1990	75
(c)	Date Design 35% Complete	7-89
(d)	Date Design Complete	6-90

(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	(440)
(c)	Total	440
(d)	Contract	(20)
(e)	In-house	(420)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	4,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS	SF	26,010	-	2,400
BUILDING	SF	26,010	78.00	(2,020)
BUILT-IN EQUIPMENT	LS	-	-	(300)
TECHNICAL OPERATING MANUALS	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	1,310
ELECTRICAL UTILITIES	LS	-	-	(420)
MECHANICAL UTILITIES	LS	-	-	(650)
PAVING AND SITE IMPROVEMENT	LS	-	-	(240)
SUBTOTAL	-	-	-	3,710
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST	-	-	-	3,890
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	210
TOTAL REQUEST	-	-	-	4,100
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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)

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 santitation standpoint. High ceilings prevent the facility from maintaining the desired 68 degree temperature necessary for 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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	2-87
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	7-87
(d)	Date Design Complete	1-88

(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	(220)
(b)	All Other Design Costs	(110)
(c)	Total	330
(d)	Contract	(280)
(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	20,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIELD MAINTENANCE COMPLEX	SF	210,300	-	16,660
BUILDING	SF	210,300	69.00	(14,630)
BUILT-IN EQUIPMENT	LS	-	-	(1,970)
TECHNICAL OPERATING MANUALS	LS	-	-	(60)
SUPPORTING FACILITIES	-	-	-	2,210
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(120)
ELECTRICAL UTILITIES	LS	-	-	(140)
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 (5.5%)	-	-	-	1,090
TOTAL REQUEST	-	-	-	20,900
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, intrusion detection system, paint booth, 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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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: 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 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 status: (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	75
(c) Date Design 35% Complete	7-89
(d) Date Design Complete	6-90

(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	(300)
(c) Total	1100
(d) Contract	(1000)
(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 PROJECT DATA	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	3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MECHANICS TRAINING BUILDING.	SF	34,010	-	2,450
BUILDING.	SF	34,010	66.00	(2,250)
BUILT-IN EQUIPMENT	LS	-	-	(200)
SUPPORTING FACILITIES.	-	-	-	250
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(50)
UTILITIES.	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(150)
SUBTOTAL	-	-	-	2,700
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,840
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,000
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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)

REQUIREMENT: (Continued)
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, mess halls, 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 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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	3-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	10-88
(d)	Date Design Complete	8-89

(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	(160)
(b)	All Other Design Costs	(80)
(c)	Total	240
(d)	Contract	(200)
(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
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 09/30/88	208	1039	4777	110	305	0	911	7728	1876	16954
b. END FY 1994	226	1051	5019	107	292	0	966	7686	1603	16950

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(27,696)	
b. INVENTORY TOTAL AS OF 30 SEP 88		323,080
c. AUTHORIZATION NOT YET IN INVENTORY		100,350
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		10,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		23,840
g. REMAINING DEFICIENCY		254,530
h. GRAND TOTAL		719,800

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.10	A/C BOMBING RANGE-INCR III	LS	1,050	10/88	09/89
610.71	REGIMENTAL GROUP HEADQTRS	13,190 SF	1,750	01/87	09/89
841.10	WATER TREATMENT FACILITY	LS	7,600	11/88	01/90
	TOTAL		10,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
211.06	MAINT HANGAR RENMOVATION	35,150 SF	4,250
441.12	AVIATION SUPPLY WAREHOUSE	14,800 SF	1,150
610.71	OPERS/MAINT FACILITY	18,600 SF	2,200
	TOTAL		7,600
B. MAJOR PLANNED NEXT THREE YEARS:			
131.15	COMMUNICATIONS CENTER	LS	560
214.51	AUTO ORGANIZATIONAL SHOP	21,110 SF	4,650

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	AIRCRAFT BOMBING RANGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	179.10	P-031	1,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT BOMBING RANGE	LS	-	-	950
SUBTOTAL	-	-	-	950
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST.	-	-	-	1,000
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	50
TOTAL REQUEST.	-	-	-	1,050
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(13,600)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Site preparation including filled and graded areas with thirty-foot high tower platforms on which to mount emitter pedestal and control assemblies; access roads, security fencing, electric power.

11. REQUIREMENT: As Required.

PROJECT: Provides site preparation and utilities for the installation of 20 electronic warfare emitters on the Mid-Atlantic Electronic Warfare Range, located on the northern end of Piney Island, including tower platforms, an access road network interfacing with existing roads and abandoned runways, and a secondary power distribution systems to the sites. (Current mission.)

REQUIREMENT: Expansion of the bombing range and the placement of 44 electronic warfare threat simulators in configuration to simulate the threat which may be encountered during an operation. Eleven major locations will be developed to install the emitters. The first project funded in the FY 1989 MILCON Program prepared the site and provided the ten-foot high platforms on which the simulator equipment will be placed for the first ten locations. The second project in FY 1990 will complete the eleventh major location for the installation of the emitters. This project continues the range upgrade by constructing the remaining towers, installing emitters, improving utilities, and providing access to the major sites. Additional emitters will by procured through FY 1994 using

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	
4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT BOMBING RANGE	P-031

11. REQUIREMENT: (Continued)
non-MILCON funding. The bombing range presently serves as the major range for the Mid-Atlantic Coast in support of Navy, Air Force, and Marine Corps training missions. Nearby Atlantic Field provides a deployment field for helicopters and attack aircraft to conduct acquisition and ground control radar exercises. This versatile range is equipped to facilitate bombing and strafing missions on both land and sea-based simulated targets. Depending on the scenario to be presented to incoming aircraft, different emitters will be activated for various threat simulations. Because of the limitations presented by radiation hazard clearances, the individual sites must be spaced to allow for personnel safety. With the demand for power from each emitter, the use of generators is considered impractical. In order to provide the amount and quality of power required to operate the emitters, it is necessary to provide commercial power to the sites. The transmission of real-time data to the debriefing facility is necessary for the effective training of aircrews in realistic conditions.
CURRENT SITUATION: Existing facilities are not adequate to support the emitters. At present, the range is configured as a traditional bombing range using bullseye targets and simulated stationary targets. The use of remote-controlled mobile land and boat targets provides little realistic training. No electronic warfare emitters presently exist. Naval engagements in the Mediterranen Sea and the Persian Gulf have proven the value of training in a simulated electronic warfare environment.
IMPACT IF NOT PROVIDED: The emitters scheduled for placement at this range will not have a source of commercial power and will, therefore, be unusable.

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part I 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..... 3-89
- (d) Date Design Complete..... 9-89

(2) Basis:
- (a) Standard or Definitive Design: Yes ____ No X
- (b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT BOMBING RANGE	P-031

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	(60)
(b)	All Other Design Costs	(70)
(c)	Total	130
(d)	Contract	(100)
(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:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Radar Threat Emitters	OPN	1991 - 1994	13,600

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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	1,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
REGIMENTAL GROUP HEADQUARTERS	SF	13,190	-	1,260
OPERATIONS BUILDING	SF	11,630	86.00	(1,000)
SUPPORT BUILDING	SF	1,560	166.00	(260)
SUPPORTING FACILITIES	-	-	-	320
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
ELECTRICAL UTILITIES	LS	-	-	(50)
MECHANICAL UTILITIES	LS	-	-	(170)
PAVING AND SITE IMPROVEMENT	LS	-	-	(50)
SUBTOTAL	-	-	-	1,580
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,660
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,750
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started	1-87
(b) Percent Complete as of January 1990	100
(c) Date Design 35% Complete	3-89
(d) Date Design Complete	9-89

(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	(95)
(b) All Other Design Costs	(45)
(c) Total	140
(d) Contract	(120)
(e) In-house	(20)

(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 19 94 MILITARY CONSTRUCTION PROJECT DATA	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	7,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WATER TREATMENT FACILITY	LS	-	-	3,340
BUILDING	SF	16,220	72.00	(1,160)
BUILT-IN EQUIPMENT	LS	-	-	(2,030)
TECHNICAL OPERATING MANUALS	LS	-	-	(150)
SUPPORTING FACILITIES	-	-	-	3,520
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(2,280)
PAVING AND SITE IMPROVEMENT	LS	-	-	(570)
DEMOLITION	LS	-	-	(510)
SUBTOTAL	-	-	-	6,860
CONTINGENCY (5%)	-	-	-	340
TOTAL CONTRACT COST	-	-	-	7,200
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	400
TOTAL REQUEST	-	-	-	7,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, pile foundation, concrete floor, membrane roof 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 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..... 100
(c) Date Design 35% Complete..... 5-89
(d) Date Design Complete..... 1-90

(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..... (300)
(c) Total..... 700
(d) Contract..... (600)
(e) In-house..... (100)

(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 STATION, PHILADELPHIA, SYLVANIA	COMMANDER IN CHIEF, ATLANTIC FLEET	1.08

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	310	2613	260	0	0	0	23	1007	0	4213
b. END FY 1994	276	2494	260	0	0	0	23	882	0	4035

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		70,050
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		17,850
h. GRAND TOTAL		93,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.15	BRIG	31,540 SF	5,100	11/88	01/90
	TOTAL		5,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS
NONE

10. MISSION OR MAJOR FUNCTIONS:
Operates and maintains facilities and provides services in support of units of the operation forces of the U.S. Navy and all shore activities in the Philadelphia area. All personnel and recreational support facilities such as personnel berthing and messing, family services, navy exchanges, commissary, clubs and family support are provided for activities aboard the Naval Base only by Naval Station, Philadelphia. In addition, Naval Station, Philadelphia provides facilities and working space for thirty or more tenants activities.

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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, PHILADELPHIA, PENNSYLVANIA	BRIG

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	730.15	P-521	5,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BRIG	SF	31,540	-	3,290
BUILDING	SF	29,000	109.00	(3,160)
SUPPORT BUILDINGS	SF	2,540	51.00	(130)
SUPPORTING FACILITIES	-	-	-	1,310
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(360)
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT	LS	-	-	(190)
DEMOLITION AND REMOVALS	LS	-	-	(350)
SUBTOTAL	-	-	-	4,600
CONTINGENCY (5%)	-	-	-	230
TOTAL CONTRACT COST	-	-	-	4,830
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	270
TOTAL REQUEST	-	-	-	5,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building, concrete pile foundation and floor, built-up roof, fire protection system, air conditioning, utilities; includes dormitories, cells, processing and exam rooms, administration, counseling, multi-purpose room with food service line; storage building, detached workshop; demolition of two buildings, asbestos removal, contaminated soil removal

11. REQUIREMENT: 31,540 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a 60-person brig including prisoner quarters, processing spaces, administrative spaces, industrial workshop, and dining facilities. (Current mission.)
REQUIREMENT: A recently completed study of the Navy penal system recommended the Navy establish a three-tier confinement system. This system would consist of: small "waterfront" facilities at major fleet concentrations to house prisoners with sentences of thirty days or less who will be returning to duty; larger consolidated facilities for prisoners with sentences of thirty days to one year; and non-Navy facilities for long-termers with sentences over one year. This project will provide a small "waterfront" facility to accommodate prisoners awaiting trial or serving sentences of thirty days or less. The offenders and accused are in the Philadelphia area while in transit, on visiting ships or aircraft, from ships in overhaul at the shipyard or from local naval activities and homeported vessels. The industrial workshop is required to provide
(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL STATION, PHILADELPHIA, PENNSYLVANIA

4. PROJECT TITLE	5. PROJECT NUMBER
BRIG	P-521

11. REQUIREMENT: (Continued)
meaningful work for the prisoners during their incarceration. This has been a proven method of rehabilitation and greatly aids the Navy in returning the offender to useful active duty. The maximum number of prisoners expected at any time is estimated to be 60. The military staff will consist of approximately 46 persons and will be required to maintain adequate supervision, counseling and work programs for the enlisted prisoners.
CURRENT SITUATION: The brig requirement is presently fulfilled with inadequate conditions. The brig, which was built in 1942, is a three-story structure which is no longer waterproof and has electrical wiring deficiencies. The existing security control center lacks the minimum security features for surveillance of the building interior and outside grounds. The doors have to be unlocked manually in cases of emergency. There is no fire detection and suppression system. The windows are standard, single-pane with non-security glazing and do not meet security requirements. Plumbing fixtures are non-institutional, the steam radiator heating system is antiquated and in many areas not functional. The industrial work area is undersized and the electrical system is deficient. The existing brig is almost three times the size needed which results in a high maintenance and operations expense. Upgrading this facility is not feasible because of the high structural and mechanical rehabilitation costs necessary to bring it up to today's brig standards. The location of the existing brig is not satisfactory because it is remote from the food service galley which must transport food to the brig.
IMPACT IF NOT PROVIDED: The over-sized, expensive to maintain brig will continue to be used. Security standards will not be met. Prisoners and staff will remain in a three-story building which lacks fire protection. Prisoners will be held in cells with doors that must be unlocked manually during emergencies.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(2) Basis:
- (a) Standard or Definitive Design: Yes ____ No X
- (b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, PHILADELPHIA, PENNSYLVANIA

4. PROJECT TITLE	5. PROJECT NUMBER
BRIG	P-521

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	(250)
(b)	All Other Design Costs	(65)
(c)	Total	315
(d)	Contract	(265)
(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.

S/N 0102-LF-001-3915

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 09/30/88	58	197	2568	0	0	190	5	7	556	3581
b. END FY 1994	67	217	2700	0	0	220	5	7	556	3772

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(921)	
b. INVENTORY TOTAL AS OF 30 SEP 88		54,430
c. AUTHORIZATION NOT YET IN INVENTORY		1,840
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		13,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,050
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,100
g. REMAINING DEFICIENCY		31,030
h. GRAND TOTAL		107,150

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	13,700	12/88	06/90
	TOTAL		13,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
831.10	SEWAGE SYSTEM	LS	1,050
	TOTAL		1,050
B. MAJOR PLANNED NEXT THREE YEARS:			
311.15	INTG NAVIGATION LAB	LS	5,100

10. MISSION OR MAJOR FUNCTIONS:

This center is the principal 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	13,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRCRAFT TECHNOLOGIES LABORATORY	SF	65,000	170.00	11,050
SUPPORTING FACILITIES	-	-	-	1,320
ELECTRICAL UTILITIES	LS	-	-	(660)
MECHANICAL UTILITIES	LS	-	-	(520)
PAVING AND SITE IMPROVEMENT	LS	-	-	(140)
SUBTOTAL	-	-	-	12,370
CONTINGENCY (5%)	-	-	-	620
TOTAL CONTRACT COST	-	-	-	12,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	710
TOTAL REQUEST	-	-	-	13,700
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, 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, AV-8B, and V-22 aircraft. The materials research efforts include developing an environmental data base and synthesizing new repair resins for fleet use, as well as structures

(Continued on DD 1391c)

S/N 0102 LF 001 3910

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
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 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 status: (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..... 45
- (c) Date Design 35% Complete..... 7-89
- (d) Date Design Complete..... 6-90

(2) Basis:
- (a) Standard or Definitive Design: Yes ____ No X
- (b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA

4. PROJECT TITLE	5. PROJECT NUMBER
AIRCRAFT TECHNOLOGIES LABORATORY	P-163

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications.....	(650)
(b)	All Other Design Costs.....	(200)
(c)	Total.....	850
(d)	Contract.....	(775)
(e)	In-house.....	(75)

(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 09/30/88	643	3544	4076	1197	916	0	15	97	0	10488
b. END FY 1994	593	4009	4076	1353	982	0	10	69	0	11092

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,200)	
b. INVENTORY TOTAL AS OF 30 SEP 88		155,650
c. AUTHORIZATION NOT YET IN INVENTORY		41,880
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,350
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		28,210
g. REMAINING DEFICIENCY		136,250
h. GRAND TOTAL		371,840

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	6,350	11/88	01/90
	TOTAL		6,350		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

813.20	ELEC DIST SYS UPGRD-PH II	LS	3,500
	TOTAL		3,500

B. MAJOR PLANNED NEXT THREE YEARS:

441.30	HAZ/FLAMMABLE STOREHOUSE	LS	480
610.10	ADMINISTRATIVE OFFICE	44,850 SF	5,200
721.13	BACHELOR ENLISTED QUARTERS	146,000 SF	6,300
730.15	BRIG	31,340 SF	5,910

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 PROJECT DATA	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	6,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
STEAM DISTRIBUTION SYSTEM UPGRADE.	LS	-	-	4,820
SUPPORTING FACILITIES.	-	-	-	920
PAVING AND SITE IMPROVEMENT.	LS	-	-	(720)
ASBESTOS REMOVAL	LS	-	-	(200)
SUBTOTAL	-	-	-	5,740
CONTINGENCY (5%)	-	-	-	280
TOTAL CONTRACT COST.	-	-	-	6,020
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	330
TOTAL REQUEST.	-	-	-	6,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install steam distribution and condensate return lines providing loop system; 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 has a continued risk of major outages, lack of reliability, and a high operating cost.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(285)
(b)	All Other Design Costs	(105)
(c)	Total	390
(d)	Contract	(345)
(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 UNDERWATER SYSTEMS CENTER, NEWPORT, RHODE ISLAND	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	1.16

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	16	38	2048	0	0	24	0	0	0	2126
b. END FY 1994	16	39	2061	0	0	24	0	0	0	2140

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(370)	
b. INVENTORY TOTAL AS OF 30 SEP 88		103,060
c. AUTHORIZATION NOT YET IN INVENTORY		750
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,420
g. REMAINING DEFICIENCY		42,870
h. GRAND TOTAL		156,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
312.10	GUIDED MISSILE LABORATORY	18,590 SF	4,000	11/88	01/90
	TOTAL		4,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS.

310.33	DATA CENTER	LS	5,420

10. MISSION OR MAJOR FUNCTIONS:

The Naval Underwater System Center is the principal Navy RDT&E Center for underwater weapons systems. It plans and conducts programs of warfare and systems analysis, RDT&E, and Fleet support in underwater warfare weapons systems and components, undersea surveillance systems, submarine communications systems, navigation and related sciences and technology. The Headquarters Newport Laboratory performs a wide variety of functions ranging from exploratory research through the in-service engineering assistance of the Fleet throughout the life-cycle of these systems. This center also manages subsidiary laboratories including Newlondon, CT: AUTEC Test Ranges, Andros, Bahamas; and Bermuda Laboratory.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL UNDERWATER SYSTEMS CENTER, NEWPORT, RHODE ISLAND	GUIDED MISSILE LABORATORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	312.10	P-034	4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GUIDED MISSILE LABORATORY.	SF	18,590	184.00	3,410
SUPPORTING FACILITIES.	-	-	-	200
UTILITIES.	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT, RELOCATION. .	LS	-	-	(110)
SUBTOTAL	-	-	-	3,610
CONTINGENCY (5%)	-	-	-	180
TOTAL CONTRACT COST.	-	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	210
TOTAL REQUEST.	-	-	-	4,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(4,730)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, reinforced concrete foundation and floors, masonry walls with brick facing, built-up roof, elevator, bridge crane, computer flooring, TEMPEST shielding, wet-pipe sprinkler system and fire protection pumps, Halon storage tanks, air conditioning, utilities; laboratories, shops, offices; grounding system, rock excavation; relocate one building.

11. REQUIREMENT: 18,590 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides an integrated submarine and surface missile systems laboratory to accomplish life-cycle support and configuration management, in-service engineering, and inert missile assembly and disassembly for the Sea Lance Anti-Submarine Warfare (ASW) standoff weapon system, an advanced missile being developed for SSN classes 637, 688 and 21, and surface ship classes CG-47, DD 963, and DDG-51. (New mission.)

REQUIREMENT: Adequate and properly-configured facilities to accommodate the mission responsibility for the total technical aspects throughout the service life of the Sea Lance Weapons System. The facility will support development, integration, certification, at sea testing, avionics and software life-cycle support, engineering fleet support, and inert missile assembly and disassembly for the service life of the missile. Newport has been assigned technical, acquisition engineering, and in-service engineering agent for the Sea Lance Weapon Missile System and subsystems. Newport will be required to certify and support Sea Lance missile readiness commencing before the initial production unit deliveries are deployed to the Fleet in 1991.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL UNDERWATER SYSTEMS CENTER, NEWPORT, RHODE ISLAND

4. PROJECT TITLE	5. PROJECT NUMBER
GUIDED MISSILE LABORATORY	P-034

11. REQUIREMENT: (Continued)
CURRENT SITUATION: There are no facilities that can be dedicated to support the Sea Lance program. All existing laboratory space that could possibly be utilized or converted to an appropriate support facility are actively being utilized in support performance of otner critical RDT&E functions.
IMPACT IF NOT PROVIDED: Newport could not support the Sea Lance missile program as the technical and in-service engineering agent for its life-cycle. Navy would be unable to insure that the Sea Lance missile is maintained in its required high state of readiness during its deployment.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (55)
- (c) Total..... 250
- (d) Contract..... (210)
- (e) In-house..... (40)

(4) Construction start..... 12-90 (month and year)

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL UNDERWATER SYSTEMS CENTER, NEWPORT, RHODE ISLAND

4. PROJECT TITLE	5. PROJECT NUMBER
GUIDED MISSILE LABORATORY	P-034

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)
Miscellaneous subsystems, computer aided engineering development operating systems, simulators, consoles, micro-processors, Sea Lance Inert Missile, guidance electronic unit, missile test set, assembly stand, adapters, flight termination system and test set, and other hardware.	WPN	1990	1,420
	NIF	1986	470
	WPN	1990	2,840
	TOTAL		4,730

1. COMPONENT: NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION: MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA

4. COMMAND: COMMANDANT OF THE MARINE CORPS

5. AREA CONSTR. COST INDEX: 93

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	67	433	448	0	15	0	267	2540	275	4045
b. END FY 1994	63	430	451	0	157	0	311	2911	146	4489

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(10,558)	
b. INVENTORY TOTAL AS OF 30 SEP 88		105,640
c. AUTHORIZATION NOT YET IN INVENTORY		4,990
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		9,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		15,950
g. REMAINING DEFICIENCY		25,350
h. GRAND TOTAL		167,930

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	6,500	02/88	10/90
	TOTAL		6,500		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM

141 70	AIR TRAFFIC CTRL TOWER	LS	2,600
721 12	BACH ENLISTED QTRS PH II	72,410 SF	6,900
	TOTAL		9,500

B. MAJOR PLANNED NEXT THREE YEARS

116 35	ACFT ARMING/DEARMING PADS	23,200 SY	1,750
721 11	BEQ PH III	350 PN	8,900
211 10	ACFT ACOUSTICAL ENCL	10 EA	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

DD FORM 1390
1DEC76

1 COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	6,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BACHELOR ENLISTED QUARTERS	SF	72,410	70.00	5,070
SUPPORTING FACILITIES	-	-	-	800
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(490)
UTILITIES	LS	-	-	(90)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(220)
SUBTOTAL	-	-	-	5,870
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST	-	-	-	6,160
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	340
TOTAL REQUEST	-	-	-	6,500
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	2-86
(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	(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: NAVY

2. DATE

FY 1991 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION: NAVAL HOSPITAL, CHARLESTON, SOUTH CAROLINA

4. COMMAND: NAVAL MEDICAL COMMAND

5. AREA CONSTR. COST INDEX: 92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	239	555	235	2	1	0	0	0	0	1032
b. END FY 1994	280	535	235	2	1	0	0	0	0	1053

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(	0)
b. INVENTORY TOTAL AS OF 30 SEP 88		23,960
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		550
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		2,520
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		27,030

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841.40	EMERGENCY WATER STOR TANK	LS	550	02/89	10/89
	TOTAL		550		

9 FUTURE PROJECTS

A INCLUDED IN FOLLOWING PROGRAM

74.11	BEQ IMPROVEMENTS	LS	2,520	
	TOTAL		2,520	

B MAJOR PLANNED NEXT THREE YEARS
NONE

10 MISSION OR MAJOR FUNCTIONS

Provide general clinical hospitalization for active duty Navy and Marine Corps personnel, active duty members of the 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: NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION: CHARLESTON NAVAL SHIPYARD, CHARLESTON, SOUTH CAROLINA

4. COMMAND: NAVAL SEA SYSTEMS COMMAND

5. AREA CONSTR. COST INDEX: 92

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 08/30/88	46	13	8400	0	0	0	0	0	0	8459
b. END FY 1994	53	15	8400	0	0	0	0	0	0	8468

7. INVENTORY DATA ($000)

TENANT OF NB

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	246,610
c. AUTHORIZATION NOT YET IN INVENTORY	11,450
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,800
f. PLANNED IN NEXT THREE PROGRAM YEARS	10,400
g. REMAINING DEFICIENCY	65,620
h. GRAND TOTAL	342,380

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841 10	WATER TREATMENT FAC	LS	500	01/89	10/89
	TOTAL		500		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM

213 49	RAPID ACQ OF MANUFAC PARTS	LS	7,800	
	TOTAL		7,800	

B. MAJOR PLANNED NEXT THREE YEARS

843 10	FIRE PROTECTION SYSTEM	LS	10,400	

10. MISSION OR MAJOR FUNCTIONS

Maintenance and overhaul of surface ships and modern attack and fleet ballistic missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, drydocking of surface ships and modern submarines. The yard also provides support for anti-air, anti-submarine warfare weapons systems.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A. POLLUTION ABATEMENT	60
B. INSTALLATION RESTORATION	1,820
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

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 09/30/88	1500	20000	500	0	0	0	106	538	0	22644
b. END FY 1994	1553	21000	500	0	0	0	106	538	0	23697

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT CF NB

b. INVENTORY TOTAL AS OF 30 SEP 88	124,240
c. AUTHORIZATION NOT YET IN INVENTORY	13,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,590
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	57,230
f. PLANNED IN NEXT THREE PROGRAM YEARS	69,200
g. REMAINING DEFICIENCY	92,530
h. GRAND TOTAL	360,340

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.58	BOAT SHOP	10,100 SF	1,090	10/88	09/89
610.10	PASS OFFICE ADDITION	LS	500	09/88	06/89
	TOTAL		1,590		

9. FUTURE PROJECTS:

	A. INCLUDED IN FOLLOWING PROGRAM		
135.20	TELEPHONE DUCT BANKS	LS	700
151.20	BERTHING PIER (SSN-21)	LS	50,000
610.10	CLASSIFIED DESTRUCTION	LS	280
730.10	FIRE STATION	3,600 SF	670
730.15	BRIG	47,840 SF	900
932.20	UTILITIES SITE IMPROV	LS	4,670
	TOTAL		57,230

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. Ships homeported will increase to approximately 56 by 1990 as new FFG-7 class frigates enter the fleet. 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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, CHARLESTON, SOUTH CAROLINA	BOAT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	213.58	P-699	1,090

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
BOAT SHOP	SF	10,100	-	790
OPERATIONS AND SHOP SPACES	SF	5,000	90.00	(450)
STORAGE SPACE	SF	5,100	67.00	(340)
SUPPORTING FACILITIES	-	-	-	190
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(140)
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(50)
SUBTOTAL	-	-	-	980
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	1,030
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	60
TOTAL REQUEST	-	-	-	1,090
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete frame building, concrete floor, pile foundation, masonry walls with brick veneer, steel roof joists and built-up roof, utilities, air conditioning, fire protection system.

11. REQUIREMENT: 10,100 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides waterfront support building for the Naval Mine Warfare Division based at Charleston. (Current mission.)
REQUIREMENT: Adequate small boat repair, operations, and spare parts storage facilities for Mine Division 125 (MINEDIV 125). MINEDIV 125 operates ten mine warfare small craft and is responsible for providing necessary maintenance and repair services to keep them operational. These vessels consist of seven Mine Sweeping Boats and three Landing Craft, Utility. These craft are constructed on non-metal hulls and cabins to reduce influence on magnetic mines. They require considerable more maintenance than metal hull craft. Boats must be constantly lifted out of the water and have their hulls sanded, repaired and repainted. In order to maintain and repair these craft and their mine countermeasures on-board equipment, the division must perform electronics work, woodworking, painting, grinding, welding and other mechanical functions to gas turbines, other engine components and various structural systems of the vessels.
CURRENT SITUATION: No repair facilities or spare parts storage warehouse are available at the Naval Station for MINEDIV 125 functions. Repair services are provided using three vans parked on the bulkhead between the

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
BOAT SHOP	P-699

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
mine warfare berthing piers. These vans are used by MINEDIV 125 to permit rapid deployment worldwide of the mine warfare craft and for their repair and maintenance functions and on-site spare parts storage. These vans are not adequate for permanent day-to-day homeport repair and maintenance activities. The vans provide very limited work spaces and movement in them is restricted making repair work difficult. Bulk spare parts storage is provided off-base by sharing warehouse space with another unit. The warehouse space is leased by GSA and is costly to the Navy. Off-base leasing causes delays in repairs because most parts are not readily available near the repair shops. On-base storage will eliminate the warehouse lease cost and improve operational logistics.
IMPACT IF NOT PROVIDED: Use of the the deployable vans with permanent shops and operations facilities will continue to result in delays and operational difficulties in repairing damaged mine warfare small craft and performing the routine but extensive boat maintenance. This lowers readiness and could adversely impact the division's ability to deploy rapidly to trouble spots around the world.

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	10-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	3-89
(d)	Date Design Complete	9-89

(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	(10)
(b)	All Other Design Costs	(10)
(c)	Total	20
(d)	Contract	(15)
(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 SUPPLY CENTER, CHARLESTON, SOUTH CAROLINA	NAVAL SUPPLY SYSTEMS COMMAND	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	23	3	1051	0	0	22	0	0	129	1228
b. END FY 1994	23	3	1051	0	0	22	0	0	129	1228

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		32,130
c. AUTHORIZATION NOT YET IN INVENTORY		12,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		42,500
h. GRAND TOTAL		90,020

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.72	FLEET SUPPLY SPT STORE	36,230 SF	3,200	11/88	01/90
	TOTAL		3,200		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provides logistics support for the worldwide POSEIDON and TRIDENT I backfit Fleet Ballistic Missile Submarine program, and is the primary supply point for over 70 surface combatants and support ships homeported in Charleston as well as for shore activities throughout the southeastern US and the Caribbean. A major function is maintaining a 30-day supply of provisions including frozen meat and other frozen products, to adequately support and insure the operational readiness of these forces.

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 SUPPLY CENTER, CHARLESTON, SOUTH CAROLINA	FLEET SUPPLY SUPPORT STORE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	441.72	P-058	3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FLEET SUPPLY SUPPORT STORE	SF	36,230	-	1,940
ADMINISTRATIVE AREA	SF	1,220	82.00	(100)
SALES AND DISPLAY AREA	SF	21,240	68.00	(1,440)
WAREHOUSE AREA	SF	13,770	29.00	(400)
SUPPORTING FACILITIES	-	-	-	350
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(660)
UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT	LS	-	-	(190)
SUBTOTAL	-	-	-	2,890
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	3,030
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	170
TOTAL REQUEST	-	-	-	3,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story pre-engineered steel frame building, pile foundation, concrete floor, insulated metal walls and roof, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 36,230 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs a waterfront-area fleet supply support store (FSSS) for consumable items of immediate need to fleet units. (Current mission.)
REQUIREMENT: An adequate and properly configured facility to house the FSSS in close proximity to the primary ship berthing area with adequate access and parking for efficient and convenient customer service. Homeported and transient ships at the Naval Station need a FSSS located close to berthing piers for issue of high use consumables without the necessity of going through the individual requisition process. The supply center's FSSS accounts for approximately 45 percent of the total issues of consumables, hand tools, minor repair parts and general shipboard maintenance materials. Some 3,600 line items are carried as shelf and bin stock for direct issue to the customers of approximately 80 ships homeported at the Naval Station and undergoing repair at the Charleston Naval Shipyard.
CURRENT SITUATION: The FSSS was housed in a high-bay concrete and steel structure. Use of this building as a FSSS did not effectively use the cubic space available. The supply center was designated the principal TRIDENT Weapon Systems stock point for the East Coast. To support this

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL SUPPLY CENTER, CHARLESTON, SOUTH CAROLINA	
4. PROJECT TITLE	5. PROJECT NUMBER
FLEET SUPPLY SUPPORT STORE	P-058

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
new requirement the FSSS building was developed by other appropriations into a high-rise narrow aisle storage facility. Interim relocation of the FSSS was necessary to allow storage of the TRIDENT Weapon Systems components. No other spaces are available for storage of these items. In the interim, the FSSS facility will be temporarily relocated to an inadequate general purpose warehouse in the shipyard's industrial area.
IMPACT IF NOT PROVIDED: The FSSS will be forced to operate in an inadequate facility located in a highly congested area in the shipyard industrial complex adversely impacting service to the fleet. Quantities of materials may be damaged by weather and subjected to pilferage in the interim facility.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (55)
- (c) Total..... 190
- (d) Contract..... (175)
- (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 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 09/30/88	136	2530	987	0	0	0	9	27	0	3689
b. END FY 1994	132	2510	980	40	904	0	19	47	0	4632

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(17,537)	
b. INVENTORY TOTAL AS OF 30 SEP 88		164,690
c. AUTHORIZATION NOT YET IN INVENTORY		46,550
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		36,300
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,100
f. PLANNED IN NEXT THREE PROGRAM YEARS		51,350
g. REMAINING DEFICIENCY		39,810
h. GRAND TOTAL		354,800

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
159.64	PROPULSION TRNG FACILITY	LS	25,000	12/88	06/90
216.40	SEALANCE MISSL MAINT FAC	35,730 SF	9,400	11/88	01/90
421.72	MISSILE MAGAZINE	9,600 SF	1,900	10/88	09/89
	TOTAL		36,300		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM					
421 72	MISSISLE MAGS (TOMAHAWK)	LS	2,000		
421.72	MISSILE MAGAZINE	LS	2,100		
842.10	WATER DISTRIBUTION SYS	LS	500		
860.20	BARRICADED RAILRD SIDINGS	LS	11,500	11/88	01/90
	TOTAL		16,100		
B. MAJOR PLANNED NEXT THREE YEARS:					
159.64	MOORING TRNG SHIP IMPROV	LS	40,000		

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), and one floating dry dock (ARDM).
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 PROJECT DATA	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	1,900

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, RAILROAD	LS	-	-	(200)
SUBTOTAL	-	-	-	1,710
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,800
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,900
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, 17.5-foot wide hardened doors, loading dock, security lighting, lightning protection, loading apron, access road, railroad spur, 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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
MISSILE MAGAZINE	P-784

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
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.

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..... 10-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 3-89
- (d) Date Design Complete..... 9-89

(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): ($ '00)
- (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 PROJECT DATA	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	25,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROPULSION TRAINING FACILITY	LS	-	-	14,730
BUILDING	SF	65,000	85.00	(5,530)
PIER	LS	-	-	(2,300)
SPECIAL MARINE MOORINGS	LS	-	-	(1,200)
BUILT-IN EQUIPMENT	LS	-	-	(5,700)
SUPPORTING FACILITIES	-	-	-	7,840
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(4,000)
ELECTRICAL UTILITIES	LS	-	-	(1,600)
MECHANICAL UTILITIES	LS	-	-	(500)
PAVING, AND SITE IMPROVEMENT, DREDGING	LS	-	-	(1,740)
SUBTOTAL	-	-	-	22,570
CONTINGENCY (5%)	-	-	-	1,130
TOTAL CONTRACT COST	-	-	-	23,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	1,300
TOTAL REQUEST	-	-	-	25,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(220,000)

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel frame 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; pier and approach pier each 300-feet long and 25-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. (Facilities for the first MTS were provided by a FY 1987 MCON project). Because of the urgent need for the second MTS, the Chief of Naval Operations specifically approved the second MTS on 7 June 1987.

CURRENT SITUATION: No alternate facilities are available to support the second MTS. The planned site at this station is the only site considered acceptable because of security, safety and accessibility requirements, as well as efficiencies gained by operating the first and second MTS at the same site.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
PROPULSION TRAINING FACILITY	P-869

11. REQUIREMENT: (Continued)
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.

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..... 12-88
- (b) Percent Complete as of January 1990..... 50
- (c) Date Design 35% Complete..... 7-89
- (d) Date Design Complete..... 6-90

(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:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost ($000)
Conversion of SSBN to MTS	SCN	1990	220,000

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA	SEALANCE MISSILE MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702031N	216.40	P-823	9,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SEALANCE MISSILE MAINTENANCE FACILITY. . . .	SF	35,730	-	5,900
INTERMEDIATE MAINTENANCE ACTIVITY.	SF	29,750	120.00	(3,580)
TEST CELL.	LS	-	-	(1,200)
MAGAZINE	SF	5,980	150.00	(900)
BUILT-IN EQUIPMENT	LS	-	-	(120)
TECHNICAL OPERATING MANUALS.	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	2,590
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(390)
UTILITIES.	LS	-	-	(600)
PAVING AND SITE IMPROVEMENT, RAILROAD. . .	LS	-	-	(1,600)
SUBTOTAL	-	-	-	8,490
CONTINGENCY (5%)	-	-	-	420
TOTAL CONTRACT COST.	-	-	-	8,910
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	490
TOTAL REQUEST.	-	-	-	9,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

IMA: One-story reinforced concrete frame and masonry building, pile foundation and concrete floor, built-up roof on insulated preformed roof panels, bridge cranes, explosive-proof wiring, high pressure air system, sprinkler system, air conditioning, security fencing and lighting, loading platforms, lightning mast and grounding system, access road, railroad, utilities.
MAGAZINE: One earth-covered reinforced concrete three-bay magazine, loading platform, 25-foot wide doors, access road, railroad, overhead cranes, paved apron, security lighting, recessed grounding terminals in floors, intrusion detection system, fire protection system, utilities.
TEST CELL: One-story reinforced concrete building, concrete foundation and floor, built-up roof, fire protection system, ventilation, utilities; hoists; access apron.

11. REQUIREMENT: 35,730 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs maintenance and storage facilities for the SEALANCE weapons system, provides life-cycle intermediate level maintenance for introduction into the Atlantic Fleet. (New mission.)
REQUIREMENT: An intermediate level maintenance facility to accommodate the SEALANCE Fleet introduction schedule. A new facility with dust, humidity and temperature control is necessary to perform assembly, checkout and maintenance of exercise and warshot SEALANCE weapons for the Atlantic Fleet. The SEALANCE is an advanced digital missile developed to

(Continued on DD 1391C)

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

3. INSTALLATION AND LOCATION

NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA

4. PROJECT TITLE	5. PROJECT NUMBER
SEALANCE MISSILE MAINTENANCE FACILITY	P-823

11. REQUIREMENT: (Continued)
support the SSN 637, SSN 688 and SSN 21 class submarines. The SEALANCE missile will also be deployed on DD 963, CG 47 and DDG 51 class surface ships. SEALANCE will deliver the high performance MK-50 torpedo as its payload and will be the fleet's primary quick reaction, long range ASW weapon.
CURRENT SITUATION: No facilities presently exist which can support the Fleet introduction and life-cycle intermediate maintenance of SEALANCE weapons. The weapons must be assembled during the production years as components are received from the manufacturer.
IMPACT IF NOT PROVIDED: Final development of SEALANCE will not be possible and introduction into the fleet and initial Operating Cycle will not be achieved.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (310)
- (b) All Other Design Costs..... (155)
- (c) Total..... 465
- (d) Contract..... (400)
- (e) In-house..... (65)

(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 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 09/30/88	124	1942	683	0	4500	0	0	0	0	7249
b. END FY 1994	317	2109	1066	0	5120	0	0	0	0	8612

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,080)	
b. INVENTORY TOTAL AS OF 30 SEP 88		110,820
c. AUTHORIZATION NOT YET IN INVENTORY		4,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,300
f. PLANNED IN NEXT THREE PROGRAM YEARS		7,000
g. REMAINING DEFICIENCY		64,510
h. GRAND TOTAL		197,650

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000	DESIGN STATUS START	DESIGN STATUS COMPLETE
730.13	CLOTHING ISSUE BUILDING	35,600 SF	3,400	11/88	10/90
	TOTAL		3,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
179.55	COMBAT TRNG POOL/TANK	LS	3,900
610.72	BATTALION OPS CENTER	15,390 SF	2,200
730.20	SECURITY HEADQUARTERS	6,510 SF	1,200
	TOTAL		7,300
B. MAJOR PLANNED NEXT THREE YEARS:			
441.12	ORGANIC STRG BLDG	LS	1,500
722.10	MESS HALL	32,000 SF	5,500

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	730.13	P-118	3,400

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 (5.5%). .	-	-	-	180
TOTAL REQUEST.	-	-	-	3,400
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, dress blue uniform issue, 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 and retail facility. (Current mission.)
REQUIREMENT: Adequate facility to house all functions necessary to issue, alter, and sell uniforms to recruit and 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 onboard recruit population varies seasonably between 3,500 and 9,000 persons.
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° F. The design, materials, and construction of these buildings prevent any economical alterations to make them adequate. (Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

11. REQUIREMENT: (Continued)
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.

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..... 100
- (c) Date Design 35% Complete..... 1-89
- (d) Date Design Complete..... 1-90

(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 AIR STATION, CORPUS CHRISTI, 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 09/30/88	313	977	563	469	0	0	0	0	0	2322
b. END FY 1994	346	1169	563	408	0	0	0	0	0	2486

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,401)	
b. INVENTORY TOTAL AS OF 30 SEP 88		139,280
c. AUTHORIZATION NOT YET IN INVENTORY		3,830
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		4,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,760
g. REMAINING DEFICIENCY		26,570
h. GRAND TOTAL		176,140

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
136.10	AIRFIELD LIGHTING	LS	4,700	11/88	01/90
	TOTAL		4,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	BACH ENL QTRS IMPROVES	LS	1,360
821.22	BOILER PLANT PHASE II	LS	400

10. MISSION OR MAJOR FUNCTIONS:
Maintain and operate facilities and provide services and materiels in support of basic and advanced Navy pilot training in propellor aircraft

Coast Guard — Training Wing Four
Corpus Christi Army Depot — Three Training Squadrons
Chief of Naval Air Training

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 AIR STATION, CORPUS CHRISTI, TEXAS	AIRFIELD LIGHTING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	136.10	P-270	4,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AIRFIELD LIGHTING	LS	-	-	4,240
SUBTOTAL.	-	-	-	4,240
CONTINGENCY (5%).	-	-	-	210
TOTAL CONTRACT COST	-	-	-	4,450
SUPERVISION, INSPECTION AND OVERHEAD. (5.5%)	-	-	-	250
TOTAL REQUEST	-	-	-	4,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	-	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Install concrete encased conduit, hand holes, man holes, airfield lighting fixtures, electric power vault, transformers and switchgear; removal of direct burial conduit, light fixtures, vault.

11. REQUIREMENT: As Required.
PROJECT: Installs a modern airfield lighting system. (Current mission.)
REQUIREMENT: A reliable and effective airfield lighting system for flight safety at night and during hours of reduced visibility.
CURRENT SITUATION: The existing 25 year-old airfield lighting system employs direct burial cable. The original switches are deteriorated and unreliable, creating a safety hazard. Airfield lighting failures have contributed to accidents, such as a pilots running off the airfield pavement during taxiing maneuvers. Airfield lighting failures have also resulted in C-5A aircraft, used to deliver and transport Army helicopters and supplies, being diverted to other outlying airports at additional costs. The existing vault is also in very poor condition and too small to adequately house updated regulators, switchgear, and standby generating equipment.
IMPACT IF NOT PROVIDED: The lighting system will continue to deteriorate and become more difficult to maintain for a fully operational state. The effectiveness of the aviation training programs will be diminished.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, CORPUS CHRISTI, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
AIRFIELD LIGHTING	P-270

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..... 100
(c) Date Design 35% Complete..... 5-89
(d) Date Design Complete..... 1-90

(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..... (60)
(c) Total..... 210
(d) Contract..... (20)
(e) In-house..... (190)

(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 09/30/88	0	0	0	0	0	0	0	0	0	0
b. END FY 1994	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 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	11,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	23,600

9. 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	11,800	07/86	12/87
	TOTAL		11,800		

9. FUTURE PROJECTS

A. INCLUDED IN FOLLOWING PROGRAM
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

DD FORM 1390
1DEC76

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	11,800

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 (5.5%)	-	-	-	620
TOTAL REQUEST	-	-	-	11,800
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, 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 139_c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL TECHNICAL TRAINING CENTER DETACHMENT, LACKLAND AFB, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS	P-002

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..... 7-86
(b) Percent Complete as of January 1990..... 100
(c) Date Design 35% Complete..... 11-86
(d) Date Design Complete..... 12-87

(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.....(560)
(b) All Other Design Costs.....(125)
(c) Total..... 685
(d) Contract.....(0)
(e) In-house.....(685)

(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 09/30/88	1235	1260	1237	0	0	0	0	0	0	3732
b. END FY 1994	1151	1069	1317	0	0	0	0	0	0	3537

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(21)	
b. INVENTORY TOTAL AS OF 30 SEP 88		26,980
c. AUTHORIZATION NOT YET IN INVENTORY		3,020
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,090
g. REMAINING DEFICIENCY		36,550
h. GRAND TOTAL		70,440

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.11	GENERAL PURPOSE WAREHOUSE	36,500 SF	2,800	09/86	02/90
	TOTAL		2,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	HEADQUARTERS BUILDING	LS	1,090

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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA	GENERAL PURPOSE WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901296M	441.11	P-006	2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GENERAL PURPOSE WAREHOUSE.	SF	36,500	-	1,760
BUILDING	SF	36,500	44.00	(1,620)
BUILT-IN EQUIPMENT	LS	-	-	(140)
SUPPORTING FACILITIES.	-	-	-	770
ELECTRICAL UTILITIES	LS	-	-	(400)
MECHANICAL UTILITIES	LS	-	-	(200)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(170)
SUBTOTAL	-	-	-	2,530
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,650
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	150
TOTAL REQUEST.	-	-	-	2,800
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: 36,500 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 conversion 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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL PURPOSE WAREHOUSE	P-006

11. REQUIREMENT: (Continued)
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.

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..... 9-86
- (b) Percent Complete as of January 1990..... 90
- (c) Date Design 35% Complete..... 2-87
- (d) Date Design Complete..... 2-90

(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..... (60)
- (c) Total..... 220
- (d) Contract..... (190)
- (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
MARINE CORPS DETACHMENT, CAMP ELMORE, VIRGINIA	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 09/30/88	141	614	5	0	0	0	0	0	0	760
b. END FY 1994	10	150	5	0	0	0	187	507	108	967

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(18)	
b. INVENTORY TOTAL AS OF 30 SEP 88		8,770
c. AUTHORIZATION NOT YET IN INVENTORY		6,950
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		6,200
g. REMAINING DEFICIENCY		7,730
h. GRAND TOTAL		32,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	OPERATIONS CENTER	22,710 SF	2,850	06/87	01/90
	TOTAL		2,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

610.10	ADMINISTRATIVE BLDG	96,480 SF	6,200

10. MISSION OR MAJOR FUNCTIONS:
Provide facilities to support Headquarters, Fleet Marine Force, Atlantic and such other units as may be assigned and to provide disbursing support to commands at Camp Elmore; Marine Barracks, Norfolk, Virginia; and Marine Detachment, Commander in Chief, Atlantic Fleet.

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
MARINE CORPS DETACHMENT, CAMP ELMORE, VIRGINIA	OPERATIONS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	610.10	P-801	2,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS CENTER	SF	22,710	-	1,780
BUILDING	SF	22,710	75.00	(1,700)
BUILT-IN EQUIPMENT	LS	-	-	(80)
SUPPORTING FACILITIES	-	-	-	790
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(50)
ELECTRICAL UTILITIES	LS	-	-	(130)
MECHANICAL UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT	LS	-	-	(450)
SUBTOTAL	-	-	-	2,570
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,700
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, pile foundation, concrete floors, brick facing, built-up roof over insulation on metal decking, administrative and armory spaces, security fencing and lighting, intrusion detection system, fire protection system, air conditioning, emergency generator, vault, utilities.

11. REQUIREMENT: 22,710 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs an administrative building to establish a consolidated Marine Amphibious Brigade (MAB) operations center. (Current mission.)
REQUIREMENT: An adequate administrative building to accommodate consolidating the headquarters functions of the newly reorganized and expanded 4th MAB headquarters. The mission of the Headquarters, 4th MAB, Fleet Marine Force Atlantic, is to provide the command element for a brigade-sized Marine task force of integrated ground combat, aviation combat, and combat service support forces. This organization has grown from a nucleus planning staff of 61 Marine and Navy officers and enlisted personnel to a fully operational Marine air-ground task force headquarters of approximately 168 personnel, including an integral headquarters and service company. It provides the command, control, and coordination capability essential for effective planning and execution of exercise and contingency operations for a force of 10,000 to 17,000 Marines.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

MARINE CORPS DETACHMENT, CAMP ELMORE, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS CENTER	P-801

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The headquarters functions are housed in spatially and functionally inadequate buildings scattered over a distance of three miles. As the staff expanded, it was necessary to find additional work spaces. Presently, the headquarters functions are located in five different locations. Headquarters and headquarters administrative support are located at two sites, and motor transport, supply, and the armory are at three other sites. When the MAB is fully expanded, these sites will accommodate the 26 functional sections of general and special staff of the headquarters, and a portion of the eight functional sections of the headquarters and service company.

IMPACT IF NOT PROVIDED: Lack of adequate and consolidated work spaces results in severe coordination and communication problems, inefficient utilization of resources, and loss of valuable time. The ability to accomplish the assigned missions will continue to be degraded resulting in reduced operational readiness.

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	6-87
(b) Percent Complete as of January 1990	100
(c) Date Design 35% Complete	5-89
(d) Date Design Complete	1-90

(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	(100)
(c) Total	260
(d) Contract	(210)
(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 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 09/30/88	21	25	146	0	0	0	0	0	0	192
b. END FY 1994	18	56	171	0	0	0	0	0	0	245

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,193)	
b. INVENTORY TOTAL AS OF 30 SEP 88		13,270
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,800
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. **GRAND TOTAL**		23,070

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.17	SPACE SURVEILLANCE CTR	51,000 SF	9,800	11/88	12/89
	TOTAL		9,800		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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

DD FORM 1390
1DEC76

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	9,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SPACE SURVEILLANCE CENTER	SF	51,000	-	7,120
BUILDING	SF	51,000	104.00	(5,320)
BUILT-IN EQUIPMENT	LS	-	-	(1,800)
SUPPORTING FACILITIES	-	-	-	(1,730)
ELECTRICAL UTILITIES	LS	-	-	(830)
MECHANICAL UTILITIES	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT	LS	-	-	(660)
SUBTOTAL	-	-	-	8,850
CONTINGENCY (5%)	-	-	-	440
TOTAL CONTRACT COST	-	-	-	9,290
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	510
TOTAL REQUEST	-	-	-	9,800
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: 51,000 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. (Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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: 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 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 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	100
(c)	Date Design 35% Complete	3-89
(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	(670)
(b)	All Other Design Costs	(220)
(c)	Total	890
(d)	Contract	(780)
(e)	In-house	(110)

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
SPACE SURVEILLANCE CENTER	P-249

12. SUPPLEMENTAL DATA: (Continued)

(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)
Miscellaneous technical and operational intelligence communications equipment	OPN	1992-1994	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 ACTIVITY, 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 09/30/88	44	70	238	0	0	0	0	0	0	352
b. END FY 1994	49	105	250	0	0	0	0	0	0	404

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT OF FCTCLANT

b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	6,330
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	6,330

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	6,330	11/88	01/90
	TOTAL		6,330		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY, 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	6,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMPUTER PROGRAMMING OPS CENTER ADDITION . .	SF	43,820	-	4,970
BUILDING ADDITION.	SF	43,820	71.00	(3,120)
BUILT-IN EQUIPMENT	LS	-	-	(1,850)
SUPPORTING FACILITIES.	-	-	-	740
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(280)
ELECTRICAL UTILITIES	LS	-	-	(230)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	5,710
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST.	-	-	-	6,000
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	330
TOTAL REQUEST.	-	-	-	6,330
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, uninterruptible power supply, intrusion detection system, 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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY, DAM NECK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION	P-983

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
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.
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 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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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.....(360)
- (c) Total..... 580
- (d) Contract.....(420)
- (e) In-house.....(160)

(4) Construction start..... 3-91 (month and year)

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY, DAM NECK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION	P-983

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)
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
MARINE ENVIRONMENTAL SYSTEMS FACILITY, DAM NECK, 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 09/30/88	35	285	29	0	0	0	0	0	0	349
b. END FY 1994	35	285	29	0	0	0	0	0	0	349

7. INVENTORY DATA ($000)

	TENANT OF FCTCLANT
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	11,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	19,800

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
155.21	OPERS & MAINT FACILITIES	LS	8,000	11/88	01/90
	TOTAL		8,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Conduct research in support of special requirements. Analyze environmental effects caused by usage of marine related 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE ENVIRONMENTAL SYSTEMS FACILITY, DAM NECK, VIRGINIA	OPERATIONS AND MAINTENANCE FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	155.21	P-335	8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS AND MAINTENANCE FACILITIES. . . .	LS	-	-	4,940
BOAT STORAGE-OCEANA.	SF	8,400	60.00	(500)
HELICOPTER ENCLOSURE	SF	3,000	75.00	(220)
VEHICLE DISPATCH OFFICE.	SF	300	77.00	(30)
STORAGE BUILDINGS.	SF	4,140	60.00	(250)
TRAINING COMPLEX	SF	16,850	77.00	(1,300)
BUILDINGS ALTERATIONS.	LS	-	-	(2,640)
SUPPORTING FACILITIES.	-	-	-	2,280
SUBTOTAL	-	-	-	7,220
CONTINGENCY (5%)	-	-	-	360
TOTAL CONTRACT COST.	-	-	-	7,580
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	420
TOTAL REQUEST.	-	-	-	8,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One one-story, two two-story, one three-story reinforced concrete and masonry buidings, pile foundations, concrete floors, built-up roofing; one one-story masonry vehicle dispatch building; two one-story steel frame and metal siding storage buildings; fueling facility, wash racks; one one-story steel frame metal siding hangar; alterations to three buildings; reinforced concrete drying tower; fire protection system, air conditioning, ventilation, utilities.

11. REQUIREMENT: As Required.

PROJECT: Constructs boat storage facility at NAS Oceana. Constructs training facilities, helicopter enclosure, and operations and maintenance facilities at Fleet Combat Training Center Atlantic, Dam Neck to house the Marine Environmental Systems Facility (MARESFAC) detachment. (New mission.)

REQUIREMENT: Operations and administrative offices, research craft maintenance, training facilities, helicopter enclosure, vehicle and other storage and maintenance facilities. The MARESFAC detachment provides oceanographic information and research services to the Fleet. In performing this mission, it uses helicopters and specialized boats and craft which are designed to be air transportable. These craft are outfitted with delicate instruments requiring extensive maintenance and calibration and proper storage facilities to prevent damage to equipment and boat machinery. The transport vehicles such as four-wheel drive trucks and boat trailers need a maintenance shop and storage facilities. An

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

MARINE ENVIRONMENTAL SYSTEMS FACILITIES, DAM NECK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS AND MAINTENANCE FACILITIES	P-335

11. REQUIREMENT: (Continued)
enclosure is required to keep the helicopters out of the elements and to provide a sheltered maintenance area. The detachment needs operations and administrative spaces for administrative functions and mission planning. Training facilities are necessary. Facilities are required at Dam Neck because this activity supports a majority of the MARESFAC activities, including helicopter, boat and vehicle maintenance. The detachment also uses NAS Oceana as its air transport site. It stores "ready-for-deployment" boats and craft at Oceana to reduce deployment time by eliminating the road transit from Dam Neck to Oceana. No maintenance facilities are available at Oceana and none are planned. Activity mission, personnel strength, and operational equipment are expanding and require additional facilities.
CURRENT SITUATION: Minimal boat storage and repair facilities are available at Dam Neck. Vehicle maintenance is performed in makeshift facilities. No helicopter enclosure is available. The MARESFAC detachment is now and will continue to receive additional personnel, equipment, boats, and transport vehicles over the next several years. A project approved in the FY 1989 MILCON budget will provide boat storage at both the Dam Neck and Oceana sites. This is the last of a four increment construction program to provide facilities for MARESFAC.
IMPACT IF NOT PROVIDED: The detachment will lack needed operations and administrative spaces. Boat and vehicle maintenance will be performed either outside or in minimal facilities. The facilities construction program will not keep pace with the detachment's growth. Readiness will be adversely impacted because of the inability to keep the equipment and boats maintained on a regular repair cycle.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(2) Basis:
- (a) Standard or Definitive Design: Yes ___ No X
- (b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

MARINE ENVIRONMENTAL SYSTEMS FACILITIES, DAM NECK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS AND MAINTENANCE FACILITIES	P-335

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications.....	(450)
(b)	All Other Design Costs.....	(100)
(c)	Total.....	550
(d)	Contract.....	(500)
(e)	In-house.....	(50)

(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 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 09/30/88	1160	9979	1300	209	1453	0	57	429	0	14587
b. END FY 1994	1142	10160	1300	200	1629	0	57	430	0	14918

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(11,808)	
b. INVENTORY TOTAL AS OF 30 SEP 88		164,850
c. AUTHORIZATION NOT YET IN INVENTORY		59,770
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		21,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		16,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		16,120
g. REMAINING DEFICIENCY		68,650
h. GRAND TOTAL		347,940

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
213.75	LCAC COMPLEX (INCR II)	LS	12,400	12/88	06/90
217.10	SURTASS SUPPORT CENTER ADN	63,380 SF	7,250	07/87	03/90
610.10	SURF WAR DEV GRP OPERS FAC	16,900 SF	2,200	11/88	01/90
	TOTAL		21,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

155.20	LANDING CRAFT CUSHION COMP	LS	7,900
171.50	SMALL ARMS RANGE	9,100 SF	3,800
721.11	BACHELOR ENLISTED QUARTERS	118,080 SF	5,000
	TOTAL		16,700

B. MAJOR PLANNED NEXT THREE YEARS:

179.10	EOD TRAINING FAC	LS	4,950
740.74	CHILD CARE CENTER	LS	1,500

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	12,400

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 (5.5%). .	-	-	-	640
TOTAL REQUEST.	-	-	-	12,400
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, 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.
Comunications 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.)

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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: 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 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 45 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 surpressing earth berms, and wash rack. The first five LCAC's have been delivered with the remaining seven of the first squadron expected by 1990. The existing facilities can only accommodate twelve craft. Additional facilities are necessary for the remaining 33 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 status: (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	75
(c)	Date Design 35% Complete	7-89
(d)	Date Design Complete	6-90

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)

(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..... (600)
(b) All Other Design Costs..... (220)
(c) Total..... 820
(d) Contract..... (750)
(e) In-house..... (70)

(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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA	SURFACE WARFARE DEVELOPMENT GROUP OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	610.10	P-204	2,200

9. COST ESTIMATES

ITEM	U/M	QTY	UNIT COST	COST ($000)
SURFACE WARFARE DEVELOPMENT GROUP OPS FAC. .	SF	16,900	-	1,610
BUILDING	SF	16,900	85.00	(1,430)
BUILT-IN EQUIPMENT	LS	-	-	(130)
TECHNICAL OPERATING MANUALS.	LS	-	-	(50)
SUPPORTING FACILITIES.	-	-	-	370
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
ELECTRICAL UTILITIES	LS	-	-	(70)
MECHANICAL UTILITIES	LS	-	-	(50)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(180)
SUBTOTAL	-	-	-	1,980
CONTINGENCY (5%)	-	-	-	100
TOTAL CONTRACT COST.	-	-	-	2,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	120
TOTAL REQUEST.	-	-	-	2,200
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile foundation, concrete floors, engineered fill, elastomeric membrane roof, brick masonry exterior walls, computer flooring, intrusion detection system, fire protection system, shielding, communications system, uninterrupted power supply, air conditioning, utilities.

11. REQUIREMENT: 16,900 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Relocates administrative facilities currently housed in a World War II vintage structure located within the clear and noise zones of Norfolk International Airport. (Current mission.)
REQUIREMENT: Relocate the administrative functions of the Surface Warfare Development Group (SWDG) from beneath the northern glide path of Norfolk International Airport's main runway. Adequate and properly-configured facilities for SWDG to support the Naval Surface Forces of the Atlantic and Pacific Fleets by developing and improving surface warfare tactics for embarking surface force ships and by installing and operating automatic data collection equipment for evaluation of at-sea exercises. Collected data is reconstructed on shore computer facilities; evaluated with the development of improvements to Fleet tactics; and manuals rewritten or updated, printed and distributed to the operational forces. Computer simulation of development tactics is conducted to determine effectiveness. SWDG also provides direct, personalized tactical support to tactical

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
SURFACE WARFARE DEVELOPMENT GROUP OPERATIONS FACILITY	P-204

11. REQUIREMENT: (Continued)
commands through the conduct of tactical seminars, preparation of tactical planning packages, and maintenance of the Surface Warfare Data Base--a compendium of tactical lessons learned.
CURRENT SITUATION: SWDG functions are located in a building constructed as semi-permanent under wartime conditions during 1943. It is sited within the Norfolk International Airport's approach zone limits. A 1,500-foot runway extension completed in 1972 has resulted in noise levels from approaching aircraft in a range damaging to the human ear, and redefines the approach clear zone to include several administrative buildings including the SWDG building. During an Engineering Evaluation Inspection conducted in 1984, the building was found to be totally obsolete because of severe deterioration. The building was being renovated when it was discovered that the structural members supporting the floor and the steel wall studs had completely rusted through. A wind load analysis for this area indicates that a potential exists for a catastrophic failure of the entire building. Part of the building has already been evacuated which has severely impacted upon the ability of SWDG to perform their mission because of crowding in remaining spaces and dispersion of some functions to other areas of the base.
IMPACT IF NOT PROVIDED: Administrative functions of SWDG will continue in an existing deteriorating, potentially dangerous building subject to the extreme hazards of noise from low flying airplanes and the potential of a disaster of incalculable proportion. The potential for air disaster was underscored in December 1984 when a twin-engine Beechcraft crashed into the seawall between two of the base's piers on its approach to the airport. The development and evaluation of improvements to fleet tactics in support of the Naval Surface Forces will be severely hampered because of crowding in the deteriorated building and the separation of some functions from the main operations.

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..... 100
(c) Date Design 35% Complete..... 5-89
(d) Date Design Complete..... 1-90

(2) Basis:
(a) Standard or Definitive Design: Yes ____ No X
(b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
SURFACE WARFARE DEVELOPMENT GROUP OPERATIONS FACILITY	P-204

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	(130)
(b)	All Other Design Costs	(90)
(c)	Total	220
(d)	Contract	(180)
(e)	In-house	(40)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	7,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SURTASS SUPPORT CENTER ADDITION.	SF	63,380	-	5,540
BUILDING	SF	63,380	68.00	(4,330)
BUILT-IN EQUIPMENT	LS	-	-	(1,210)
SUPPORTING FACILITIES.	-	-	-	1,000
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(180)
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(540)
SUBTOTAL	-	-	-	6,540
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST.	-	-	-	6,870
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	380
TOTAL REQUEST.	-	-	-	7,250
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, intrusion detection system, 400 HZ electric power, bridge cranes, fire protection system, radio-frequency shielding, air conditioning, vaults, test tank enclosures, grounding, utilities; demolition of two buildings.

11. REQUIREMENT: 108,800 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. Second-flight ships will begin arriving in early 1989. (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 2,000-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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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)
The number of homeported ships assigned to Little Creek will increase from six to fourteen. The other ships will be homeported at Coronado, CA. 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 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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	7-87
(b)	Percent Complete as of January 1990	85
(c)	Date Design 35% Complete	11-87
(d)	Date Design Complete	3-90

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

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..... (400)
(b) All Other Design Costs..... (160)
(c) Total..... 560
(d) Contract..... (500)
(e) In-house..... (60)

(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 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 09/30/88	24	142	14	37	245	0	0	0	0	462
b. END FY 1994	29	136	14	46	312	0	0	0	0	537

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT OF NAB

b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,240
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,880

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.20	TRAINING MATERIALS STORAGE	LS	800	06/87	05/89
171.35	LCAC TRAINING FAC	11,300 SF	1,440	01/87	11/89
	TOTAL		2,240		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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

DD FORM 1390
1DEC76

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	1,440

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LANDING CRAFT AIR CUSHION TRAINING FACILITY.	SF	11,300	-	1,170
BUILDING	SF	11,300	95.00	(1,070)
BUILT-IN EQUIPMENT	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	130
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
UTILITIES, PAVING AND SITE IMPROVEMENT	LS	-	-	(60)
SUBTOTAL	-	-	-	1,300
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,370
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	70
TOTAL REQUEST.	-	-	-	1,440
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 will be procured for operator training, with delivery in 1989. About 100 people will be trained annually. Four LCAC craft are currently on-station, with a total of 45 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	1-87
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	2-89
(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	(0)
(b)	All Other Design Costs	(110)
(c)	Total	110
(d)	Contract	(10)
(e)	In-house	(100)

(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)
LCAC Operator Trainer, Cockpit Trainer	OPN	1989	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 09/30/88	82	823	31	155	2795	0	0	0	0	3886
b. END FY 1994	84	873	31	155	2819	0	0	0	0	3962

7. INVENTORY DATA ($000)

	TENANT OF NS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	17,210
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	18,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,200
f. PLANNED IN NEXT THREE PROGRAM YEARS	2,100
g. REMAINING DEFICIENCY	2,300
h. GRAND TOTAL	51,810

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	STATUS COMPLETE
171.20	ELEC TRADES TRNG BLDG ADDN	61,670 SF	6,000	06/84	08/89
179.45	FIRE FIGHTING TRAIN FAC	LS	12,000	10/85	01/90
	TOTAL		18,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
171.20	ELECTRICIAN'S INSTRUCT BLD	90,000 SF	12,200
	TOTAL		12,200
B. MAJOR PLANNED NEXT THREE YEARS:			
610.10	RENOVATE ADMIN SPACE	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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET TRAINING CENTER, NORFOLK, VIRGINIA	ELECTRICAL TRADES TRAINING BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0805796N	171.20	P-179	6,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRICAL TRADES TRAINING BUILDING ADDITION	SF	61,670	-	4,920
BUILDING ADDITION.	SF	61,670	78.00	(4,810)
BUILT-IN EQUIPMENT	LS	-	-	(110)
SUPPORTING FACILITIES.	-	-	-	500
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(220)
UTILITIES.	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(60)
DEMOLITION	LS	-	-	(90)
SUBTOTAL	-	-	-	5,420
CONTINGENCY (5%)	-	-	-	270
TOTAL CONTRACT COST.	-	-	-	5,690
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	310
TOTAL REQUEST.	-	-	-	6,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four-story steel frame building addition, pile foundation, masonry walls with brick facing, concrete floors, built-up roof, elevator, compressed air system, 400 HZ electric power, fire protection system, air conditioning, utilities; demolition of two buildings.

11. REQUIREMENT: 107,120 SF. ADEQUATE: 45,450 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a training building addition. (Current mission.)
REQUIREMENT: Adequate facilities for teaching courses in advanced electrical subjects, automatic boiler controls, air conditioning, and refrigeration to provide skilled operating and maintenance personnel for fleet ships. An instruction building is necessary to accommodate an expansion in the number of courses to be taught and to relieve congestion and overcrowding.
CURRENT SITUATION: Courses are being taught in inadequate facilities and in parts of three different buildings on loan from the Naval Base. Spaces are too small and crowded for effective instruction. Severe space constraints forces expendable and necessary materials to be stored in classrooms or laboratories, further reducing the space available for instruction. Some trainers are not connected for operation because of inadequate utilities. Students are trained in four different locations, requiring additional effort to coordinate instruction. Courses include electric motor rewind, solid state devices, propulsion alarms, boiler

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

FLEET TRAINING CENTER, NORFOLK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRICAL TRADES TRAINING BUILDING ADDITION	P-179

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
feedwater treatment, and fundamentals of hydraulics. Courses range from one to eight weeks. There are 200 students on-board at one time, with 4,000 graduated annually.
IMPACT IF NOT PROVIDED: Students will be trained on non-functional trainers and simulators in an unsatisfactory environment, with no chance of learning new concepts as modernization of equipment takes place. Personnel will report to fleet billets at less than optimum proficiency, requiring longer-on-the-job training to reach journeyman performance levels.

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..... 6-84
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 11-84
- (d) Date Design Complete..... 8-99

(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..... (100)
- (c) Total..... 400
- (d) Contract..... (360)
- (e) In-house..... (40)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	12,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY.	LS	-	-	6,800
SHIP MOCK-UP STRUCTURES.	SF	20,180	196.00	(3,950)
FLIGHT DECK MOCK-UP STRUCTURE.	SF	14,780	160.00	(2,370)
STORAGE BUILDING	SF	2,500	44.00	(110)
CONTROL AND UTILITIES BUILDING	SF	2,500	108.00	(270)
TECHNICAL OPERATING MANUALS.	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	4,030
UTILITIES.	LS	-	-	(2,830)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(600)
DEMOLITION	LS	-	-	(600)
SUBTOTAL	-	-	-	10,830
CONTINGENCY (5%)	-	-	-	540
TOTAL CONTRACT COST.	-	-	-	11,370
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	630
TOTAL REQUEST.	-	-	-	12,000
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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
FLEET TRAINING CENTER, NORFOLK, VIRGINIA	
4. PROJECT TITLE	5. PROJECT NUMBER
FIRE FIGHTING TRAINING FACILITY	P-180

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
large clouds of black smoke and great amounts of particulates into the atmosphere. They do not simulate all potential types of shipboard fires. Trainers are operated under an exemption from state air quality standards.
IMPACT IF NOT PROVIDED: Adverse impact on ship's survivability because personnel will not be adequately trained in these valuable skills.

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..... 10-85
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 4-89
- (d) Date Design Complete..... 1-90

(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..... (700)
- (b) All Other Design Costs..... (250)
- (c) Total..... 950
- (d) Contract..... (850)
- (e) In-house..... (100)

(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)
Fire Fighting Trainers	OPN-BA 7	1992	16,180

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

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
NAVAL COMMUNICATION MASTER AREA STATION LANT, NORFOLK, VIRGINIA	NAVAL TELECOMMUNI-CATIONS COMMAND	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	27	470	301	0	0	0	0	0	0	798
b. END FY 1994	24	473	301	0	0	0	0	0	0	798

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,471)	
b. INVENTORY TOTAL AS OF 30 SEP 88		44,300
c. AUTHORIZATION NOT YET IN INVENTORY		8,400
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,370
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,100
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		4,500
h. GRAND TOTAL		66,670

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.15	COMMUNICATION CTR ADDN	45,000 SF	5,370	11/88	01/90
	TOTAL		5,370		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

132.10	VLF ANTENNA	LS	2,100
812.30	ELECTR DISTR SYS IMPVS	LS	2,000
	TOTAL		4,100

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
As an activity of the Naval telecommunications system, to manage, operate, and maintain those facilities, systems, equipment and devices necessary to provide requisite communications for the command, operational control, and administration of the Naval establishment; to manage, operate, and maintain those facilities and equipment of the Defense telecommunications system and the Coast Guard as assigned; and to perform such other functions as may be directed by 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATIONS AREA MASTER STATION ATLANTIC, NORFOLK, VIRGINIA	COMMUNICATION CENTER ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303196N	131.15	P-141	5,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATION CENTER ADDITION.	SF	45,000	-	3,490
BUILDING ADDITION.	SF	45,000	68.00	(3,040)
BUILT-IN EQUIPMENT	LS	-	-	(450)
SUPPORTING FACILITIES.	-	-	-	1,360
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(500)
UTILITIES.	LS	-	-	(400)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(460)
SUBTOTAL	-	-	-	4,850
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST.	-	-	-	5,090
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	280
TOTAL REQUEST.	-	-	-	5,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building addition, pile foundation, concrete floors, masonry walls, built-up roof, electronic equipment spaces, computer flooring, fire protection system, air conditioning, utilities; demolition of three buildings.

11. REQUIREMENT: 93,640 SF. ADEQUATE: 48,640 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs building addition to the communication center to house electronic equipment, administrative areas, and general warehouse space. (Current mission.)
REQUIREMENT: Adequate and properly-configured requisite space to house basic management, operational, and support functions essential for performing the overall communications mission of the command. The station is the primary hub for communications circuitry passing into and out of the geographic region supporting over 800 commands and activities and all forces afloat in the Atlantic Area. New program installation requirements exceed the floor space availability to house the equipment and technical support functions.
CURRENT SITUATION: Communication equipment spaces are centrally located in one building. The addition of a new Navy and Defense Communications System has filled existing spaces, leaving further installations subject to TEMPEST, safety and operational risks. Outside of the equipment spaces, management, operational, and support functions are presently dispersed

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATIONS AREA MASTER STATION ATLANTIC, NORFOLK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
COMMUNICATION CENTER ADDITION	P-141

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
among five separate buildings precluding close coordination, efficiency of effort, and optimum control. Only minimal space for these functions is available in close proximity to the equipment spaces, with the majority of functions housed in three metal buildings and in alternate-host provided spaces, all of which are inadequate and congested.
IMPACT IF NOT PROVIDED: Activity inability to support the major joint, fleet commander, and subordinate operational and type commanders sponsoring command and control, intelligence, targeting and tactical communications subsystems.

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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: 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 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 09/30/88	3864	50777	1460	18	175	0	340	1955	0	58589
b. END FY 1994	3513	52631	1460	18	175	0	375	1955	0	60127

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(181)	
b. INVENTORY TOTAL AS OF 30 SEP 88		180,110
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,140
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,580
g. REMAINING DEFICIENCY		35,900
h. GRAND TOTAL		232,730

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	9,000	11/88	01/90
	TOTAL		9,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
148.25	TRUCK CHECK FACILITY	LS	1,000
730.15	BRIG RENOVATIONS	62,440 SF	3,800
880.10	FIRE ALARM SYS IMPROV	LS	340
	TOTAL		5,140
B. MAJOR PLANNED NEXT THREE YEARS:			
151.80	DRDGE DEPERM MINE SWP ASSM	LS	2,040
610.10	PASS OFFICE	LS	540

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, Norfolk and Little Creek. Supporting the following activities:

Amphibious Group	Naval Air Station
Cruiser-Destroyer Group	Naval Aviation Depot
Attack Submarine Squadrons	Nuclear Weapons Training Center
Fleet Training Center	Navy Public Works Center
Shore Intermediate Maint. Act.	Naval Supply Center
Service Group	

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 STATION, NORFOLK, VIRGINIA	ELECTRIC POWER UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	812.12	P-834	9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRIC POWER UPGRADE	LS	-	-	8,120
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST.	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	470
TOTAL REQUEST.	-	-	-	9,000
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, 2000 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
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 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 newer 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 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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (160)
- (c) Total..... 660
- (d) Contract..... (600)
- (e) In-house..... (60)

(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 SUPPLY CENTER, NORFOLK, VIRGINIA	NAVAL SUPPLY SYSTEMS COMMAND	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	30	28	3259	0	0	26	0	0	539	3882
b. END FY 1994	30	28	3259	0	0	26	0	0	539	3882

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,005)	
b. INVENTORY TOTAL AS OF 30 SEP 88		83,770
c. AUTHORIZATION NOT YET IN INVENTORY		19,360
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		6,400
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,000
f. PLANNED IN NEXT THREE PROGRAM YEARS		6,700
g. REMAINING DEFICIENCY		1,100
h. GRAND TOTAL		118,330

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.10	GENERAL WAREHOUSE	131,250 SF	6,400	11/88	01/90
	TOTAL		6,400		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
151.60	FENDERING REPLACEMENT	LS	1,000
	TOTAL		1,000
B. MAJOR PLANNED NEXT THREE YEARS:			
131.35	CONSOL RECEIVING FAC	LS	5,400
441.35	LUMBER & PALLET STORAGE	36,700 SF	1,300

10. MISSION OR MAJOR FUNCTIONS:

Supply services for activities in the geographic area, overseas activities in the Atlantic and Mediterranean areas, and active fleet and reserve units including the Military Sealift Command and Coast Guard. Supply support for inert nuclear materials and services are provided Eastern Continental Navy and Marine Corps units and the Atlantic Fleet. Other services include operating Department of Defense common-user ocean terminal and the Norfolk Air Terminal of the supply center, and serving as defense fuel support point for the Defense Logistics Agency bulk petroleum products, and as point for Navy Prepositioned War Reserve Material Stock.

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 SUPPLY CENTER, NORFOLK, VIRGINIA	GENERAL WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0702896N	441.10	P-444	6,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
GENERAL WAREHOUSE	SF	131,250	33.00	4,370
SUPPORTING FACILITIES	-	-	-	1,410
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(390)
UTILITIES	LS	-	-	(350)
PAVING AND SITE IMPROVEMENT	LS	-	-	(440)
DEMOLITION AND ASBESTOS REMOVAL	LS	-	-	(230)
SUBTOTAL	-	-	-	5,780
CONTINGENCY (5%)	-	-	-	290
TOTAL CONTRACT COST	-	-	-	6,070
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	330
TOTAL REQUEST	-	-	-	6,400
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame metal building with stacking height of 20-feet, pile foundation, concrete floor, fire protection system, ventilation, air conditioning, utilities; demolition of one building, including asbestos removal.

11. REQUIREMENT: 2,593,750 SF. ADEQUATE: 2,462,500 SF. SUBSTANDARD: 0 SF.
PROJECT: Constructs warehouse for efficient receipt, issue, and storage of large quantities of bulk materials in support of the fleet. (Current mission.)
REQUIREMENT: Adequate storage space is vitally needed for bulk materials issued on a daily basis to Atlantic Fleet ships and shore commands in the Tidewater area. The readiness of ships for deployment is directly dependent on the capability for rapid and complete reprovisioning.
CURRENT SITUATION: Well over half of the warehouse facilities at this center are classified as inadequate, with most of the structures being of World War I or II vintage. The building to be replaced was constructed in 1917 and is well beyond economical repair. Supply operations in the building are hampered by flooding during periods of heavy rainfall. The building falls far short of current storage technology because of limited stacking height, deteriorated condition, and inefficiencies inherent in ground-level construction. Rainwater infiltrates through the roof and siding promoting the growth of bacteria and mold on the interior and contents of the building.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL SUPPLY CENTER, NORFOLK, VIRGINIA	
4. PROJECT TITLE	5. PROJECT NUMBER
GENERAL WAREHOUSE	P-444

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Inefficient and unsatisfactory storage conditions will continue. Inability to maintain receipt and storage inventory accuracy because of outside and jam-storage conditions. Severe negative impact on responsive issue of materials to the fleet will continue.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (370)
- (c) Total..... 370
- (d) Contract..... (10)
- (e) In-house..... (360)

(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
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 09/30/88	14	0	2043	0	0	0	0	0	0	2057
b. END FY 1994	17	0	1945	0	0	0	0	0	0	1962

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(169)	
b. INVENTORY TOTAL AS OF 30 SEP 88		138,480
c. AUTHORIZATION NOT YET IN INVENTORY		15,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,130
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,900
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,460
g. REMAINING DEFICIENCY		98,980
h. GRAND TOTAL		264,550

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
125.10	FUEL LINE	LS	3,130	10/88	10/89
	TOTAL		3,130		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
812.30	ELECTRIC DISTR LINES	53,400 LF	3,000
822.22	STEAM DIST SYSTEMS IMPROV	119,500 LF	3,900
	TOTAL		6,900
B. MAJOR PLANNED NEXT THREE YEARS:			
831.42	ASBESTOS CONTROL	LS	1,460

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
0702096N	125.10	P-236	3,130

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL LINE SYSTEM	LS	-	-	2,290
FUEL LINE SYSTEM	LF	10,560	111.00	(1,170)
PUMP BUILDING	SF	780	38.00	(30)
STORAGE TANK	LS	-	-	(400)
HOBBY SHOP	LS	-	-	(690)
SUPPORTING FACILITIES	-	-	-	540
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
UTILITIES	LS	-	-	(250)
PAVING AND SITE IMPROVEMENT	LS	-	-	(90)
SUBTOTAL	-	-	-	2,830
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST	-	-	-	2,970
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	160
TOTAL REQUEST	-	-	-	3,130
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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
FUEL LINE	P-236

11. REQUIREMENT: (Continued)
ADDITIONAL: An economic analysis has been prepared and indicates a payback period of less than two years.

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..... 10-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 2-89
- (d) Date Design Complete..... 10-89

(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..... (150)
- (c) Total..... 350
- (d) Contract..... (300)
- (e) In-house..... (50)

(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 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 09/30/88	1209	8468	1650	198	190	0	118	495	0	12328
b. END FY 1994	1251	8627	1600	163	200	0	107	400	0	12348

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(15,345)	
b. INVENTORY TOTAL AS OF 30 SEP 88		186,410
c. AUTHORIZATION NOT YET IN INVENTORY		23,920
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		9,300
g. REMAINING DEFICIENCY		134,460
h. GRAND TOTAL		361,940

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	24,640 SF	3,150	11/88	01/90
	TOTAL		3,150		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
171.20	SQUADRON TRNG BLDG ADDN	47,500 SF	4,700
	TOTAL		4,700
B. MAJOR PLANNED NEXT THREE YEARS:			
214.30	REFUEL VEH SHOP	1,800 SF	400
171.35	F-14D TRAINER FACILITY	18,060 SF	700
171.35	F-14D WST #2 ADDN	LS	1,600
171.35	F-14D TRAMP TRAINER	LS	2,600

10. MISSION OR MAJOR FUNCTIONS:

This Atlantic Fleet master jet base provides operational support to 14 fighter squadrons (F-14) and seven medium attack squadrons (A-6) which deploy on Atlantic Fleet aircraft carriers 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	3,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS SYSTEM TRAINER BUILDING ADDITION . .	SF	24,640	-	2,470
BUILDING	SF	24,640	84.00	(2,080)
BUILT-IN EQUIPMENT	LS	-	-	(390)
SUPPORTING FACILITIES.	-	-	-	380
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(80)
UTILITIES.	LS	-	-	(240)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(60)
SUBTOTAL	-	-	-	2,850
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160
TOTAL REQUEST.	-	-	-	3,150
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(35,000)

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, intrusion detection system, elevators, communications system, air conditioning, utilities.

11. REQUIREMENT: 24,640 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides an applied instruction building addition to house two weapons systems trainers used to train pilots and flight officers. This project supports the introduction of the F-14D aircraft. (New mission.)
REQUIREMENT: A building addition to house weapons systems trainers scheduled for delivery beginning in 1992. The first F-14D is scheduled for arrival in late 1991. 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 missile. The F-14's long-range radar and the Pheonix 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
major upgrade to the aircraft with digital electronics, and data processing, improved radar, and more powerful engines. Transition of the squadrons' aircraft to F-14D will take place through the mid-1990's. Weapons systems training for flight crews for both models will be required throughout the transition meaning a dual capability is required. Training facilities 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 weapons system trainers scheduled for delivery to Oceana beginning 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 weapons systems 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 trainers.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (120)
- (c) Total..... 300
- (d) Contract..... (250)
- (e) In-house..... (50)

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

12. SUPPLEMENTAL DATA: (Continued)

(4) Construction start..... 2-91
(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-14D Weapons System Trainers	APN	1991	35,000

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

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
SHORE INTERMEDIATE MAINTENANCE ACTIVITY, PORTSMOUTH, 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 09/30/88	6	319	6	0	0	0	0	0	0	331
b. END FY 1994	6	294	6	0	0	0	0	0	0	306

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — TENANT OF NSY

b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. **GRAND TOTAL**	12,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.30	SHORE INT MAINT FACILITY	120,000 SF	12,100	01/88	06/90
	TOTAL		12,100		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provides intermediate maintenance of the hull, mechanical, and electrical systems, aircraft launch and recovery equipment and support equipment from all aircraft carriers based at Norfolk, as well as other ships with air departments during selected restricted availability or restricted overhaul. Also provides ashore duty billets for aviation ratings The provided services include intermediate ship maintenance and repair, technical training and assistance to ships as requested.

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

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

DD FORM 1390
1DEC76

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHORE INTERMEDIATE MAINTENANCE ACTIVITY, PORTSMOUTH, VIRGINIA	SHORE INTERMEDIATE MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204457N	213.30	P-320	12,094

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SHORE INTERMEDIATE MAINTENANCE FACILITY. . .	SF	120,000	-	9,610
BUILDING	SF	120,000	74.00	(8,810)
BUILT-IN EQUIPMENT	LS	-	-	(720)
TECHNICAL OPERATING MANUALS.	LS	-	-	(80)
SUPPORTING FACILITIES.	-	-	-	1,300
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(600)
ELECTRICAL UTIITIES.	LS	-	-	(200)
MECHANICAL UTILITIES	LS	-	-	(100)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(300)
DEMOLITION	LS	-	-	(100)
SUBTOTAL	-	-	-	10,910
CONTINGENCY (5%)	-	-	-	550
TOTAL CONTRACT COST.	-	-	-	11,460
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	634
TOTAL REQUEST.	-	-	-	12,094
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(11,400)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story steel frame building, pile foundation, reinforced concrete flooring, tilt-up reinforced concrete walls, insulated composition roof, fire protection system, air conditioning, bridge cranes and monorail, exhaust and ventilation systems, balancing machine, dynamometer, elevators, compressed air system, waste separation and holding facility, computer flooring, shielding, utilities; demolition of eight buildings.

11. REQUIREMENT: 178,270 SF. ADEQUATE: 58,270 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a facility for intermediate maintenance support of Atlantic Fleet aircraft carriers and ground support equipment (GSE) for amphibious assault ships with aviation departments. This facility will include administrative offices, classrooms, and training spaces. (Current mission.)
REQUIREMENT: Adequate, consolidated, and properly-configured facilities for the repair and air departments' operations so that intermediate maintenance of aircraft carriers and ground support equipment can be better accomplished. Six of the Atlantic Fleet's eight conventional and nuclear-powered aircraft carriers are homeported in Norfolk (with one normally undergoing complete overhaul at a shipyard). This SIMA also provides support to 12 homeported ships with air departments such as LHA amphibious assault ships. This SIMA is manned by 540 active duty and temporarily assigned personnel. No growth in this level is projected despite the addition of the new carrier U.S.S. Theodore Roosevelt to the

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
SHORE INTERMEDIATE MAI IANCE ACTIVITY, PORTSMOUTH, VIRGINIA	
4. PROJECT TITLE	5. PROJECT NUMBER
SHORE INTERMEDIATE MAINTENANCE FACILITY	P-320

11. REQUIREMENT: (Continued)
workload. Intermediate maintenance is that level which cannot be performed by ship workforces but does not require scheduling lengthy and expensive overhauls at the public shipyards. While there are some limited repair capabilities on the ships, especially large ones like the aircraft carriers, do not have the shops and technical skills necessary to keep all shipboard systems running. SIMA personnel augment ship repair capabilities. SIMA's provide shore billets for personnel in many ratings found normally only on ships. This keeps the personnel proficient in their mechanical and other skills while serving shore-duty. SIMA's provide valuable training to these mechanics while assigned and also provide a chance to update skills and learn new shipboard systems. A SIMA consists of many industrial shops and engineering spaces which perform maintenance on most of the heavy industrial shipboard systems. The capabilities include pipe manufacture and repair; boiler and propulsion system maintenance; electronics and radar repair; steel and plate work; parts milling and manufacture; wood working for small craft maintenance; and pump, valve and hydraulic system maintenance. In addition to these capabilities, which are generic to most SIMA's, the Portsmouth facilities will have maintenance and repair capabilities for those shipboard systems unique to aircraft carriers. These systems include steam catapults; aircraft arresting gear and crash barricades; jet blast deflectors mounted in the carrier deck; and ground support equipment (GSE) used for starting and servicing aircraft assigned to the air wing. The SIMA also provides GSE overhaul services to Atlantic Fleet air stations.
CURRENT SITUATION: Some existing shops are located in 27 structures which have improper climate control and inadequate utilities to support industrial processes and installed equipment. This includes inadequate power, lighting, compressed air, exhaust and ventilation. All but one of the buildings is wood-frame construction. All must use portable space heaters to augment the inadequate steam heating system. Many of the roofs leak. Some shop equipment cannot be used because of a lack of ventilation. The present configuration results in unsafe and inefficient maintenance work because of the advanced deterioration of the facilities and excessive material handling caused by separation of inter-dependent work centers. Eight of these buildings will be demolished and the others turned-over to the shipyard.
IMPACT IF NOT PROVIDED: Present shop functions will continue to be inefficient and unsafe. Improvements to the workplace will not be achieved. This includes fire safety, adequate heating and ventilation and better lighting. A new SIMA building is vital for intermediate level maintenance of assigned ships or fleet readiness will be seriously impaired.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

SHORE INTERMEDIATE MAINTENANCE ACTIVITY, PORTSMOUTH, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
SHORE INTERMEDIATE MAINTENANCE FACILITY	P-320

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..... 1-88
(b) Percent Complete as of January 1990..... 75
(c) Date Design 35% Complete..... 7-89
(d) Date Design Complete..... 6-90

(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..... (720)
(b) All Other Design Costs..... (200)
(c) Total..... 920
(d) Contract..... (820)
(e) In-house..... (100)

(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)
Industrial Plant Equipment	OPN	1989 - 1991	4,000
Miscellaneous Minor Equipment	O&MN	1991 - 1992	7,400
		TOTAL	11,400

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

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
MARINE CORPS COMBAT DEVEOPMENT 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 09/30/88	614	2941	1562	976	1446	0	302	886	415	9142
b. END FY 1994	934	3415	3011	1455	2722	9	217	766	684	13213

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(60,484)	
b. INVENTORY TOTAL AS OF 30 SEP 88		174,270
c. AUTHORIZATION NOT YET IN INVENTORY		21,620
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,600
f. PLANNED IN NEXT THREE PROGRAM YEARS		23,860
g. REMAINING DEFICIENCY		136,420
h. GRAND TOTAL		381,620

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179.45	MIL OPS IN URBANIZED TERRN	LS	3,850	11/88	01/90
610.20	COMBAT DEVELOPMENT CENTER	95,900 SF	16,000	12/88	06/90
	TOTAL		19,850		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

179.45	LIVE FIRE RANGE	LS	2,600
740.74	CHILD CARE CENTER	18,750 SF	3,000
	TOTAL		5,600

B. MAJOR PLANNED NEXT THREE YEARS:

171.10	ACADEMIC INSTR FAC-OCS	LS	3,500
219.10	NOISE ABATEMENT	LS	230
724.11	BOQ MOD-CP BARRETT	LS	3,000

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	16,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMBAT DEVELOPMENT CENTER.	SF	93,400	-	11,440
BUILDING	SF	93,400	97.00	(9,060)
BUILT-IN EQUIPMENT	LS	-	-	(2,380)
SUPPORTING FACILITIES.	-	-	-	3,000
ELECTRICAL UTILITIES	LS	-	-	(1,800)
MECHANICAL UTILITIES	LS	-	-	(500)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(700)
SUBTOTAL	-	-	-	14,440
CONTINGENCY (5%)	-	-	-	720
TOTAL CONTRACT COST.	-	-	-	15,160
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	840
TOTAL REQUEST.	-	-	-	16,000
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, uninterruptible power source, computer flooring, fire protection system, air conditioning, utilities.

11. REQUIREMENT: 93,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Constructs a centralized computer facility to support missions and goals. (Current mission.)

REQUIREMENT: Adequate facilities to accommodate Marine Corps-wide requirements relative to the development and promulgation of information pertaining to doctrine, training, force structure, and materials relating to deployment and employment. Housing of the war-gaming center, a contingency processing center, and the war-fighting center is also necessary.

CURRENT SITUATION: Space restrictions preclude utilization of existing facilities for all present and future missions. Utilizing many and various inadequate facilities would make effective central management of each organization impossible.

IMPACT IF NOT PROVIDED: Very difficult to fulfill mission obligations without a centralized facility. Improved capabilities and far reaching integration efforts will never be fully realized. Programmed personnel and equipment growth will be facility constrained.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITAR / CONSTRUCTION PROJECT DATA	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 status: (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	7-89
(d)	Date Design Complete	6-90

(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	(960)
(b)	All Other Design Costs	(320)
(c)	Total	1280
(d)	Contract	(1120)
(e)	In-house	(160)

(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 PROJECT DATA	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	3,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY OPERATIONS IN URBANIZED TERRAIN . .	LS	-	-	2,900
COMBAT VILLAGE	SF	37,540	74.00	(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 (5.5%). .	-	-	-	200
TOTAL REQUEST.	-	-	-	3,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Upgrade one building; construct six 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.

(Continued on DD 1391c)

S/N 0102 LF 001 3910

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)

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. 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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(230)
(b)	All Other Design Costs	(80)
(c)	Total	310
(d)	Contract	(270)
(e)	In-house	(40)

(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 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 9/30/88	0	0	6	0	0	0	0	0	6	12
b. END FY 19 94	0	0	14	0	0	0	0	0	10	24

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE — Tenant of MCCDC

b. INVENTORY TOTAL AS OF 30 SEP 1988	1,500
c. AUTHORIZATION NOT YET IN INVENTORY	0
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	4,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317.10	Midway Research Ctr Upgrade	5,810 SF	2,600	11/88	1/90
	TOTAL		2,600		

9. Future Projects:

a. Included in following program: 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	5,810	-	650
BUILDING	SF	5,810	81.00	(470)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES.	-	-	-	1,690
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(670)
UTILITIES.	LS	-	-	(410)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(610)
SUBTOTAL	-	-	-	2,340
CONTINGENCY (5%)	-	-	-	120
TOTAL CONTRACT COST.	-	-	-	2,460
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	140
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.

11. REQUIREMENT: 10,980 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(50)
(c)	Total	200
(d)	Contract	(170)
(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 SURFACE WARFARE CENTER, WALLOPS ISLAND, VIRGINIA	SPACE AND NAVAL WARFARE SYSTEMS COMMAND	.92

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	13	54	13	10	20	0	0	0	0	110
b. END FY 1994	24	156	45	11	50	0	11	24	71	392

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,321)	
b. INVENTORY TOTAL AS OF 30 SEP 88		77,410
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,460
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		7,450
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		91,820

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	5,460	04/89	06/90
	TOTAL		5,460		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
845.20	UTILITIES IMPROVEMENTS	LS	1,500
	TOTAL		1,500
B. MAJOR PLANNED NEXT THREE YEARS:			
721.11	BACHELOR ENLISTED QUARTERS	LS	3,750
724.11	BACHELOR OFFICER QUARTERS	LS	3,700

10. MISSION OR MAJOR FUNCTIONS:

The Combat System Laboratory (CSL) detachment (Wallops Island) of the Naval Surface Warfare Center (NSWC) is located at the National Aeronautics and Space Administration's (NASA) Goddard Space Flight Center/ Wallops Flight Facility (WFF) utilizing three sites (the Main Base, the Mainland and Wallops Island) along the eastern shore of the Delmarva Peninsula in Accomack County, Virginia. This NSWC detachment provides research, development and engineering systems services for Navy surface ships combat systems, aircraft systems, electronics systems and communications systems in support of AEGIS and Battle 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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SURFACE WARFARE CENTER, WALLOPS ISLAND, VIRGINIA	AEGIS COMMAND AND LIFE SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0605896N	171.20	P-327	5,460

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	(3,680)
BUILT-IN EQUIPMENT	LS	-	-	(60)
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 (5.5%). .	-	-	-	280
TOTAL REQUEST.	-	-	-	5,460
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, intrusion detection system, 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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL SURFACE WARFARE CENTER, WALLOPS ISLAND, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
AEGIS COMMAND AND LIFE SUPPORT FACILITY	P-327

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

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 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 Syste test site. NASA will evict Navy from current training spaces to conve it for its own use at the WFF. Navy may have to abandon the ACSS and mpletely rebuild in another location, thereby losing an optimum loca on, at considerable expense to the government for facilities already constructed on Wallops Island.

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	50
(c)	Date Design 35% Complete	10-89
(d)	Date Design Complete	6-90

(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	(320)
(b)	All Other Design Costs	(110)
(c)	Total	430
(d)	Contract	(380)
(e)	In-house	(50)

(4) Construction start: 1-91 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT: NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION: TRIDENT REFIT FACILITY, BANGOR, WASHINGTON

4. COMMAND: COMMANDER IN CHIEF, PACIFIC FLEET

5. AREA CONSTR. COST INDEX: 1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	54	674	374	0	0	0	0	0	0	1102
b. END FY 1994	52	798	374	0	0	0	0	0	0	1224

7. INVENTORY DATA ($000)

	TENANT OF NSB
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	169,360
c. AUTHORIZATION NOT YET IN INVENTORY	3,640
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,010
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,100
f. PLANNED IN NEXT THREE PROGRAM YEARS	48,260
g. REMAINING DEFICIENCY	26,040
h. GRAND TOTAL	252,410

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
441.30	HAZARD/FLAMM STOREHOUSE	11,500 SF	2,100	11/88	01/90
860.40	CRANE TRACKAGE EXTENSION	LS	910	10/88	09/89
	TOTAL		3,010		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

610.20	DATA PROCESSING CTR ADDN	10,000 SF	2,100
	TOTAL		2,100

B. MAJOR PLANNED NEXT THREE YEARS:

213.30	HULL CLEANING/COATING FAC	28,500 SF	6,700
441.10	SUPPLY WAREHOUSE	136,610 SF	14,000
159.64	WATERFRONT SHOP	LS	12,030
213.30	INDUSTRIAL SHOP	LS	14,230

10. MISSION OR MAJOR FUNCTIONS:
Provide complete repair and refit service for the Pacific Fleet TRIDENT submarines, including all required services for ships alongside at the base

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
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	2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HAZARDOUS AND FLAMMABLE STOREHOUSE	SF	11,500	118.00	1,360
SUPPORTING FACILITIES	-	-	-	540
UTILITIES	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT	LS	-	-	(380)
SUBTOTAL	-	-	-	1,900
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,990
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	110
TOTAL REQUEST	-	-	-	2,100
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, 15-foot high stacking height, utilities, security fencing.

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 for 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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

TRIDENT REFIT FACILITY, BANGOR, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
HAZARDOUS AND FLAMMABLE STOREHOUSE	P-050

11. REQUIREMENT: (Continued)
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.

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..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (130)
- (c) Total..... 240
- (d) Contract..... (220)
- (e) In-house..... (20)

(4) Construction start..... 4-91 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

S/N 0102-LF-001-3915

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 09/30/88	47	428	39	25	433	0	0	0	0	972
b. END FY 1994	51	436	43	25	433	0	0	0	0	988

7. INVENTORY DATA ($000)

	TENANT OF NSB
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	41,380
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	44,980

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	14,320 SF	3,600	11/88	01/90
	TOTAL		3,600		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide facilities and training courses peculiar to submarines for personnel assigned to the Navy submarine base Bangor Washington; furnish specific operationally-oriented support to submarines to ensure ma 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	3,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE FIGHTING TRAINING FACILITY.	SF	14,320	-	2,090
TRAINING BUILDING.	SF	5,770	165.00	(950)
SUPPORT BUILDING	SF	8,550	129.00	(1,100)
BUILT-IN EQUIPMENT	LS	-	-	(40)
SUPPORTING FACILITIES.	-	-	-	1,160
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(310)
UTILITIES.	LS	-	-	(750)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(100)
SUBTOTAL	-	-	-	3,250
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST.	-	-	-	3,410
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	190
TOTAL REQUEST.	-	-	-	3,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Steel-frame and reinforced concrete buildings, pile foundations, concrete floors, masonry walls, intrusion detection systems, fire protection system, utilities, air conditioning, wastewater treatment tanks and pumps, proprane 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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: 12-90 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

S/N 0102-LF-001 3915

1. COMPONENT: NAVY

FY 1991 MILITARY CONSTRUCTION PROGRAM

2. DATE

3. INSTALLATION AND LOCATION: PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON

4. COMMAND: NAVAL SEA SYSTEMS COMMAND

5. AREA CONSTR. COST INDEX: 1 14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	153	1415	11850	0	0	0	250	6000	0	19668
b. END FY 1994	153	1415	11850	0	0	0	250	6000	0	19668

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,393)	
b. INVENTORY TOTAL AS OF 30 SEP 88		309,030
c. AUTHORIZATION NOT YET IN INVENTORY		30,450
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		2,700
f. PLANNED IN NEXT THREE PROGRAM YEARS		1,000
g. REMAINING DEFICIENCY		91,390
h. GRAND TOTAL		436,270

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	1,700	11/88	09/89
	TOTAL		1,700		

9 FUTURE PROJECTS:

A INCLUDED IN FOLLOWING PROGRAM

163 10	INACTIVE SUB MOVING FAC	LS	2,700	
	TOTAL		2,700	

B MAJOR PLANNED NEXT THREE YEARS

213.10	DRYDOCK SUPERFLOOD	LS	1,000	

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.

11 OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES ($000)

A	POLLUTION ABATEMENT	930
B	INSTALLATION RESTORATION	0
C	OCCUPATIONAL SAFETY AND HEALTH (OSH)	0

DD FORM 1390
1DEC76

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	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	1,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DRY DOCK UTILITIES UPGRADE	LS	-	-	1,530
SUBSTATION	LS	-	-	(470)
SWITCHING STATION	LS	-	-	(550)
SERVICE TUNNEL	LS	-	-	(420)
MECHANICAL UTILITIES	LS	-	-	(90)
SUBTOTAL	-	-	-	1,530
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,610
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Addition of new transformer and rectifier; pure water service; building utility service tunnels; industrial electrical circuits upgrade; repair saltwater lines.

11. REQUIREMENT: As Required.

PROJECT: Installs high voltage cable, substation with switchgear, walk-through service tunnels, pure water system, and repairs salt water system. (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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
CURRENT SITUATION: (Continued)
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.
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 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..... 100
- (c) Date Design 35% Complete..... 3-89
- (d) Date Design Complete..... 9-89

(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..... (20)
- (c) Total..... 110
- (d) Contract..... (100)
- (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	1.14

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	0	0	0	0	0	0	0	0	0	0
b. END FY 1994	407	7117	620	0	0	0	0	0	0	8144

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(272)	
b. INVENTORY TOTAL AS OF 30 SEP 88		20,750
c. AUTHORIZATION NOT YET IN INVENTORY		170,520
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		22,150
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		14,280
f. PLANNED IN NEXT THREE PROGRAM YEARS		48,000
g. REMAINING DEFICIENCY		67,200
h. GRAND TOTAL		342,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.15	COMMUNICATIONS FACILITY	6,150 SF	1,650	06/85	09/88
730.10	SECURITY & FIRE STATION	6,930 SF	1,750	06/85	09/88
812.30	CARRIER PIER SUPPORT	LS	11,960	07/85	09/86
932.20	UTILITIES AND SITE IMPROVS	LS	6,790	07/85	11/88
	TOTAL		22,150		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
812.30	CVBG SUPPORT COMPLEX	LS	14,280
	TOTAL		14,280
B. MAJOR PLANNED NEXT THREE YEARS:			
171.10	CVBG SUPPORT COMPLEX	16,000 SF	48,000

10. MISSION OR MAJOR FUNCTIONS:

Provide homeport facilities and logistic support for warships and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel, 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION, EVERETT, WASHINGTON	CARRIER PIER SUPPORT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204796N	812.30	P-089	11,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CARRIER PIER SUPPORT	LS	-	-	10,800
TRANSIT SHED AND STORAGE	LS	-	-	(3,570)
PORT SERVICES/PUBLIC WORKS/GROUND SUPPORT.	LS	-	-	(5,230)
SUBTOTAL	-	-	-	10,800
CONTINGENCY (5%)	-	-	-	540
TOTAL CONTRACT COST.	-	-	-	11,340
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	620
TOTAL REQUEST.	-	-	-	11,960
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Four one-story steel frame and masonry buildings, concrete floors, built-up roofs, pile 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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL STATION, EVERETT, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
CARRIER PIER SUPPORT	P-089

11. REQUIREMENT: (Continued)
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 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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
- (a) Date Design Started..... 7-85
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 11-85
- (d) Date Design Complete..... 9-86

(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..... (785)
- (b) All Other Design Costs..... (395)
- (c) Total..... 1180
- (d) Contract..... (1090)
- (e) In-house..... (90)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	1,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATION FACILITY	SF	6,150	-	1,260
COMMUNICATION CENTER	SF	4,050	189.00	(770)
TELEPHONE EXCHANGE	SF	2,100	134.00	(280)
BUILT-IN EQUIPMENT	LS	-	-	(210)
SUPPORTING FACILITIES.	-	-	-	230
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(40)
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(190)
SUBTOTAL	-	-	-	1,490
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,560
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	90
TOTAL REQUEST.	-	-	-	1,650
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, pile foundation, access flooring, fire protection and security systems, emergency electric power, utilities, paving, air conditioning.

11. REQUIREMENT: 6,150 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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
(a) Date Design Started..... 6-85

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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)

(b) Percent Complete as of January 1990..... 100
(c) Date Design 35% Complete..... 1-87
(d) Date Design Complete..... 9-88

(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.....(85)
(b) All Other Design Costs.....(80)
(c) Total..... 165
(d) Contract.....(130)
(e) In-house.....(35)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	1,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY AND FIRE STATION	SF	6,930	-	1,290
FIRE STATION	SF	4,720	141.00	(670)
POLICE STATION	SF	2,060	155.00	(320)
SENTRY SHELTERS	SF	150	67.00	(10)
BUILT-IN EQUIPMENT	LS	-	-	(290)
SUPPORTING FACILITIES	-	-	-	290
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(70)
UTILITIES AND SITE IMPROVEMENT	LS	-	-	(220)
SUBTOTAL	-	-	-	1,580
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,660
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building on pile foundation, high-bay area in fire station, security tower on the mole, two sentry shelters, utilities, security system, fire protection system, special ventilation, emergency electric power.

11. REQUIREMENT: 6,930 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a fire station, police station, security observation tower, and two sentry shelters. (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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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	6-85
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	1-87
(d)	Date Design Complete	9-88

(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	(95)
(b)	All Other Design Costs	(90)
(c)	Total	185
(d)	Contract	(150)
(e)	In-house	(35)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	6,790

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENTS.	LS	-	-	6,130
UTILITIES.	LS	-	-	(3,660)
SITE IMPROVEMENTS.	LS	-	-	(2,470)
SUBTOTAL	-	-	-	6,130
CONTINGENCY (5%)	-	-	-	310
TOTAL CONTRACT COST.	-	-	-	6,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	350
TOTAL REQUEST.	-	-	-	6,790
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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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	7-85
(b) Percent Complete as of January 1990	100
(c) Date Design 35% Complete	4-88
(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	(130)
(b) All Other Design Costs	(125)
(c) Total	255
(d) Contract	(235)
(e) In-house	(20)

(4) Construction start: 1-91 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

S/N 0102-LF-001-3915

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 09/30/88	20	302	3270	0	0	0	0	0	0	3592
b. END FY 1994	20	287	3240	0	0	0	0	0	0	3547

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(4,939)	
b. INVENTORY TOTAL AS OF 30 SEP 88		80,590
c. AUTHORIZATION NOT YET IN INVENTORY		10,930
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		18,500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,050
f. PLANNED IN NEXT THREE PROGRAM YEARS		15,100
g. REMAINING DEFICIENCY		43,050
h. GRAND TOTAL		174,220

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
213.51	SUB WPNS SYSTEM SHOP	74,400 SF	10,100	11/88	01/90
216.77	AUTOMATED MATRLS HDLG FAC	28,490 SF	7,300	06/86	06/88
730.10	FIRE STATION	7,690 SF	1,100	08/86	04/87
	TOTAL		18,500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

136.65	HELICOPTER PAD	LS	400
151.10	PIER IMPROVEMENTS	LS	2,500
316.10	HIGH ENERGY TEST FACILITY	LS	3,150
	TOTAL		6,050

B. MAJOR PLANNED NEXT THREE YEARS:

151.10	DOCK EXPANSION	LS	6,100
151.20	PIER REPLACEMENT	13,670 SF	4,600

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	7,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AUTOMATED MATERIALS HANDLING FACILITY. . . .	SF	28,490	-	5,710
BUILDING	SF	28,490	60.00	(1,710)
BUILT-IN EQUIPMENT	LS	-	-	(4,000)
SUPPORTING FACILITIES.	-	-	-	880
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(660)
UTILITIES.	LS	-	-	(160)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(60)
SUBTOTAL	-	-	-	6,590
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST.	-	-	-	6,920
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	380
TOTAL REQUEST.	-	-	-	7,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,440)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story high-bay metal building, pile foundation, concrete floor, automated high-density rack storage system with 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 avaliable 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

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
CURRENT SITUATION: (Continued)
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.
INPACT 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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
- (a) Date Design Started..... 6-86
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 11-86
- (d) Date Design Complete..... 6-88

(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..... (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 System	WPN-3	1990	1,440

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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 (5.5%)	-	-	-	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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	8-86
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	11-86
(d)	Date Design Complete	4-87

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	10,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SUBMARINE WEAPONS SYSTEMS SHOP	SF	74,400	111.00	8,260
SUPPORTING FACILITIES	-	-	-	860
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(420)
UTILITIES	LS	-	-	(330)
PAVING AND SITE IMPROVEMENT	LS	-	-	(110)
SUBTOTAL	-	-	-	9,120
CONTINGENCY (5%)	-	-	-	450
TOTAL CONTRACT COST	-	-	-	9,570
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	530
TOTAL REQUEST	-	-	-	10,100
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; 400Hz electric power, high and low pressure air systems, temperature and humidity controlled areas, ventilation and water cooled areas, fire protection system, communications, utilities.

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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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: 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 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 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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(600)
(b)	All Other Design Costs	(400)
(c)	Total	1000
(d)	Contract	(960)
(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 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 09/30/88	53	112	41	0	0	0	0	0	0	206
b. END FY 1994	58	114	43	0	0	0	0	0	0	215

7. INVENTORY DATA ($000)

	TENANT OF NAS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,170
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	2,170

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	2,170	12/88	10/89
	TOTAL		2,170		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	2,170

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 (5.5%). .	-	-	-	110
TOTAL REQUEST.	-	-	-	2,170
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; 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 a 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

(Continued on DD 1391c)

S/N 0102 LF-001-3910

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

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, OAK HARBOR, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
AVIATION PHYSIOLOGY TRAINING FACILITY	P-007

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
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.

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..... 12-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 10-89

(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 09/30/88	16	91	371	0	0	0	0	0	0	478
b. END FY 1994	18	98	358	0	0	0	0	0	0	474

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		118,800
c. AUTHORIZATION NOT YET IN INVENTORY		15,060
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		53,700
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		49,590
f. PLANNED IN NEXT THREE PROGRAM YEARS		89,790
g. REMAINING DEFICIENCY		3,300
h. GRAND TOTAL		330,240

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.60	TRANSFER FACILITY ADDITION	9,600 SF	3,500	06/87	09/88
171.20	TRAINING FACILITY ADDITION	37,000 SF	7,400	12/88	03/90
212.30	RADIOGRAPHIC INSPEC BLDG	28,720 SF	10,800	12/88	06/90
212.30	MOTOR INSPECTION BUILDING	15,130 SF	8,000	12/88	03/90
212.30	MISSILE ASSEMBLY BLDG	24,550 SF	7,300	06/87	09/88
421.62	MAGAZINE MODIFICATIONS	LS	1,600	04/89	04/90
610.10	ENGINEERING SERVICES BLDG	20,000 SF	3,500	09/88	09/89
932.20	U&SI	LS	6,600	09/88	04/90
	TOTAL		53,700		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
152.10	EWH MODIFICATION	LS	550
212.30	MISSILE ASSEMBLY BUILDING	LS	6,800
212.30	MISSILE ASSEMBLY BLG & CSA	LS	2,280
212.77	LAUNCHER SUPPORT BUILDING	LS	2,880
421.72	REENTRY BODY MAGS	LS	8,830
421.72	MSL MOTOR MAGS	LS	6,430
421.72	MISSILE MOTOR MAGS	LS	12,400
932.20	UTILITIES & SITE IMPVS	LS	9,420
	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 explosive 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
0101220N	610.10	P-806	3,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINEERING SERVICES BUILDING	SF	20,000	-	2,740
BUILDING	SF	20,000	123.00	(2,460)
BUILT-IN EQUIPMENT	LS	-	-	(280)
SUPPORTING FACILITIES	-	-	-	420
ELECTRICAL UTILITIES	LS	-	-	(150)
MECHANICAL UTILITIES	LS	-	-	(80)
PAVING AND SITE IMPROVEMENT	LS	-	-	(190)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	180
TOTAL REQUEST	-	-	-	3,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame building, masonry walls, concrete foundation and floor, built-up roof on insulated metal deck; raised flooring; fire protection and alarm systems; security system; communications; underground utilities duct system; utilities; storm drainage; air conditioning.

11. REQUIREMENT: 90,900 SF. ADEQUATE: 70,900 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.

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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:

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	9-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	2-89
(d)	Date Design Complete	9-89

(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	(185)
(b)	All Other Design Costs	(235)
(c)	Total	420
(d)	Contract	(380)
(e)	In-house	(40)

(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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON	MAGAZINE MODIFICATIONS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0101228N	421.62	P-943	1,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAGAZINE MODIFICATIONS	LS	-	-	1,090
SUPPORTING FACILITIES	-	-	-	360
UTILITIES, PAVING AND SITE IMPROVEMENTS	LS	-	-	(360)
SUBTOTAL	-	-	-	1,450
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST	-	-	-	1,520
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	80
TOTAL REQUEST	-	-	-	1,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Mechanical equipment room modifications; environmental control system upgrade; lighting system replacement; electrical system modifications; grounding grid modification; barrier wall addition with wing walls.

11. REQUIREMENT: As Required.

PROJECT: Provides modifications to three ordnance magazines for re-entry body storage. (New mission.)

REQUIREMENT: Adequate capacity of compartmentalized and environmentally controlled magazines to meet the requirements for storage of re-entry bodies in support of the TRIDENT II fleet deployment schedule.

CURRENT SITUATION: The existing magazines are being utilized for A3 ordnance storage.

IMPACT IF NOT PROVIDED: The 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.

(Continued on DD 1391c)

S/N 0102 LF-001-3910

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
MAGAZINE MODIFICATIONS	P-943

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..... 70
- (c) Date Design 35% Complete..... 9-89
- (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..... (85)
- (b) All Other Design Costs..... (110)
- (c) Total..... 195
- (d) Contract..... (175)
- (e) In-house..... (20)

(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 PROJECT DATA	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	21.30	P-937	7,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MISSILE ASSEMBLY BUILDING	SF	24,550	-	4,420
BUILDING	SF	24,550	162.00	(3,960)
BUILT-IN EQUIPMENT	LS	-	-	(460)
SUPPORTING FACILITIES	-	-	-	2,170
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(200)
ELECTRICAL UTILITIES	LS	-	-	(790)
MECHANICAL UTILITIES	LS	-	-	(420)
PAVING AND SITE IMPROVEMENT	LS	-	-	(760)
SUBTOTAL	-	-	-	6,590
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST	-	-	-	6,920
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	380
TOTAL REQUEST	-	-	-	7,300
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, built-up roof, loading dock; fire protection system; lightning protection; security system: electrical and mechanical utilities; storm drainage; cranes; air conditioning.

11. REQUIREMENT: 290,670 SF. ADEQUATE: 222,270 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 PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
- (a) Date Design Started..... 6-87
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 10-87
- (d) Date Design Complete..... 9-88

(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..... (395)
- (b) All Other Design Costs..... (280)
- (c) Total..... 675
- (d) Contract..... (655)
- (e) In-house..... (20)

(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)
Electrical, Mechanical and Technical Equipment	WPN	1989	6,880

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	8,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MOTOR INSPECTION BUILDING	SF	15,130	-	5,740
BUILDING	SF	15,130	342.00	(5,180)
BUILT-IN EQUIPMENT	LS	-	-	(560)
SUPPORTING FACILITIES	-	-	-	1,480
ELECTRICAL UTILITIES	LS	-	-	(290)
MECHANICAL UTILITIES	LS	-	-	(190)
LIGHTNING PROTECTION	LS	-	-	(130)
PAVING AND SITE IMPROVEMENT	LS	-	-	(870)
SUBTOTAL	-	-	-	7,220
CONTINGENCY (5%)	-	-	-	360
TOTAL CONTRACT COST	-	-	-	7,580
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	420
TOTAL REQUEST	-	-	-	8,000
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, built-up roof; underground utilities distribution; mechanical utilities; electrical substation and utilities; fire protection and security systems; lightning protection; cranes; air conditioning; berms; storm drainage.

11. REQUIREMENT: 290,670 SF. ADEQUATE: 222,270 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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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:

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	12-88
(b)	Percent Complete as of January 1990	80
(c)	Date Design 35% Complete	6-89
(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	(430)
(b)	All Other Design Costs	(300)
(c)	Total	730
(d)	Contract	(690)
(e)	In-house	(40)

(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)
Electrical, Mechanical and Technical Equipment	WPN	1989 - 1990	2,070

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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	13,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RADIOGRAPHIC INSPECTION BUILDING.	SF	28,720	-	11,250
BUILDING.	SF	28,720	334.00	(9,590)
BUILT-IN EQUIPMENT.	LS	-	-	(1,660)
SUPPORTING FACILITIES	-	-	-	1,210
ELECTRICAL UTILITIES.	LS	-	-	(450)
MECHANICAL UTILITIES.	LS	-	-	(180)
LIGHTNING PROTECTION.	LS	-	-	(220)
PAVING AND SITE IMPROVEMENT	LS	-	-	(360)
SUBTOTAL.	-	-	-	12,460
CONTINGENCY (5%).	-	-	-	620
TOTAL CONTRACT COST	-	-	-	13,080
SUPERVISION, INSPECTION & OVERHEAD (5.5%) .	-	-	-	720
TOTAL REQUEST	-	-	-	13,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(21,460)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story concrete and masonry building on reinforced concrete foundation with high-bay motor inspection cells, built-up roof and concrete floor with elevator/turntable pits and downender pits; underground utilities distribution; mechanical and electrical utilities; radiation shielding; fire protection system; lightning protection; communications; security system; earth berms; storm drainage; cranes; air conditioning.

11. REQUIREMENT: 290,670 SF. ADEQUATE: 222,270 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 19<u>91</u> MILITARY CONSTRUCTION PROJECT DATA	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 status: (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..... 70
- (c) Date Design 35% Complete..... 7-89
- (d) Date Design Complete..... 6-90

(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..... (700)
- (b) All Other Design Costs..... (360)
- (c) Total..... 1060
- (d) Contract..... (1000)
- (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

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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	7,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRAINING FACILITY ADDITION	SF	31,700	-	6,190
BUILDING ADDITION	SF	31,700	128.00	(4,060)
BUILDING MODIFICATIONS	LS	-	-	(750)
BUILT-IN EQUIPMENT	LS	-	-	(1,380)
SUPPORTING FACILITIES	-	-	-	490
ELECTRICAL UTILITIES	LS	-	-	(340)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT	LS	-	-	(80)
SUBTOTAL	-	-	-	6,680
CONTINGENCY (5%)	-	-	-	330
TOTAL CONTRACT COST	-	-	-	7,010
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	390
TOTAL REQUEST	-	-	-	7,400
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 and security systems, lightning protection; utilities modifications.

11. REQUIREMENT: 356,200 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 19<u>91</u> MILITARY CONSTRUCTION PROJECT DATA	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 status: (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..... 6-89
(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..... (400)
(b) All Other Design Costs..... (265)
(c) Total..... 665
(d) Contract..... (600)
(e) In-house..... (65)

(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)
Tactical and Training Equipment	OPN	1988 - 1994	237,410

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	3,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TRANSFER FACILITY	SF	9,600	-	2,320
BUILDING ADDITION	SF	9,600	222.00	(2,140)
BUILT-IN EQUIPMENT	LS	-	-	(180)
SUPPORTING FACILITIES	-	-	-	840
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(70)
ELECTRICAL UTILITIES	LS	-	-	(400)
MECHANICAL UTILITIES	LS	-	-	(70)
PAVING AND SITE IMPROVEMENT	LS	-	-	(300)
SUBTOTAL	-	-	-	3,160
CONTINGENCY (5%)	-	-	-	160
TOTAL CONTRACT COST	-	-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	180
TOTAL REQUEST	-	-	-	3,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Multi-story steel-frame building addition, concrete foundation and floors, engineered fill, masonry and metal panel walls, built-up roof; special foundation; lightning protection; fire protection and security systems; crane; air conditioning, utilities; storm drainage.

11. REQUIREMENT: 9,600 SF. Adequate: 0 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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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:

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	6-87
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	10-87
(d)	Date Design Complete	9-88

(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	(190)
(b)	All Other Design Costs	(130)
(c)	Total	320
(d)	Contract	(310)
(e)	In-house	(10)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	8,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UTILITIES AND SITE IMPROVEMENT.	LS	-	-	7,760
SUBTOTAL.	-	-	-	7,760
CONTINGENCY (5%).	-	-	-	390
TOTAL CONTRACT COST	-	-	-	8,150
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	450
TOTAL REQUEST	-	-	-	8,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Earth retention structures, earth berms, utility and communications duct system, paving, railroad modifications, utility distribution, lightning protection, site improvements, demolition, security fencing.

11. REQUIREMENT: As Required.

PROJECT: Constructs and upgrades utilities, roads, railroad facilities, communication systems, site improvements, and security fencing 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a)	Date Design Started	9-88
(b)	Percent Complete as of January 1990	80
(c)	Date Design 35% Complete	4-89
(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	(290)
(b)	All Other Design Costs	(300)
(c)	Total	590
(d)	Contract	(550)
(e)	In-house	(40)

(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 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 09/30/88	929	6944	790	185	171	0	0	0	0	9019
b. END FY 1994	961	7318	790	162	137	0	0	0	0	9368

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(70,998)	
b. INVENTORY TOTAL AS OF 30 SEP 88		204,410
c. AUTHORIZATION NOT YET IN INVENTORY		29,820
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		19,310
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		18,870
f. PLANNED IN NEXT THREE PROGRAM YEARS		5,600
g. REMAINING DEFICIENCY		49,490
h. GRAND TOTAL		327,500

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171.35	OPERATIONAL TRNR FAC ADDN	7,530 SF	1,410	10/88	09/89
171.35	OPR & MAINT TRNR FAC-ICR I	88,070 SF	17,900	12/88	06/90
	TOTAL		19,310		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

171.20	FLEET TRAINING FACILITY	8,330 SF	8,870
171.35	AIRCRAFT TRNG BLDG (PH II)	LS	5,000
211.05	HANGAR/IMA IMPROVEMENTS	LS	5,000
	TOTAL		18,870

B. MAJOR PLANNED NEXT THREE YEARS:

211.03	CORROSION CONTROL HANGAR	25,180 SF	5,600

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 Pacific Fleet medium attack jet aircraft and all electronic countermeasures aircraft.

Carrier Air Wing
Attack Squadrons
Electronic Countermeasures Squadrons
Replacement Training Squadrons
Naval Air Reserve 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON	OPERATIONAL TRAINER FACILITY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.35	P-074	1,410

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL TRAINER FACILITY ADDITION. . . .	SF	7,530	135.00	1,020
SUPPORTING FACILITIES.	-	-	-	260
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(70)
UTILITIES.	LS	-	-	(140)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(50)
SUBTOTAL	-	-	-	1,280
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,340
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,410
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(25,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story reinforced concrete and masonry building addition, pile foundation, concrete floor, built-up roof, computer flooring, fire protection system, utilities, air conditioning.

11. REQUIREMENT: 7,530 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides operational trainer facility addition. (New mission.)
REQUIREMENT: Adequate and properly-configured facility addition to accommodate and support an EA-6B ADVCAP Operational Flight and Navigation Trainer. This trainer will provide a realistic cockpit environment for necessary pilot training.
CURRENT SITUATION: There are no facilities available for housing this trainer.
IMPACT IF NOT PROVIDED: Essential pilot training will not be accomplished.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONAL TRAINER FACILITY ADDITION	P-074

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	10-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	3-89
(d)	Date Design Complete	9-89

(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	(55)
(b)	All Other Design Costs	(145)
(c)	Total	200
(d)	Contract	(175)
(e)	In-house	(25)

(4) Construction start: 11-90 (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)
Weapons System Trainer	APN	1990	25,000

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON	OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCREMENT I)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	171.35	P-889	17,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONAL & MAINTENANCE TRAINER FACILITY	SF	88,070	-	12,750
BUILDING	SF	88,070	105.00	(9,250)
BUILT-IN EQUIPMENT	LS	-	-	(3,500)
SUPPORTING FACILITIES.	-	-	-	3,410
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(2,000)
UTILITIES.	LS	-	-	(1,000)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(410)
SUBTOTAL	-	-	-	16,160
CONTINGENCY (5%)	-	-	-	810
TOTAL CONTRACT COST.	-	-	-	16,970
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	930
TOTAL REQUEST.	-	-	-	17,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

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 interferance shielding, acoustic attenuation, monorail hoist, bridge crane, security system, fire protection system, air conditioning, ventilation, utilities.

11. REQUIREMENT: 202,570 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCREMENT I)	P-889

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	12-88
(b)	Percent Complete as of January 1990	60
(c)	Date Design 35% Complete	7-89
(d)	Date Design Complete	6-90

(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: 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 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 09/30/88	17	210	11	0	0	0	0	0	0	238
b. END FY 1994	19	188	11	0	0	0	0	0	0	218

7. INVENTORY DATA ($000)

TENANT OF NAS

a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,550
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	900
h. GRAND TOTAL	2,450

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
813.20	ELECTRIC PWR IMPROVES	LS	1,550	10/88	09/89
	TOTAL		1,550		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
To conduct oceanographic observations 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

DD FORM 1390
1DEC78

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	813.20	[illegible] 030	1,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRIC POWER IMPROVEMENTS.	LS	-	-	1,340
ELECTRICAL SYSTEM UPGRADE.	LS	-	-	(1,110)
BUILDING ADDITION.	SF	1,610	143.00	(230)
SUPPORTING FACILITIES.	-	-	-	60
SPECIAL CONSTRUCTION FEATURES.	LS	-	-	(60)
SUBTOTAL	-	-	-	1,400
CONTINGENCY (5%)	-	-	-	70
TOTAL CONTRACT COST.	-	-	-	1,470
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	80
TOTAL REQUEST.	-	-	-	1,550
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, security and fire protection systems, 500 KVA electric power supply; 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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)

(1) Status:

(a)	Date Design Started	10-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	3-89
(d)	Date Design Complete	9-89

(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	(70)
(b)	All Other Design Costs	(45)
(c)	Total	115
(d)	Contract	(95)
(e)	In-house	(20)

(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 FACILITY ARGENTIA, NEWFOUNDLAND, CANADA	COMMANDER IN CHIEF, ATLANTIC FLEET	1.49

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	30	354	233	0	0	0	0	0	0	617
b. END FY 1994	28	389	233	0	0	0	0	0	0	651

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(9,067)	
b. INVENTORY TOTAL AS OF 30 SEP 88		78,010
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,350
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		6,350
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		3,650
h. GRAND TOTAL		89,360

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.48	TERMINAL EQUIP BLDG ADDN	5,150 SF	1,350	10/88	09/89
	TOTAL		1,350		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

740.53	FITNESS CENTER UPGRADE	16,700 SF	2,550
831.10	SEWERAGE SYSTEM	LS	2,900
841.09	POTABLE WATER TRMT FAC	LS	900
	TOTAL		6,350

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Conduct oceanographic observation in selected areas to provide the Navy more extensive information on oceanographic conditions in these areas. Periodically handles changing needs and supports advanced electronics.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	2,900
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 FACILITY ARGENTIA, NEWFOUNDLAND, CANADA	TERMINAL EQUIPMENT BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0205096N	131.45	P-123	1,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TERMINAL EQUIPMENT BUILDING ADDITION	SF	5,150	-	780
BUILDING ADDITION.	SF	5,150	126.00	(650)
BUILT-IN EQUIPMENT	LS	-	-	(130)
SUPPORTING FACILITIES.	-	-	-	440
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	(440)
SUBTOTAL	-	-	-	1,220
CONTINGENCY (5%)	-	-	-	60
TOTAL CONTRACT COST.	-	-	-	1,280
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	70
TOTAL REQUEST.	-	-	-	1,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(105,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel-frame building addition, reinforced concrete spread footing foundation, concrete floor, engineered fill, insulated elastomeric membrane roof on metal deck, insulated metal panel walls, grounding, computer flooring, fire protection system, intrusion detection system, air conditioning, utilities.

REQUIREMENT: 52,800 SF. ADEQUATE: 47,650 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides terminal equipment building addition to house additional equipment and functions. (Current mission.)
REQUIREMENT: Adequate additional space to accommodate mission critical equipment and functions. The mission of this activity is to collect oceanographic data. The need for additional technical equipment was identified in a recent Shore Construction and Hardware Installations Plan. This project will build an addition to the terminal equipment building to accommodate the technical equipment, reroute underground utilities, extend the patrol road and relocate perimeter lighting and a portion of the double perimeter security fence.
CURRENT SITUATION: The terminal equipment building houses the entire operational function of the facility. There is no space available to accommodate the additional equipment needed.
IMPACT IF NOT PROVIDED: Installation of new additional technical equipment cannot be accomplished.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL FACILITY ARGENTIA, NEWFOUNDLAND, CANADA

4. PROJECT TITLE	5. PROJECT NUMBER
TERMINAL EQUIPMENT BUILDING ADDITION	P-123

11. REQUIREMENT: (Continued)
ADDITIONAL: A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. NATO prefinancing is not applicable to this project because it is not in support of forces assigned to NATO.

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..... 10-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 3-89
- (d) Date Design Complete..... 9-89

(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..... (110)
- (e) In-house..... (40)

(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)
Terminal Equipment	OPN	1990 - 1993	105,000

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROGRAM	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR. COST INDEX
FLEET SURVEILLANCE SUPPORT COMMAND, GUAM	CHIEF OF NAVAL OPERATIONS	2.00

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88	37	174	30	0	0	0	2	3	1	247
b. END FY 19 94	45	238	30	10	50	0	2	3	51	429

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	Tenant of NS
b. INVENTORY TOTAL AS OF 30 SEP 1988	0
c. AUTHORIZATION NOT YET IN INVENTORY	20,970
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	30,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	50,970

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
134.70	Electronic Installation	LS	30,000	01/89	07/90
	TOTAL		30,000		

9. Future Projects:

a. Included in following program: 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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET SURVEILLANCE SUPPORT COMMAND, GUAM	ELECTRONIC INSTALLATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204577N	134.70	P-002	30,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ELECTRONIC INSTALLATION.	LS	-	-	22,010
TRANSMITTER SITE	LS	-	-	(1,500)
RECEIVER SITE.	LS	-	-	(14,200)
POWER PLANT AND SUPPORT FACILITIES	LS	-	-	(1,680)
OPERATIONAL CONTROL CENTER	LS	-	-	(800)
BUILT-IN EQUIPMENT	LS	-	-	(3,730)
TECHNICAL OPERATING MANUALS.	LS	-	-	(100)
SUPPORTING FACILITIES.	-	-	-	5,080
UTILITIES.	LS	-	-	(3,680)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(1,400)
SUBTOTAL	-	-	-	27,090
CONTINGENCY (5%)	-	-	-	1,350
TOTAL CONTRACT COST.	-	-	-	28,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	1,560
TOTAL REQUEST.	-	-	-	30,000
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 facility, power plant, roads, security fencing, utilities.

11. REQUIREMENT: As Required.
PROJECT: Provides site preparation and support facilities at receiver (Guam) and transmitter (Tinian) sites, approximately 100 miles apart, for ROTHR systems installations. (New mission.)
REQUIREMENT: Adequate facilities to accommodate and support air defenses in the Pacific area by 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.
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

FLEET SURVEILLANCE SUPPORT COMMAND, GUAM

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONIC INSTALLATION	P-002

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	1-89
(b)	Percent Complete as of January 1990	50
(c)	Date Design 35% Complete	11-89
(d)	Date Design Complete	7-90

(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	1750
(d)	Contract	(1600)
(e)	In-house	(150)

(4) Construction start: 3-91 (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	90,000

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 09/30/88	13	115	83	0	0	0	0	0	0	211
b. END FY 1994	11	112	83	0	0	0	0	0	0	206

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(8,838)	
b. INVENTORY TOTAL AS OF 30 SEP 88		37,020
c. AUTHORIZATION NOT YET IN INVENTORY		11,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		9,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,100
f. PLANNED IN NEXT THREE PROGRAM YEARS		2,500
g. REMAINING DEFICIENCY		35,720
h. GRAND TOTAL		97,040

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	9,000	11/88	01/90
	TOTAL		9,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
216.55	TOMAHAWK FACILITY	LS	1,100
	TOTAL		1,100
B. MAJOR PLANNED NEXT THREE YEARS:			
421.22	HIGH EXPLOSIVE MAGAZINE	17,960 SF	2,500

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 U.S. 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	20
B: INSTALLATION RESTORATION	250
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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	721,72	P-809	9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
TOMAHAWK SUPPORT COMPLEX	SF	17,000	-	3,750
MISSILE MAGAZINE	SF	9,000	310.00	(2,790)
LOADING DOCK	LS	-	-	(200)
INERT STOREHOUSE	SF	8,000	95.00	(760)
SUPPORTING FACILITIES	-	-	-	4,370
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(2,100)
UTILITIES	LS	-	-	(340)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,930)
SUBTOTAL	-	-	-	8,120
CONTINGENCY (5%)	-	-	-	410
TOTAL CONTRACT COST	-	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	470
TOTAL REQUEST	-	-	-	9,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One earth-covered reinforced concrete five-bay missile magazine, 16-foot wide doors, pile foundation, loading dock, lightning and grounding system, erosion control, access road, service area; one-story reinforced concrete inert storehouse, concrete foundation and floor; 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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	
NAVAL MAGAZINE, GUAM	
4. PROJECT TITLE	**5. PROJECT NUMBER**
TOMAHAWK SUPPORT COMPLEX	P-809

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	100
(c)	Date Design 35% Complete	5-89
(d)	Date Design Complete	1-90

(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	(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 CONSTR. COST INDEX
NAVAL SUPPLY DEPOT, 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 09/30/88	16	54	462	0	0	0	0	0	0	532
b. END FY 1994	14	49	462	0	0	0	4	4	0	533

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(1,586)	
b. INVENTORY TOTAL AS OF 30 SEP 88		51,960
c. AUTHORIZATION NOT YET IN INVENTORY		13,760
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		2,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		6,800
g. REMAINING DEFICIENCY		8,700
h. GRAND TOTAL		84,120

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872.10	SECURITY IMPROVEMENTS	LS	2,900	10/88	09/89
	TOTAL		2,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

61C.20	DATA PROCESSING SER CTR	20,560 SF	6,800

10. MISSION OR MAJOR FUNCTIONS:
Procure, receive, store, issue, control and account for materials, supplies, and fuel for fleet units and shore activities in Guam.

Ship Repair Facility	Naval Station
Public Works Center	Naval Hospital
Small commands and visiting ships	Naval Magazine
Anderson Air Force Base (limited support)	Communications Station

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A: POLLUTION ABATEMENT	1,000
B: INSTALLATION RESTORATION	1,040
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

DD FORM 1390
1DEC76

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUPPLY DEPOT, GUAM	SECURITY IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204996N	872.10	P-114	2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
SECURITY IMPROVEMENTS	LS	-	-	2,620
FENCING	LF	61,000	29.00	(1,770)
PAVING AND SITE IMPROVEMENT	LS	-	-	(850)
SUBTOTAL	-	-	-	2,620
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,750
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Eight-foot high chain link security fencing, vehicular and pedestrian gates, coral-surfaced inner perimeter road, outside fence clear zone.

11. REQUIREMENT: As Required.
PROJECT: Constructs perimeter fence and road at two supply depot fuel tank farms. (Current mission.)
REQUIREMENT: Adequate security for petroleum facilities as the threat of terrorism moves closer to military installations. Some activities have encountered political activists and harassment from dedicated protestors.
CURRENT SITUATION: Two supply depot fuel farms have no perimeter security fencing. Unauthorized access into these areas is relatively easy. The existing security patrol is not effective in securing the fuel tank farms from unauthorized entry.
IMPACT IF NOT PROVIDED: Strong potential for sabotage. Vandalism of the fuel farms could seriously impair the activity's sustainability to support fleet readiness.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION	
NAVAL SUPPLY DEPOT, GUAM	
4. PROJECT TITLE	**5. PROJECT NUMBER**
SECURITY IMPROVEMENTS	P-114

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	10-88
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	3-89
(d)	Date Design Complete	9-89

(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	(145)
(b)	All Other Design Costs	(165)
(c)	Total	310
(d)	Contract	(300)
(e)	In-house	(10)

(4) Construction start: 11-90 (month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

S/N 0102-LF-001-3910

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 09/30/88	301	2675	1175	0	0	0	167	401	0	4719
b. END FY 1994	296	2579	1175	0	0	0	167	401	0	4618

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(23,340)	
b. INVENTORY TOTAL AS OF 30 SEP 88		339,950
c. AUTHORIZATION NOT YET IN INVENTORY		77,660
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,030
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		5,100
f. PLANNED IN NEXT THREE PROGRAM YEARS		9,040
g. REMAINING DEFICIENCY		189,540
h. GRAND TOTAL		622,320

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
411.20	FUEL FACILITIES	LS	1,030	09/87	09/88
	TOTAL		1,030		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

124.30	FUEL FACILITY (PH-7)	19,000 CM	5,100
	TOTAL		5,100

B. MAJOR PLANNED NEXT THREE YEARS:

211.07	MPA SQUAD OPERS FAC	7,350 SF	5,490
211.81	ENGINE TEST CELL	LS	1,050
411.20	FUEL FACS	LS	2,500

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
Fighter Interceptor Squadron (F-15)
Security Group Activity
Airborne Warning and Control System (AWACS) Det (E-3A)
Commander, Iceland Defense Force
Commander, Fleet Air Keflavik
Communications Station
Naval Facility
Two 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	1,030

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL FACILITIES	LS	-	-	27,730
SUBTOTAL	-	-	-	27,730
LESS: NATO SHARE	-	-	-	-26,800
SUBTOTAL	-	-	-	930
CONTINGENCY (5%)	-	-	-	50
TOTAL CONTRACT COST	-	-	-	980
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	50
TOTAL REQUEST	-	-	-	1,030
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.

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 $26.8 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	9-87
(b)	Percent Complete as of January 1990	100
(c)	Date Design 35% Complete	5-88
(d)	Date Design Complete	9-88

(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	(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 09/30/88	8	31	304	0	0	0	0	0	0	343
b. END FY 1994	8	31	304	0	0	0	0	0	0	343

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)	
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,370
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	4,300
h. GRAND TOTAL	8,670

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	4,370	07/88	09/89
	TOTAL		4,370		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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	4,370

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
COMMUNICATION CENTER	SF	16,000	562.00	8,990
SUPPORTING FACILITIES	-	-	-	1,300
UTILITIES	LS	-	-	(370)
PAVING AND SITE IMPROVEMENT	LS	-	-	(930)
SUBTOTAL	-	-	-	10,290
CONTINGENCY (5%)	-	-	-	510
TOTAL CONTRACT COST	-	-	-	10,800
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	600
SUBTOTAL	-	-	-	11,400
LESS: NATO SHARE	-	-	-	-7,030
TOTAL REQUEST	-	-	-	4,370
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete building, concrete foundation, semi-hardened, HEMP protected, temperature and humidity controlled environmental system, uninterrupted electric power source, emergency generators, utilities; includes space for message center, cryptographic equipment room, electronic equipment repair shops.

11. REQUIREMENT: 16,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Provides a communication center to house the operational functions of this station. (Current mission.)
REQUIREMENT: Adequate 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 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 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.

(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)
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 physical security.
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.
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 $7 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..... 7-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 1-89
- (d) Date Design Complete..... 9-89

(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..... (95)
- (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: 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, 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 09/30/88	6	147	31	0	0	0	0	0	0	184
b. END FY 1994	6	147	31	0	0	0	0	0	0	184

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)
b. INVENTORY TOTAL AS OF 30 SEP 88	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
131.35	RECEIVER FACILITY	4,000 SF	1,750	10/88	09/89
	TOTAL		1,750		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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 PROJECT DATA	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	1,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
RECEIVER FACILITY	SF	4,000	-	590
BUILDINGS	SF	4,000	130.00	(520)
BUILT-IN EQUIPMENT	LS	-	-	(70)
SUPPORTING FACILITIES	LS	-	-	990
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(80)
ELECTRICAL UTILITIES	LS	-	-	(360)
MECHANICAL UTILITIES	LS	-	-	(270)
PAVING AND SITE IMPROVEMENT	LS	-	-	(280)
SUBTOTAL	-	-	-	1,580
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,660
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,750
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: NAVCOMMSTA Sicily will not be able to fully accomplish its mission.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION STATION, SICILY, ITALY

4. PROJECT TITLE	5. PROJECT NUMBER
RECEIVER FACILITY	P-305

11. REQUIREMENT: (Continued)
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.

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..... 10-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 3-89
- (d) Date Design Complete..... 9-89

(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..... (100)
- (b) All Other Design Costs..... (100)
- (c) Total..... 200
- (d) Contract..... (160)
- (e) In-house..... (40)

(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 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 09/30/88	202	2116	550	0	0	0	170	1503	0	4541
b. END FY 1994	245	2570	235	0	0	0	175	1517	0	4742

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(648)	
b. INVENTORY TOTAL AS OF 30 SEP 88		49,560
c. AUTHORIZATION NOT YET IN INVENTORY		49,680
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		13,010
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		38,700
g. REMAINING DEFICIENCY		390
h. GRAND TOTAL		151,340

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.65	OPERATIONAL CONTROL CTR	31,600 SF	5,650	01/89	05/90
211.03	CORROSION CTRL HANGAR	20,000 SF	5,400	07/88	04/89
211 21	ENGINE MAINT SHOP ADDN	14,370 SF	1,960	10/88	09/89
	TOTAL		13,010		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:

721.11	CONSTR BTSHP SPT FACS-IN I	128,700 SF	7,100
721.11	BACHELOR ENLISTED QUARTERS	LS	8,800
740.54	FLEET REC CENTER	LS	2,800
851.10	ROADS UTILITIES	LS	20,000

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	5,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CORROSION CONTROL HANGAR	SF	16,000	-	3,730
BUILDING	SF	16,000	144.00	(2,310)
BUILT-IN EQUIPMENT	LS	-	-	(1,420)
SUPPORTING FACILITIES	-	-	-	1,150
SPECIAL FOUNDATION FEATURES	LS	-	-	(290)
ELECTRICAL UTILITIES	LS	-	-	(220)
MECHANICAL UTILITIES	LS	-	-	(290)
PAVING AND SITE IMPROVEMENT	LS	-	-	(350)
SUBTOTAL	-	-	-	4,880
CONTINGENCY (5%)	-	-	-	240
TOTAL CONTRACT COST	-	-	-	5,120
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	280
TOTAL REQUEST	-	-	-	5,400
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.

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. (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.
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
(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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)
for corrosion 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.
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 status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
- (a) Date Design Started..... 7-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 9-88
- (d) Date Design Complete..... 4-89

(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..... (200)
- (c) Total..... 500
- (d) Contract..... (400)
- (e) In-house..... (100)

(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	1,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ENGINE MAINTENANCE SHOP ADDITION	SF	14,370	-	1,040
BUILDING	SF	14,370	61.00	(880)
BUILT-IN EQUIPMENT	LS	-	-	(160)
SUPPORTING FACILITIES	-	-	-	730
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(300)
ELECTRICAL UTILITIES	LS	-	-	(160)
MECHANICAL UTILITIES	LS	-	-	(120)
PAVING AND SITE IMPROVEMENT	LS	-	-	(150)
SUBTOTAL	-	-	-	1,770
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,860
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,960
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.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	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)

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.

ADDITIONAL: Prefinancing 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 status: (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	3-89
(d)	Date Design Complete	9-89

(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	(110)
(b)	All Other Design Costs	(90)
(c)	Total	200
(d)	Contract	(170)
(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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION, SIGONELLA, ITALY	OPERATIONS CONTROL CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204696N	143.65	P-144	5,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS CONTROL CENTER	SF	31,600	193.00	6,110
SUPPORTING FACILITIES	-	-	-	690
SPECIAL CONSTRUCTION FEATURES	LS	-	-	(60)
UTILITIES	LS	-	-	(280)
PAVING AND SITE IMPROVEMENT, DEMOLITION	LS	-	-	(350)
US PART OF SIOH FOR NATO PORTION (3%)	-	-	-	50
SUBTOTAL	-	-	-	6,850
LESS: NATO PORTION	-	-	-	-1,750
SUBTOTAL	-	-	-	5,100
CONTINGENCY (5%)	-	-	-	260
TOTAL CONTRACT COST	-	-	-	5,360
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	290
TOTAL REQUEST	-	-	-	5,650
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.	-	-	(NON-ADD)	(9,170)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Two-story reinforced concrete and masonry building, concrete floors and foundation, TEMPEST shielding, computer flooring, design for seismic criteria Zone 4; semi-hardened decontamination module; security fencing, floodlights, remote monitoring of exterior doors; sprinkler system, ventilation and air conditioning, utilities; communications and telephone conduits; demolition of four buildings.

11. REQUIREMENT: 31,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.

PROJECT: Provides hardened facilities for the operations control (OPCON) center including a decontamination module for nuclear, biological and chemical (NBC) warfare. (Current mission.)

REQUIREMENT: Adequate, hardened OPCON center to include an anti-submarine warfare operations center (ASWOC), command and control center (CCC), meteorlogical and oceanographic compartment, Maritime Air Control Authority (MACA), NATO squad operations, and support facilities including a nuclear, biological and chemical (NBC) decontamination module, all in support of expanding intelligence tasks. Hardening is required to increase uninterrupted operations of key functions in the event of hostilities in the Mediterranean theatre to sustain the communications, intelligence processing and analysis in support of Sixth Fleet operations.

CURRENT SITUATION: The principal OPCON functions are inadequate because they are undersized and not located in proximity to each other causing inefficient operations. The CCC however, has been hardened but other essential facilities have not. NBC protection is non-existent for any

(Continued on DD 1391c)

S/N 0102 LF 001 3010

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

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, SIGONELLA, ITALY

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS CONTROL CENTER	P-144

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
current facility. The existing ASWOC van complex is inadequate in size and design to meet current and projected workloads, and cannot accommodate equipment scheduled to arrive in 1993. Security of existing facilities is unsatisfactory and structural integrity of these structures is deteriorating.
IMPACT IF NOT PROVIDED: Inability to provide secure and hardened facilities for ASW, intelligence, and communications functions to remain operational during a hostile contingency in support of Sixth Fleet operations. Present and future OPCON missions will be downgraded. Essential OPCON equipment cannot be installed for expanded operations to sustain communications and intelligence analysis and processing of data from fleet missions in the Mediterranean.
ADDITIONAL: Conjunctive funding under NATO procedures is planned for this project, requiring partial US unilateral authorization and funding for US requirements only, that are not within an established NATO infrastructure category for common funding. The project is partially eligible for NATO infrastructure common funding and to that extent, has been programmed in Slice (SL) 41 (FY90) for infrastructure funding. NATO criteria precludes inclusion of a complete project in infrastructure. 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..... 1-89
- (b) Percent Complete as of January 1990..... 75
- (c) Date Design 35% Complete..... 8-89
- (d) Date Design Complete..... 5-90

(2) Basis:
- (a) Standard or Definitive Design: Yes ____ No X
- (b) Where Design Was Most Recently Used: N/A

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AIR STATION, SIGONELLA, ITALY

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS CONTROL CENTER	P-144

12. SUPPLEMENTAL DATA: (Continued)

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications	(330)
(b)	All Other Design Costs	(170)
(c)	Total	500
(d)	Contract	(430)
(e)	In-house	(70)

(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)
ASWOC/ASCOM Equipment	OPN	1992	7,670
Meteorological/ Oceanographic Equipment	OPN	1991	1,500
		TOTAL	9,170

S/N 0102-LF-001 3015

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 09/30/88	10	274	34	0	0	0	0	0	0	318
b. END FY 1994	10	288	34	0	0	0	0	0	0	332

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(	0)
b. INVENTORY TOTAL AS OF 30 SEP 88		4,590
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		5,590

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	1,000	05/88	08/89
	TOTAL		1,000		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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: NAVY

2. DATE

FY 1991 MILITARY CONSTRUCTION PROGRAM

3. INSTALLATION AND LOCATION: MARINE CORPS AIR STATION, IWAKUNI, JAPAN

4. COMMAND: COMMANDANT OF THE MARINE CORPS

5. AREA CONSTR. COST INDEX: 1.89

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	93	426	858	0	0	0	257	2934	0	4528
b. END FY 1994	64	503	870	0	0	0	332	3241	551	5561

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(6,571)	
b. INVENTORY TOTAL AS OF 30 SEP 88		50,990
c. AUTHORIZATION NOT YET IN INVENTORY		3,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		5,910
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		4,630
f. PLANNED IN NEXT THREE PROGRAM YEARS		32,730
g. REMAINING DEFICIENCY		78,650
h. GRAND TOTAL		176,100

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
143.20	WEAPONS ASSEMBLY AREA	LS	2,820	05/88	08/89
441.12	HANGAR CONVERSION	23,450 SF	3,090	05/88	08/89
	TOTAL		5,910		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM

116.35	ARMING & DEARMING PAD	30,550 SY	4,630	04/87	08/88
	TOTAL		4,630		

B. MAJOR PLANNED NEXT THREE YEARS:

113.20	AIRCRAFT PARKING APRON	112,000 SY	12,760
211.05	FIRE PROT AC HANGAR SHP	LS	3,150
441.10	FIRE PROT WAREHOUSE	14[illegible] 950 SF	4,750
111.10	WIDEN RUNWAY	S	4,140

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

DD FORM 1390
1DEC76

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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	3,090

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HANGAR CONVERSION.	SF	23,450	-	1,200
BUILDING CONVERSION AND RENOVATION	SF	23,450	51.00	(1,200)
SUPPORTING FACILITIES.	-	-	-	1,590
ELECTRICAL UTILITIES	LS	-	-	(450)
MECHANICAL UTILITIES	LS	-	-	(720)
PAVING AND SITE IMPROVEMENT.	LS	-	-	(420)
SUBTOTAL	-	-	-	2,790
CONTINGENCY (5%)	-	-	-	140
TOTAL CONTRACT COST.	-	-	-	2,930
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	160
TOTAL REQUEST.	-	-	-	3,090
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, ventilation, utilities.

11. REQUIREMENT: 23,450 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.
PROJECT: Converts and renovates 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.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, IWAKUNI, JAPAN

4. PROJECT TITLE	5. PROJECT NUMBER
HANGAR CONVERSION	P-809

11. REQUIREMENT: (Continued)
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.

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..... 5-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 10-88
- (d) Date Design Complete..... 8-89

(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..... (225)
- (b) All Other Design Costs..... (225)
- (c) Total..... 450
- (d) Contract..... (365)
- (e) In-house..... (85)

(4) Construction start..... 5-91 (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
MARINE CORPS AIR STATION, IWAKUNI, JAPAN	WEAPONS ASSEMBLY AREA

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0206496M	143.20	P-840	2,820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
WEAPONS ASSEMBLY AREA	LS	-	-	1,030
WEAPONS ASSEMBLY BUILDING	SF	930	118.00	(110)
READY STORAGE BUILDINGS	SF	5,740	16.00	(90)
BARRICADES	CY	27,470	30.00	(830)
SUPPORTING FACILITIES	LS	-	-	1,510
UTILITIES	LS	-	-	(310)
PAVING AND SITE IMPROVEMENT	LS	-	-	(1,200)
SUBTOTAL	-	-	-	2,540
CONTINGENCY (5%)	-	-	-	130
TOTAL CONTRACT COST	-	-	-	2,670
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	150
TOTAL REQUEST	-	-	-	2,820
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame and masonry building; four ready storage buildings earthen berm barricaded; concrete foundations and floors, built-up roofs, engineered fill, retaining wall; monorail and hoist system, compressed air system, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides a weapons assembly and ordnance ready-storage facility. (New mission.)

REQUIREMENT: Adequate facilities to support ordnance build-up and ready-storage areas to accommodate two Marine Aircraft Groups (MAGs).

CURRENT SITUATION: Existing ordnance assembly area operates under an explosive safety waiver and has the capacity to support only a single MAG vice the two MAGs now assigned to Iwakuni. The existing facility needs to be relocated to make room for another ordnance related project. After completion of this and a follow-on ordnance project, all explosive arcs from ordnance operations will be contained within non-populated areas.

IMPACT IF NOT PROVIDED: This activity will be unable to support the operational needs of the two MAGs assigned. Populated areas will remain within explosive safety arcs, thus exposing people to unnecessary danger and possible injury in the event of an ordnance mishap.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

MARINE CORPS AIR STATION, IWAKUNI, JAPAN

4. PROJECT TITLE	5. PROJECT NUMBER
WEAPONS ASSEMBLY AREA	P-840

11. REQUIREMENT: (Continued)
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.

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..... 5-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 10-88
- (d) Date Design Complete..... 8-89

(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..... (140)
- (c) Total..... 220
- (d) Contract..... (150)
- (e) In-house..... (70)

(4) Construction start..... 6-91 (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 MAGAZINE, SUBIC BAY, PHILIPPINES	COMMANDER IN CHIEF, PACIFIC FLEET	1.23

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	28	154	230	0	0	0	0	0	0	409
b. END FY 1994	28	184	230	0	0	0	0	0	0	442

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(0)	
b. INVENTORY TOTAL AS OF 30 SEP 88		23,690
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		7,300
f. PLANNED IN NEXT THREE PROGRAM YEARS		21,700
g. REMAINING DEFICIENCY		19,200
h. GRAND TOTAL		73,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
216.10	AMMO SEGREGATION FACILITY	14,500 SF	1,900	10/88	01/90
	TOTAL		1,900		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM			
143.20	ORDNANCE OPERATIONS BLDG	30,160 SF	4,300
229.60	GUIDED MSL INTEGRATION FAC	25,590 SF	3,000
	TOTAL		7,300
B. MAJOR PLANNED NEXT THREE YEARS:			
152.70	ORD CONTAINER HDLG WHARF	LS	11,000
212.10	GUIDED MISSILE INTEG FAC	37,260 SF	6,000
216.10	AMMO REWRK & OVHL SHOPS	35,500 SF	4,700

10. MISSION OR MAJOR FUNCTIONS:
Receive, maintain, rework, sort, and issue ammunitions and ordnance for military forces in the 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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL MAGAZINE, SUBIC BAY, REPUBLIC OF THE PHILIPPINES	AMMUNITION SEGREGATION FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204996N	216.10	P-405	1,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
AMMUNITION SEGREGATION FACILITY	SF	14,500	48.00	700
SUPPORTING FACILITIES	-	-	-	1,010
UTILITIES	LS	-	-	(300)
PAVING AND SITE IMPROVEMENT	LS	-	-	(710)
SUBTOTAL	-	-	-	1,710
CONTINGENCY (5%)	-	-	-	90
TOTAL CONTRACT COST	-	-	-	1,800
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	100
TOTAL REQUEST	-	-	-	1,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

One-story steel frame building, concrete foundation and floor, open sides, built-up roof, masonry partitions, explosion-proof fixtures, sprinkler and fire alarm systems, grounding and lightning protection, utilities.

11. REQUIREMENT: 14,500 SF. ADEQUATE: 0 SF. SUBSTANDARD: 10,400 SF.
PROJECT: Provides an ammunition segregation facility outside the explosive safety quantity distance (ESQD) arcs. (Current mission.)
REQUIREMENT: Adequate facilities to support inspection of all ammunition and explosives to insure that they are stored in the appropriate magazine based on type of explosive or sent to repair shops. Segregation is a major process in maintaining munition logistical support to the Fleet. All incoming explosives are brought to a segregation area. A suitably-sited segregation facility is necessary to segregate incoming munitions of various explosive hazard classification to comply with storage and handling safety requirements. Explosives are removed from combatants before they are sent to repair piers and from other ships with explosive cargo destined for Subic Bay. Explosives are inspected and sent to storage or to repair and rework shops so that damaged, over-aged, or uncertified explosives are not returned to ships.
CURRENT SITUATION: The existing ammunition segregation facility operates under an explosive safety waiver, as it is within the explosive safety quantity distance arcs from both ammunition wharves. Explosives segregation is performed in deteriorated facilities that are structurally unsafe.

(Continued on DD 1391c)

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL MAGAZINE, SUBIC BAY, REPUBLIC OF THE PHILIPPINES

4. PROJECT TITLE	5. PROJECT NUMBER
AMMUNITION SEGREGATION FACILITY	P-405

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: Continued segregation of munitions in a facility operating under an explosive safety waiver.
ADDITIONAL: A bilateral agreement between the U.S. and 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.

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..... 10-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 5-89
- (d) Date Design Complete..... 1-90

(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..... (170)
- (c) Total..... 260
- (d) Contract..... (220)
- (e) In-house..... (40)

(4) Construction start..... 4-91 (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, SABANA SECA, PUERTO RICO	NAVAL SECURITY GROUP COMMAND	1.23

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	11	260	71	0	0	0	0	0	0	342
b. END FY 1994	13	285	71	0	0	0	0	0	0	369

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	(2,618)	
b. INVENTORY TOTAL AS OF 30 SEP 88		13,680
c. AUTHORIZATION NOT YET IN INVENTORY		1,190
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		810
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		15,680

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131.55	OPS BUILDING ADDITION	LS	810	03/89	02/90
	TOTAL		810		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
NONE

B. MAJOR PLANNED NEXT THREE YEARS:
NONE

10. MISSION OR MAJOR FUNCTIONS:
Provide tactical communications, monitor transmission procedures, and research into electronic phenomena.

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

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	400
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 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 03/30/88	28	622	2	0	0	0	0	0	0	653
b. END FY 1994	40	800	2	0	0	0	0	0	0	842

7. INVENTORY DATA ($000)

	TENANT OF NS
a. TOTAL ACREAGE	
b. INVENTORY TOTAL AS OF 30 SEP 88	10,220
c. AUTHORIZATION NOT YET IN INVENTORY	400
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	450
h. GRAND TOTAL	12,810

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	1,740	07/88	10/89
	TOTAL		1,740		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL COMMUNICATION STATION, ROTA, SPAIN	OPERATIONS BUILDING ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0303196N	131.55	P-556	1,740

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
OPERATIONS BUILDING ADDITION	SF	11,340	-	1,270
BUILDING ADDITION	SF	9,140	97.00	(890)
BUILDING ALTERATIONS	SF	2,200	45.00	(100)
BUILT-IN EQUIPMENT	LS	-	-	(280)
SUPPORTING FACILITIES	-	-	-	300
UTILITIES, PAVING & SITE IMPR, DEMOLITION	LS	-	-	(300)
SUBTOTAL	-	-	-	1,570
CONTINGENCY (5%)	-	-	-	80
TOTAL CONTRACT COST	-	-	-	1,650
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	-	-	-	90
TOTAL REQUEST	-	-	-	1,740
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 roofing on rigid insulation over concrete deck, computer flooring, sound attenuation, fire protection system, access control system; renovate interior of one building; air conditioning, utilities; partial demolition of one building.

11. REQUIREMENT: 77,760 SF. ADEQUATE: 66,420 SF. SUBSTANDARD: (2,200) SF.

PROJECT: Provides additional operational space adjacent to the Circular Display Antenna Array Building and improves the use of existing building space. (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 and the installation of additional state-of-the-art communication equipment. 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 for the department, supporting SEAMARK, NEWSDEALER, CENTER-BOARD, and TACINTEL.

CURRENT SITUATION: Existing space will not support the additional communications programs, equipment, or personnel.

IMPACT IF NOT PROVIDED: Additional communications workload will not be efficiently and effectively accomplished. Operational floor space will not be available to support the mission requirements of NAVSECGRU.

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL COMMUNICATION STATION, ROTA, SPAIN

4. PROJECT TITLE	5. PROJECT NUMBER
OPERATIONS BUILDING ADDITION	P-556

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
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 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 Pt II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:
- (a) Date Design Started..... 7-88
- (b) Percent Complete as of January 1990..... 100
- (c) Date Design 35% Complete..... 11-88
- (d) Date Design Complete..... 10-89

(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..... (100)
- (b) All Other Design Costs..... (70)
- (c) Total..... 170
- (d) Contract..... (135)
- (e) In-house..... (35)

(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 19 91 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	1.50

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF CER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFF CER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88	37	174	30	0	0	0	2	3	1	247
b. END FY 19 94	45	238	30	10	50	0	2	3	51	429

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE (0)	
b. INVENTORY TOTAL AS OF 30 SEP 1988	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	3,600

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
134.70	Electronic Installation	LS	3,600	12/88	06/90
	TOTAL		3,600		

9. Future Projects:

a. Included in following program: 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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FLEET SURVEILLANCE SUPPORT COMMAND, BRANDY WALES, UNITED KINGDOM	ELECTRONIC INSTALLATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0204577N	134.70	P-301	3,600

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 IMPROVEMENT	LS	-	-	(2,330)
SUBTOTAL	-	-	-	13,540
CONTINGENCY (5%)	-	-	-	680
TOTAL CONTRACT COST	-	-	-	14,220
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	780
TOTAL REQUEST	-	-	-	15,000
LESS: OTHER FUNDING	-	-	-	-11,400
U.S. FUNDING REQUEST	-	-	-	3,600
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 75% funding

(Continued on DD 1391c)

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	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

11. REQUIREMENT: (Continued)
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.

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..... 12-88
- (b) Percent Complete as of January 1990..... 75
- (c) Date Design 35% Complete..... 7-89
- (d) Date Design Complete..... 6-90

(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..... (515)
- (b) All Other Design Costs..... (685)
- (c) Total..... 1200
- (d) Contract..... (1080)
- (e) In-house..... (120)

(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)
Antenna and Operational Equipment	OPN	1991	90,000

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 09/30/88	264	822	548	0	0	0	0	0	0	1634
b. END FY 1994	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 88		0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		500
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		500

8. PROJECTS REQUESTED IN THIS PROGRAM.

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610.10	PASS OFFICE	LS	500	09/88	06/89
	TOTAL		500		

9. FUTURE PROJECTS:

A. INCLUDED IN FOLLOWING PROGRAM
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 19 21 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES	LAND ACQUISITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
VARIES	911.10	VARIOUS	7,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
LAND ACQUISITION	LS	-	-	7,040
SUBTOTAL	-	-	-	7,040
CONTINGENCY (5%)	-	-	-	350
TOTAL CONTRACT COST.	-	-	-	7,390
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	410
TOTAL REQUEST.	-	-	-	7,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Acquisition of interests in approximately 645.0 acres of land as follows; provide relocation assistance; demolition as necessary.

Naval Submarine Base, New London, CT - 2.0 acres (approx.)
Naval Amphibious Base, Little Creek, VA - 3.0 acres (approx.)
Naval Air Facility, El Centro, CA - 640.0 acres (approx.)

11. REQUIREMENT: As Required.
PROJECT: Acquires interests in land at three locations to support activity missions.
REQUIREMENT: Restrictive use easements or fee titles are needed to provide sites for facilities and to meet or protect operational capabilities.
CURRENT SITUATION: Sites are not available for construction of some facilities, and operations are constrained by non-compatible activity on privately-owned land adjacent to the boundaries of Navy activities.
IMPACT IF NOT PROVIDED: Sites will not be available for construction of facilities. Military operations will continue to be constrained.

12. SUPPLEMENTAL DATA: Not Applicable.

POLLUTION ABATEMENT

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES	POLLUTION ABATEMENT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
VARIES	VARIES	VARIOUS	17,240

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
POLLUTION ABATEMENT FACILITIES	LS	-	-	17,240
TOTAL REQUEST.	-	-	-	17,240

10. DESCRIPTION OF PROPOSED CONSTRUCTION

These pollution abatement facilities will bring Naval 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 description of work.)

11. REQUIREMENT: VARIES.
PROJECT: Provides pollution abatement facilities.
REQUIREMENT: To 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.
CURRENT SITUATION: 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.
ADDITIONAL: This program complies with current water quality standards for the projects at their locations. The pollution abatement program includes projects in the following categories:

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

11. REQUIREMENT: (Continued)
ADDITIONAL: (Continued)
Solid Waste Disposal Facilities - These projects are necessary in certain areas with unusual conditions for disposal of solid wastes to eliminate excess accumulations of trash and garbage that possibly would attract vermin.
Sanitary Wastewater System - Some installations have sewerage systems which do not meet present day minimum water quality standards. The Clean Water Act of 1977, PL 95-217, requires every "point source" discharger to obtain a permit which specifies the allowable amount and constituents of the effluent. The permit also contains a schedule specifying the dates by which the discharger will achieve compliance. These projects provide improvements to sanitary sewage collection and treatment systems to satisfy the water quality criteria and permit requirements.
Industrial Wastewater Treatment Facilities - Industrial operations create many unique waste disposal problems. The effluent is more difficult to treat than typical sanitary sewage wastewater. Industrial wastewater effluents contain heavy metals and toxic and corrosive chemicals that are potential stream pollutants, and also have deleterious effect on municipal sewage treatment systems. Therefore, the Navy must provide pretreatment plants at many installations. Industrial facilities discharge wastes, untreated or inadequately treated, into adjacent drainage courses that empty into harbor or navigable waters in violation of water quality standards. These projects provide pretreatment facilities, and other modifications as required, to meet the discharge permit requirements.
Water and Sewer Pipelines Separation - These projects insure compliance with Environmental Protection Agency (EPA), the Clean Water Act, and the States for elimination of potable water contamination because of cross-connections of pipelines.

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 19 91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

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, NAS Adak	3,200

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	3,200
California	
214.55 P-470 Industrial Wastewater Treatment Facilities, MCAGCC Twentynine Palms	2,200

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. Standard sand and oil separators used are inadequate because of the excessive quantities of sand needed, and the 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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		California (Continued)	
214.55	P-470	Industrial Wastewater Treatment Facilities, MCAGCC Twentynine Palms (Continued)	

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			2,200
		Florida	
831.10	P-831	Sanitary Wastewater System Upgrade, NAS Cecil Field	2,000

Project is necessary for compliance with Environmental Protection Agency (EPA) and the Florida Department of Environmental Regulation requirements that treated water discharged from a sewage treatment plant can no longer be discharged into surface waters. Secondary effluent is presently discharged downstream into the receiving waters and flows to the St. John's River. This project will construct appropriate tertiary treatment facilities for sewage treatment plant effluent to pass through before final station discharge. This work will insure Navy compliance with Federal and State water quality standards. (Current mission.)

842.10	P-111	Water and Sewer Pipelines Separation, NPWC Pensacola	3,440

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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Florida (Continued)	
842.10	P-111	Water and Sewer Pipelines Separation, NPWC Pensacola (Continued)	

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	5,440
Maryland	
831.10 P-963 Industrial Wastewater Treatment Facilities, NOS Indian Head	6,400

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	6,400
Total - Pollution Abatement Facilities	17,240

UNSPECIFIED
MINOR CONSTRUCTION

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL & MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE & OUTSIDE UNITED STATES	UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901211N	020.00	P-091	15,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS	-	-	15,500
TOTAL REQUEST.	-	-	-	15,500

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.

"K" A&E SERVICES & CONSTR DESIGN

ARCHITECTURAL & ENGINEERING SERVICES & CONSTRUCTION DESIGN

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL & MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE & OUTSIDE UNITED STATES	ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
0901211N	010.00	Various	82,499

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A&E SERVICES AND CONSTRUCTION DESIGN	LS	-	-	82,499
TOTAL REQUEST.	-	-	-	82,499

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 available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services and construction design are not included in the construction project cost estimates.

ACCESS ROADS

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
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 PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES	PROJECTS $1 MILLION AND UNDER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
VARIES	VARIOUS	VARIOUS	13,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PROJECTS $1 MILLION AND UNDER	LS	-	-	13,650
TOTAL REQUEST.	-	-	-	13,650

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Specified construction projects (except family housing) having a funded cost of $1,000,000 or less. (See individual project description.)

11. REQUIREMENT: VARIES.
Projects are specifically identified below and 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)

S/N 0102 LF-001-3910

1. COMPONENT	FY 19_91 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

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, NAS Lemoore	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.)

218.15	P-074	Battery Shop, NAS Lemoore	420

Adequate facilities are required for repair, servicing, scheduled maintenance, and storage of lead acid and nicad batteries for F/A-18, TA-7C, A-7E, UH-1N, T-39 aircraft and for ground support equipment. With the introduction of the F/A-18 the workload is expected to increase by 30%. The existing battery shop, located in one corner of the overcrowded ground support equipment shop, cannot expand. The current facility will be unable to meet its mission or storage requirements. This project constructs an adequate and properly-configured battery shop. (Current mission.)

213.55	P-235	Asbestos Removal Shop, Long Beach NSY, Long Beach	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.)

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		California (Continued)	
171.20	P-888	Weapons School Addition, NAS Miramar	900

Special purpose training in classified weapons systems 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 an existing school to support training in this new weapons system. (New mission.)

171.20	P-034	Applied Instruction Building Addition, FCTCPAC San Diego	620

Adequate training facilities are required by the Sensitive Intelligence Training Division. No available facilities exist for this purpose. This project constructs an addition to a training building to accommodate additional personnel and training equipment scheduled for this facility. (Current mission.)

832.40	P-092	Oily Waste System, NSB San Diego	440

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	3,780

(Continued on DD 1391c)

S/N 0102-LF-001-3915

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Florida	
441.20	P-510	Medical Warehouse Addition, NH Jacksonville	940

Adequate space is needed to accommodate on-base continuing stockpoint operations and storage of medical supplies to properly support the hospital and six outlying clinics. Present on-base medical warehouse space is not sufficient, requiring off-base leasing. This project will construct an addition to the medical warehouse to satisfy medical storage requirements at Jacksonville. (Current mission.)

Subtotal - FLorida	940
Georgia	
421.48 P-420 Small Ordnance Magazine, NSB Kings Bay	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, NPWC Great Lakes	700

The installation of approximately five miles of subsurface drain pipe is required to allow subsurface water to be drained off, lowering the static ground water table. A high ground water table in the Camp Porter training area has been the cause of frequent utility outages that interfere with recruit training. Ground water levels are presently above electric and

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Illinois (Continued)	
871.10	P-378	Storm Sewer System Improvements, NPWC Great Lakes (Continued)	

steam manhole bases and fire hydrant drains. 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 improve the present storm sewer system's ability to drain water. (Current mission.)

Subtotal - Illinois	700
	New Mexico
371.15 P-005 Gun Test Range, NOMTF White Sands	600

Adequate facilities for testing new extended range shells for the 16-inch gun to determine ballistic range table accuracy and target performance of munitions before ship deployment. Testing is required in 1991 to ensure timely issue to the fleet. Target sites for performance of ballistic certification and dummy and live round dispersion testing are required at different ranges throughout the performance envelope of the gun. Four dummy target areas and two live munitions impact areas are necessary for complete and reliable range table establishment. Two live munitions impact areas are available within the 16-inch performance parameters but, target areas do not exist for dummy sub-munitions or ballistic round testing provided by this project. (Current mission.)

Subtotal - New Mexico	600

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		New York	
872.10	P-002	Phyiscal Security Improvements, MCDIST Garden City	440

Unauthorized vehicles and pedestrians can now enter federal property and proceed unimpeded to the guardhouse. Pedestrians can move about the property and approach the guardhouse and main gate unseen. The security perimeter around the entire front area of the Headquarters First Marine Corps District building center must be pushed out to the edge of the property and all vehicles and personnel checked by members of the guard force prior to entering. This project will relocate a guardhouse, extend security fencing, install security lighting and interior parking lot security walls adjacent to the building's main entrance; block-up six garage loading dock doors and relocate one loading dock facility. (Current mission.)

Subtotal - New York	440
	South Carolina
841.40 P-229 Emergency Water Storage Tank, NH Charleston	550

The hospital requires an emergency source of water for personal consumption and fire protection should the present water supply be cut off. The hospital presently receives all potable and fire protection water from the city. No means of backup or emergency water exists to ensure patient care, safety, and comfort. Recent earthquake and hurricane incidents have revealed the vulnerability of the potable and fire protection water system of the hospital which is located in Seismic Zone 3. This project will provide a tank for storing water for use in an emergency. (Current mission.)

610.10	P-747	Pay and Personnel Support Office Addition, NS Charleston	500

Adequate administrative space is required for this activity to handle military pay and transportation functions, and to maintain military

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		South Carolina (Continued)	
610.10	P-747	Pay and Personnel Support Office Addition, NS Charleston (Continued)	

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.)

841.10	P-800	Water Treatment Facility, Charleston NSY, Charleston	500

The Navy spends millions of dollars annually to repair damage to shipboard steam, condensate, and boiler systems caused by corrosion and scaling. While the Navy has improved shipboard boiler feedwater and condensate system methods, part of the problem is created by impurities in shore steam and feedwater supplied to ships in-port. The shore-to-ship steam presently being produced by the shipyard does not meet the Navy's clean-steam criteria. This project provides an improved boiler feedwater and condensate system to ensure compliance with shore-to-ship clean-steam criteria. (Current mission.)

Subtotal - South Carolina	1,550
Virginia	
171.20 P-360 Training Materials Storage, NAVPHIBSCOL Little Creek	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

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Virginia (Continued)	
171.20	P-360	Training Materials Storage, NAVPHIBSCOL Little Creek (Continued)	

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, TRIDENTREFITFAC Bangor	910

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-ton 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. (Current mission.)

Subtotal - Washington	910
Total - Inside the United States	10,340

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARICUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

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	
		Japan	
843.10	P-001	Fire Protection System, NSGA Hanza, Okinawa	1,000

The operations building at this activity is currently equipped with manual carbon dioxide hose reels, a Halon flooding system, and a carbon dioxide flooding system. Current criteria specifies that such gaseous systems are not a substitute for sprinkler systems. An automatic fire protection system is required to protect high-value electronic equipment where combustible materials are processed or stored in adjacent areas. A pumping station and water storage tank is necessary to boost and maintain adequate water pressure. This project will install an automatic fire protection system, including a water storage tank, pumping station, an appropriate alarm system throughout the operations building. This project includes upgrading fire walls, doors, and corridors to meet the safety code. 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. (Current mission.)

Subtotal - Japan			1,000
		Puerto Rico	
131.55	P-069	Operations Building Addition, NSGA Sabana Seca	810

Documentation and equipment require continual updating to maintain current communications, relay, security, and assistance to the fleet and other components in the area. Constant advancements in signal intelligence (SIGINT) technology and projects with new equipment require additional operational space. Planned installation of SIGINT systems such as SEAMARK, NEWSDEALER, FLAGHOIST, and COBWEB will be negatively impacted by the lack of space. Sensitive electronic components require environmentally controlled storage space while awaiting installation. Currently,

(Continued on DD 1391c)

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

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		Puerto Rico (Continued)	
131.55	P-069	Operations Building Addition, NSGA Sabana Seca (Continued)	

the equipment is stored in inadequate space without necessary environmental controls. The extreme heat and humidity levels cause corrosion and deterioration. A central depository for classified technical publications required for mission operations does not exist. This project provides an operations building addition to accommodate new SIGINT equipment installations, controlled humidity storage space for SIGINT equipment, and technical publications handling area and library. Without the additional space provided by this project, mission critical SIGINT operational systems will not have sufficient space for installation and cause serious degradation of operational capability. Costly and environmentally sensitive electronic equipment will continue to sustain damage because of exposure to high temperatures and humidity. Additionally, without the publications handling area and classified library, sensitive technical material handling will continue with adverse security risks. (Current mission.)

Subtotal - Puerto Rico	810
United Kingdom	
610.10 P-610 Pay and Personnel Support Office, PERSUPPACT London	500

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

(Continued on DD 1391c)

S/N 0102-LF-001-3913

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
PROJECTS $1 MILLION AND UNDER	VARIOUS

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST ($000)
		United Kingdom (Continued)	
610.10	P-610	Pay and Personnel Support Office, PERSUPPACT London (Continued)	

funding. Prefinancing under NATO procedures is not planned for this project as it is not wthin an established NATO infrastructure category for common funding, nor is it expected to become eligible. (Current mission.)

Subtotal - United Kingdom	500
Total - Outside the United States	2,310

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.

Subtotal - Various Location	1,000
Grand Total - Projects $1 Million and Under	13,650

FAMILY HOUSING

DEPARTMENT OF NAVY
MILITARY FAMILY HOUSING
INDEX

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
AUTHORIZATION FOR APPROPRIATION REQUESTED
($000)

FUNDING PROGRAM		FY 1991
Construction of New Housing		149,023
Construction Improvements		45,951
A & E Services and Construction Design		1,500
Appropriation Request, Family Housing Construction		196,474
Operations and Maintenance		614,014
Operating Expense	116,878	
Utilities	183,095	
Maintenance	314,041	
Leasing		66,421
Domestic	39,810	
Foreign	26,611	
Debt Payment		198
Principal	0	
Interest and Other Expense	0	
Servicemen's Mortgage Insurance Premiums for Existing Coverage	198	
Appropriation Request, Family Housing Support		680,633
Total Family, Housing, Navy, Appropriation Request		877,107
Reimbursable Authority Requirements		12,093
Total Family Housing, Department of Navy Program		889,200

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET SUMMARY
PROGRAM SUMMARY

(In Thousands)

FY 1991 Program $889,200
FY 1990 Program $770,200

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 $889,200,000:

(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	180,273	16,201	196,474
Reimbursements	--	--	--
Total Program	180,273	16,201	196,474
Operations, Utilities, Maintenance and Leasing			
Appropriation Request	571,116	109,319	680,435
Reimbursements	10,393	1,700	12,093
Total Program	581,509	111,019	692,528
Debt Payment			
Appropriation Request	189	9	198
Reimbursements	--	--	--
Total Program	189	9	198
Total			
Appropriation Request	751,578	125,524	877,107
Reimbursements	10,393	1,700	12,093
Total Program	761,971	127,229	889,200

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, [$244,181,000] $127,738,000; for Operation and maintenance, and for debt payment, [$554,988,000] $630,545,000; in all [$799,169,000], $758,283,000: Provided, That the amount provided for construction shall remain available until September 30, [1993; Provided further, That of this amount, not to exceed $50,000 shall be available to liquidate obligations incurred for debt payment during fiscal year 1987] 1994.

Further, for the foregoing purposes, as follows: for Construction, $196,474,000; for Operation and maintenance, and for debt payment, $680,633,000; in all $877,107,000, to become available for obligation on October 1, 1990: Provided, That the amount provided for construction shall remain available until September 30, 1995. (10 U.S.C. 2824, 2827-29, 2831, 2851-54, 2857; Military Construction Appropriations Act, 1989; additional authorizing legislation to be proposed.)

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1984

Identification code 17-7030-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programmed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0101 Construction of new housing					675			
01.0201 Post-Acquisition Construction					380			
01.0301 Planning and design					1,236			
10.0001 Total					2,291			
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-3,878			
21.4007 Reprograming from/to prior year budget plans	-1,586							
25.0001 Unobligated balance lapsing	1,586				1,586			
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 programmed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0101 Construction of new housing					2,607	636		
01.0201 Post-Acquisition Construction					52	247		
01.0301 Planning and design					1,778	588		
10.0001 Total					4,436	1,471		
Financing:								
Unobligated balance available, start of year:					-5,919	-1,481		
21.4002 For completion of prior year budget plans					-400			
21.4003 Available to finance new budget plans	-400							
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					1,481			
40.0017 Budget authority (Appropriation rescinded)	-400				-400			

577

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1988

Identification code 17-7830-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0101 Construction of new housing					5,997	847	37	
01.0201 Post-Acquisition Construction					978	674	3,719	
01.0301 Planning and design					469	941		
10.0001 Total					7,444	2,462	3,756	
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-13,664	-8,218	-3,756	
21.4003 Available to finance new budget plans	-8,800				-8,800			
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					8,218	3,756		
40.0017 Budget authority (Appropriation rescinded) (	-8,800				-8,800			

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 programmed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0101 Construction of new housing					48,075		6,543	4,900
01.0201 Post-Acquisition Construction					15,281	8,661	150	119
01.0301 Planning and design					1,048	318	150	119
10.0001 Total					82,304	8,919	6 861	5,138
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-83,301	-20,010	-11,090	-5,138
21.4003 Available to finance new budget plans	-30				-30			
22.4091 Unobligated balance transferred to other accounts	30				30			
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					20,918	11,090	5,138	
39.0001 Budget authority								

Family Housing Construction, Navy
Program and Financing (in thousands of dollars) FISCAL YEAR 1988

Identification code 17-7830-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programmed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0101 Construction of new housing	192,666				91,439	82,071	15,301	2,075
01.0201 Post-Acquisition Construction	38,472				21,855	3,087	3,190	6,610
01.0301 Planning and design	8,248				1,748	825	500	350
10.0001 Total	238,386				115,042	87,583	19,071	9,535
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans								
22.4001 Unobligated balance transferred from other accounts (-)	-30					-123,344	-35,781	-10,000
Unobligated balance available, end of year:					-30			
24.4002 For completion of prior year budget plans								
39.0001 Budget authority	238,356				123,344	35,781	16,690	7,155
					238,356			
Budget authority:								
40.0001 Appropriation	237,914				237,914			
41.0001 Transferred to other accounts(-)	-400				-400			
42.0001 Transferred from other accounts	842				842			
43.0001 Appropriation (adjusted)	238,356				238,356			

Family Housing Construction, Navy
Program and Financing (In thousands of dollars) FISCAL YEAR 1989

Identification code 17-7830-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0181 Construction of new housing		186,868				74,181	79,072	16,788
01.0281 Post-Acquisition Construction		55,000				46,192	6,159	2,848
01.0381 Planning and design		2,315				1,736	232	195
10.0001 Total		244,181				122,081	85,463	19,534
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans							-122,090	-36,627
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans						122,090	36,627	17,093
40.0001 Budget authority (Appropriation)		244,181				244,181		

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			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0101 Construction of new housing			84,652				31,816	40,330
01.0201 Post-Acquisition Construction			42,086				31,503	4,270
01.0301 Planning and design			1,000				750	100
10.0001 Total			127,738				63,069	44,700
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans								
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans								-83,000
40.0001 Budget authority (Appropriation)			127,738				63,069	19,161
							127,738	

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 programmed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0101 Construction of new housing				149,023				82,701
01.0201 Post-Acquisition Construction				45,951				34,411
01.0301 Planning and design				1,500				1,125
10.0001 Total				196,474				98,237
Financing:								
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans				196,474				196,474
40.0001 Budget authority (Appropriation)								

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

Identification code 17-7830-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programed)				Obligations			
	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:								
Direct program:								
01.0101 Construction of new housing	192,606	186,386	84,652	148,023	146,783	150,617	122,640	127,514
01.0201 Post-Acquisition Construction	39,472	55,000	42,088	45,951	38,518	50,701	44,738	47,858
01.0301 Planning and design	6,248	2,315	1,000	1,500	6,300	4,218	1,641	1,778
10.0001 Total	238,386	244,181	127,738	196,474	191,601	222,536	178,020	177,152
Financing:								
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans					-106,783	-151,961	-173,606	-122,324
21.4003 Available to finance new budget plans	-9,230				-9,230			
21.4007 Reprograming (from)to prior year budget plans	-1,586							
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans					151,961	173,606	122,324	141,646
25.0001 Unobligated balance lapsing	1,536				1,536			
39.0001 Budget authority	229,156	244,181	127,738	196,474	229,156	244,181	127,738	196,474
Budget authority:								
40.0001 Appropriation	237,914	244,181	127,738	196,474	237,914	244,181	127,738	196,474
40.0017 Appropriation rescinded (unobligated balance)	-9,200				-9,200			
41.0001 Transferred to other accounts(-)	-400				-400			
42.0001 Transferred from other accounts	842				842			
43.0001 Appropriation (adjusted)	229,156	244,181	127,738	196,474	229,156	244,181	127,738	196,474
Relation of obligations to outlays:								
71.0001 Obligations incurred, net					191,601	222,536	178,020	177,152
72.4001 Obligated balance, start of year					145,678	196,218	246,934	280,756
73.0001 Obligated balance transferred, net					-102			
74.4001 Obligated balance, end of year					-196,218	-246,934	-280,756	-287,000
77.0001 Adjustments in expired accounts					410			
90.0001 Outlays					139,279	173,818	218,198	170,908

Family Housing Construction, Navy
Object Classification (in thousands of dollars) SUMMARY

Identification code 17-7030-0-1-051		1988 actual	1989 est.	1990 est.	1991 est.
	Direct obligations:				
	Other services:				
125.003	Contracts	8,438	9,872	7,433	8,882
125.004	Other	2,100	2,711	2,000	2,230
132.001	Land and structures	181,063	209,953	168,579	166,120
199.001	Total direct obligations	191,601	222,536	178,020	177,152
999.001	Total obligations	191,601	222,536	178,020	177,152

NEW CONSTRUCTION AND IMPROVEMENTS

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
CONSTRUCTION OF NEW HOUSING

(In Thousands)

FY 1991 Program $149,023
FY 1990 Program $ 84,652

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 1,228 units of family housing, three family housing offices, and two community centers, and

(2) Appropriation of $149,023,000 to fund this construction.

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, CA		1.21

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 SEP 87	420	2772	1556	10	5338	0	2169	25591	778	38634
b. END FY 19 93	609	3303	1989	66	3964	0	1991	26515	2197	40634

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	186,078	
b. INVENTORY TOTAL AS OF 30 SEP 1987		227,645
c. AUTHORIZATION NOT YET IN INVENTORY		63,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		11,750
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		13,500
f. PLANNED IN NEXT THREE PROGRAM YEARS		30,500
g. REMAINING DEFICIENCY		263,290
h. GRAND TOTAL		623,885

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	112	11,750	Turnkey	

9. Future Projects:

a. Included in following program (FY92) 136 units
b. Major planned next three years (FY93)(FY94) 320 units

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 combat training as required.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

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	11,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	112	71,679	8,028
BUILDINGS	SF	142,500	56.34	(8,028)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				2,579
PAVING & SITE IMPROVEMENTS				(1,437)
UTILITIES				(859)
LANDSCAPING				(115)
RECREATION				(97)
SPECIAL CONSTRUCTION FEATURES				(70)
DEMOLITION				(0)
SUB TOTAL				10,607
CONTINGENCY (5%)				530
TOTAL CONTRACT COST				11,137
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				613
TOTAL REQUEST				11,750
TOTAL REQUEST (ROUNDED)				11,750

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. 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	1.1737	$48.00	58	3,921
SEM	3	1350	1.1737	$48.00	54	4,107
					112	8,028

11. REQUIREMENT: 14295 FA ADEQUATE: 11353 FA SUBSTANDARD: 0 FA

Project: Provide 112 adequate family housing units for enlisted personnel. (Current mission.)
Requirement: Adequate family housing for married personnel.

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 FY-92. 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

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

3. INSTALLATION AND LOCATION	
MARINE CORPS BASE, CAMP PENDLETON, CA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
FAMILY HOUSING	H-890

MCB CAMP PENDLETON, CA (Continued)

IMPACT IF NOT PROVIDED: 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 (YYMMDD) 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&T(AR)1716
3. DOD COMPONENT: NAVY	4. REPORTING INSTALLATION a. NAME: MCB Camp Pendleton	b. LOCATION: California	
5. DATA AS OF: 31 January 1988			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E0-E4 (b)	E5-E9 (c)	TOTAL (d)	OFFICER (e)	E0-E4 (f)	E5-E9 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	3280	18561	18893	40734	3547	20213	21309	45069
7. PERMANENT PARTY PERSONNEL	3090	16745	16674	36509	3112	14704	17971	35787
8. GROSS FAMILY HOUSING REQUIREMENTS	2124	11026	4414	17564	2138	9675	4762	16575
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	993	3296	860	5149				
a. INVOLUNTARILY SEPARATED	22	90	184	296				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	971	3206	676	4853				
10. VOLUNTARY SEPARATIONS	27	66	61	154	27	75	67	169
11. EFFECTIVE HOUSING REQUIREMENTS	2097	10960	4353	17410	2111	9600	4695	16406
12. ADEQUATE HOUSING (a + b)	1654	8063	2449	12166	1773	8018	3447	13238
a. UNDER MILITARY CONTROL	525	3718	26	4269	633	3474	874	4981
(1) Housed in Existing DOD Owned/Controlled	523	3463	26	4012	633	2978	658	4269
(2) Under Contract/Approved					0	496	216	712
(3) Vacant	2	48	0	50				
(4) Inactive	0	207	0	207				
b. PRIVATE HOUSING	1129	4345	2423	7897	1140	4544	2573	8257
(1) Acceptably Housed	1112	4309	2342	7763	1112	4309	2342	7763
(2) Vacant Rental Housing	17	36	81	134	28	235	231	494
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	443	2897	1904	5244	338	1582	1248	3168
14. PROPOSED PROJECT					0	112	0	112
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				30.0%	37.4%	18.6%	31.0%
	b. ALL HOUSING				84.0%	84.7%	73.4%	81.4%

16. REMARKS (Specify item number)

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,

DD Form 1523, NOV 85 — Previous editions are obsolete.

(Continued on reverse)

16. REMARKS (Continued)

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 inclu[illegible] the FY88 budget submission and 332 units included in the FY89 h[illegible] submission.

Line 12.h.(2): Cols. e through g reflect anticipated growth in community assets.

Project Composition

112 Enlisted Units	58 3-bedroom JEM
	54 3-bedroom SEM
	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
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 88	1400	15331	4835	1	0	0	131	1268	0	22966
b. END FY 19 93	1240	12794	4822	1	0	0	131	1268	0	20256

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	24,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	27,467
g. REMAINING DEFICIENCY	25,004
h. GRAND TOTAL	211,887

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	300	24,900	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 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SIATION LONG BEACH, CA	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-614	24,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	300	53,737	16,121
BUILDINGS	SF	294,000	54.81	(16,121)
SOLAR SYSTEM	FA			(0)
SUPPORTING COSTS:				6,360
PAVING & SITE IMPROVEMENTS				(2,869)
UTILITIES				(2,418)
LANDSCAPING				(396)
RECREATION				(193)
SPECIAL CONSTRUCTION FEATURES				(484)
DEMOLITION				(0)
SUB TOTAL				22,481
CONTINGENCY (5%)				1,124
TOTAL CONTRACT COST				23,605
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				1,298
TOTAL REQUEST				24,903
TOTAL REQUEST (ROUNDED)				24,900

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. This includes the replacement of 254 substandard units. (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. Against this backdrop, Section 2736 of Public Law 99-661 authorized the exchange of a portion of the Navy's Savannah Housing area to the City of Long Beach for an adjacent vacant parcel of City-owned land. This housing area features 254 single-story, duplex structures built in 1940. These units are aging, small and obsolete. This project proposes to execute the authorized land exchange and accomplish the replacement of these substandard units. In addition, 46 units will be constructed to help offset the deficit. The navy will benefit in that more land would be gained than would be given up, which is a critical consideration in this area where Government-owned land is scarce. Moreover, substandard units will be removed from the inventory.

IMPACT IF NOT PROVIDED: The Navy will continue to own 254 substandard family housing units. Absent the authority to replace these units, the Navy will continue to operate and maintain these units in order to keep them occupied. Continued operation and maintenance of these units is not economical compared to replacement. 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) 880915	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 1988			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E5-E9 (b)	E1-E4 (c)	TOTAL (d)	OFFICER (e)	E5-E9 (f)	E1-E4 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1531	10487	6112	18130	1371	9207	4822	15400
7. PERMANENT PARTY PERSONNEL	1400	9655	5676	16731	1240	8375	4419	14034
8. GROSS FAMILY HOUSING REQUIREMENTS	917	6161	1213	8291	807	5360	915	7082
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	112	1926	591	2629				
a. INVOLUNTARILY SEPARATED	31	349	158	538				
b. UNACCEPTABLY HOUSED-MILITARY ASSETS	0	181	73	254				
c. UNACCEPTABLY HOUSED-COMMUNITY ASSETS	81	1396	360	1837				
10. VOLUNTARY SEPARATIONS	244	1627	264	2135	215	1415	199	1829
11. EFFECTIVE HOUSING REQUIREMENTS	673	4534	949	6156	592	3945	716	5253
12. ADEQUATE HOUSING (a + b)	576	2756	431	3763	573	3320	431	4324
a. UNDER MILITARY CONTROL	194	1399	0	1593	194	1999	0	2193
(1) Housed in Existing DOD Owned/Controlled	176	1364	0	1540	194	1399	0	1593
(2) Under Contract/Approved					0	600	0	600
(3) Vacant	18	35	0	53				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	382	1357	431	2170	379	1321	431	2131
(1) Acceptably Housed	379	1321	431	2131	379	1321	431	2131
(2) Vacant Rental Housing	3	36	0	39	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	97	1778	518	2393	19	625	285	929
14. PROPOSED PROJECT					0	300	0	300
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				32.8%	58.3%	0.0%	47.5%
	b. ALL HOUSING				96.8%	91.8%	60.2%	88.0%

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)

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
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	0	104	317	0	7318
b. END FY 19 93	398	2175	4465	0	0	0	84	424	0	7546

7. INVENTORY DATA (000)	
a. TOTAL ACREAGE 47,945	
b. INVENTORY TOTAL AS OF 30 SEP 1988	47,945
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	480
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	48,425

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST (000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
714-30	Family Housing Office	5,000 SF	480.0	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.

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PACIFIC MISSILE TEST CENTER POINT MUGU, CA	HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-30	HC-01-87	480

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HOUSING OFFICE	SF	5,000	80.96	405
SUPPORTING FACILITIES	LS	-	-	29
SUBTOTAL	-	-	-	433
CONTINGENCY (5%)	-	-	-	22
TOTAL CONTRACT COST	-	-	-	455
SUPERVISION, INSPECTION & OVERHEAD (5.5%)	-	-	-	25
TOTAL REQUEST	-	-	-	480

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a Family Housing Office at Pacific Missile Test Center (PMTC), Point Mugu, California. The 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 customers.

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 1991 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	69797	17780	1360	19525	0	332	4251	0	101423
b. END FY 1993	8448	67364	17775	1517	21670	0	386	4588	0	101748

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	3,093
b. INVENTORY TOTAL AS OF 30 SEP 1988	304,017
c. AUTHORIZATION NOT YET IN INVENTORY	97,988
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	31,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	53,358
g. REMAINING DEFICIENCY	401,280
h. GRAND TOTAL	888,480

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	300	31,850	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	31,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	300	68,957	20,687
BUILDINGS	SF	382,500	54.08	(20,687
SOLAR SYSTEM	FA			(0
SUPPORTING COSTS:				8,061
PAVING & SITE IMPROVEMENTS				(3,380
UTILITIES				(2,800
LANDSCAPING				(1,020
RECREATION				(240
SPECIAL CONSTRUCTION FEATURES				(621
DEMOLITION				(0
SUB TOTAL				28,748
CONTINGENCY (5%)				1,437
TOTAL CONTRACT COST				30,185
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				1,660
TOTAL REQUEST				31,845
TOTAL REQUEST (ROUNDED)				31,850

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	3	1200	1.1268	$48.00	150	9,735
JEM	4	1350	1.1268	$48.00	150	10,952
					300	20,687

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	150 3-bedroom JEM
	150 4-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	19,600
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	36,575
h. GRAND TOTAL	172,347

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	150	19,600	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	19,600

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:				5,142
PAVING & SITE IMPROVEMENTS				(2,585)
UTILITIES				(1,883)
LANDSCAPING				(210)
RECREATION				(150)
SPECIAL CONSTRUCTION FEATURES				(314)
DEMOLITION				(0)
SUB TOTAL				17,690
CONTINGENCY (5%)				885
TOTAL CONTRACT COST				18,575
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				1,022
TOTAL REQUEST				19,597
TOTAL REQUEST (ROUNDED)				19,600

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. (New mission.)
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 commuting 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&T(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	460	2707	390	3557
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	311	2249	42	2602
a. UNDER MILITARY CONTROL	176	485	0	661	202	1941	0	2143
(1) Housed in Existing DOD Owned/Controlled	138	457	0	595	176	447	0	623
(2) Under Contract/Approved					26	1494	0	1520
(3) Vacant	38	28	0	66				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	1	78	10	89	109	308	42	459
(1) Acceptably Housed	1	78	10	89	55	78	26	159
(2) Vacant Rental Housing	0	0	0	0	54	230	16	300
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	-33	151	14	132	3	220	332	555
14. PROPOSED PROJECT					0	150	0	150
15. TOTAL [illegible] ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF [illegible] EFFECTIVE REQUIREMENTS	a. MILITARY				64.3%	84.7%	0.0%	72.6%
	b. ALL HOUSING				99.0%	97.2%	11.2%	87.2%

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 JFM
	100 4-bedroom SEM
	150 Total Units

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, 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 1993	1084	10532	426	186	1320		57	429		14034

7. INVENTORY DATA ($000)	
a. TOTAL ACREAGE	11,907
b. INVENTORY TOTAL AS OF 30 SEP 1988	53,007
c. AUTHORIZATION NOT YET IN INVENTORY	370
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	53,377

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
714	Family Housing Office	4,000 SF	370.0	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: 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.

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO.

S/N 0102-LF-001 3001

1. COMPONENT	FY 191__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AMPHIBIOUS BASE LITTLE CREEK, NORFOLK, VA	HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-30	HC-02-88	370

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 (5.5%)	-	-	-	19
TOTAL REQUEST	-	-	-	370

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 1991 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 (0000)	
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	830
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	41,713
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	258,519

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST (000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
714	Family Housing Community Center	5,000 SF	415.0	4/89	11/90
714	Family Housing Community Center	5,000 SF	415.0	4/89	11/90

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: PWC Norfolk provides public works, utilities, family housing, transportation support, engineering services, shore facilities planning support, and all other logistic support of a publics works nature for operating forces in the Sewells Point Complex.

DD FORM 1 DEC 78 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	HC-50-79	415

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 (5.5%)	-	-	-	22
TOTAL REQUEST	-	-	-	415

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 approximately 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 PROVIDED: The South Annex Complexes will continue to lack facilities to support community social and recreational functions. This will continue to have an adverse effect on 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 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	HC-20-84	415

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 (5.5%) .	-	-	-	22
TOTAL REQUEST	-	-	-	415

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 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 facilties. Is 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 highly traveled 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-21-84

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 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	0	0	0	138	505	0	1785
b. END FY 19 93	78	950	182	0	0	0	184	627	0	2021

7. INVENTORY DATA (ISSOO)

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		374
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. GRAND TOTAL		35,231

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
714	Family Housing Office	2,300 SF	374.0	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: 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.

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION BERMUDA, WI	HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	714-30	HC-10-88	374

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 (5.5%)	-	-	-	19
TOTAL REQUEST	-	-	-	374

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 stationd a NAS Bermuda. The office not only assigns military quarters, but serves as a housing referral office as well. (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 a lot 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 contracts 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	MC-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".

S/N 0102-LF-001-3915

1. COMPONENT	FY 1991 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 1993	203	2438	406	0	0	0	100	669	0	3816

7. INVENTORY DATA (000)	
a. TOTAL ACREAGE	28,417
b. INVENTORY TOTAL AS OF 30 SEP 1988	99,044
c. AUTHORIZATION NOT YET IN INVENTORY	12,430
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	31,669
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	15,873
g. REMAINING DEFICIENCY	936
h. GRAND TOTAL	159,952

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing	254	31,669	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 1981 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION GUANTANAMO BAY, CUBA	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-803	31,669

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING:	FA	254	81,098	20,599
BUILDINGS	SF	261,100	78.89	(20,599)
SOLAR SYSTEM	FA			(0)
SUPPORTING COST:				7,990
PAVING & SITE IMPROVEMENTS				(3,873)
UTILITIES				(3,296)
LANDSCAPING				(237)
RECREATION				(247)
SPECIAL CONSTRUCTION FEATURES				(337)
SUB TOTAL				28,589
CONTINGENCY				1,429
TOTAL CONTRACT COST				30,018
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				1,651
TOTAL REQUEST				31,669

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	1.5778	$50.00	192	14,390
JEM	3	1200	1.5778	$50.00	40	3,787
JEM	4	1350	1.5778	$50.00	12	1,278
SEM	4	1450	1.5778	$50.00	10	1,144
					254	20,599

11. REQUIREMENTS: 1293 FA ADEQUATE: 995 FA SUBSTANDARD: 0 FA

Project: Construct 254 adequate family housing units for officer and personnel. (Current mission.)

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) 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(AR)1715
3. DOD COMPONENT: NAVY	4. REPORTING INSTALLATION: a. NAME: NS Guantanamo	b. LOCATION: Cuba	
5. DATA AS OF: 31 January 1988			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E6-E9 (b)	E1-E5 (c)	TOTAL (d)	OFFICER (e)	E6-E9 (f)	E1-E5 (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	995	0	1253
a. UNDER MILITARY CONTROL	244	884	0	1128	258	995	0	1253
(1) Housed in Existing DOD Owned/Controlled	244	884	0	1128	244	884	0	1128
(2) Under Contract/Approved					14	111	0	125
(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	298	33	366
14. PROPOSED PROJECT					0	254	0	254
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				88.1%	96.6%	0.0%	93.1%
	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)

16. REMARKS (Continued)

Project Composition

254 Enlisted Units	192 2-bedroom JEM
	40 3-bedroom JEM
	12 4-bedroom JEM
	10 4-bedroom SEM
	254 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 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 19 93	304	2769	113	0	0	0	115	345	0	3646

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 43,340	
b. INVENTORY TOTAL AS OF 30 SEP 1988	100,514
c. AUTHORIZATION NOT YET IN INVENTORY	71,454
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	27,200
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	30,611
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	10,800
h. GRAND TOTAL	240,399

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	SCD STATUS START	SCD STATUS COMPLETE
711	Family Housing	112	27,200	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 1981 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL AIR STATION KEFLAVIK, ICELAND	FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
	711	H-812	27,200

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:				6,000
PAVING & SITE IMPROVEMENTS				(2,676)
UTILITIES				(2,694)
LANDSCAPING				(260)
RECREATION				(186)
SPECIAL CONSTRUCTION FEATURES				(184)
DEMOLITION				(0)
SUB TOTAL				24,584
CONTINGENCY (5%)				1,229
TOTAL CONTRACT COST				25,813
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)				1,420
TOTAL REQUEST				27,233
TOTAL REQUEST (ROUNDED)				27,200

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	5,743
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. (Current mission.)

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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 separated 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: 1991
REPORT CONTROL SYMBOL: DD-A&AM(A)1776

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)	E1-E4 (b)	E5-E9 (c)	TOTAL (d)	OFFICER (e)	E1-E4 (f)	E5-E9 (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 + d)	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) Acceptable Housing	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

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

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
CONSTRUCTION IMPROVEMENTS

(In Thousands)

FY 1991 Program $45,951
FY 1990 Program $42,086

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.

Authorization is requested for:

(1) Various improvements to existing family housing; and

(2) Appropriation of $45,951,000 to fund these improvements.

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	FAMILY HOUSING IMPROVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
--	711	VARIES	$45,951

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING - ALTERATIONS, ADDITIONS AND REHABILITATIONS	L/S	--	--	45,951
TOTAL REQUEST				45,951

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 AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
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.	2,899.3
CALIFORNIA	
MCB Camp Pendleton Improvements to 1,176 officer and enlisted units. Provides for galvanized metal gutters, downspouts, stops and splash pads at front and rear entrances.	1,069.0
MCB Camp Pendleton Improvements to 170 enlisted units. Provides for new kitchen cabinets, patio enclosures, and reconfiguring the dining and kitchen areas to create a family room. Includes an additional $6,972.2K of concurrent repairs. (See Separate DD Form 1391.)	670.0
MCAS Tustin Improvements to 861 enlisted units. Provides for the installation of a six foot high block wall fence.	147.0
NS Long Beach Improvements to 111 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.	1,029.4

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
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.	319.7
NPGS Monterey Improvements to 278 officer units. Provides for installation of bathroom vanities.	206.4
PWC San Diego Improvements to 217 enlisted units, Phase II. Provides for dishwashers and additional kitchen cabinets.	429.3
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.	248.5
PWC San Francisco Improvements to 560 officer and enlisted units. Provides for privacy fencing and garbage enclosures.	1,643.2
PWC San Francisco Improvements to 260 officer and enlisted units. Provides for privacy fencing.	471.7
PWC San Francisco Improvements to 30 enlisted units. Provides for construction of carports, patio slabs and privacy fencing.	502.8

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
CONNECTICUT	
NSB New London Improvements to 150 enlisted units. Provides for fire rated walls in place of existing furnace room doors and new exterior doors to replace interior doors, wired smoke detectors, bathroom exhaust/light fixtures, ducted range hoods, dishwashers, ground fault interrupter receptacles, energy efficient light fixtures in kitchens, bathrooms and basements, and an expanded parking area.	397.8
NSB New London Improvements to 500 officer and enlisted units. Provides for exterior storage sheds.	969.3
FLORIDA	
NS Mayport Improvements to one flag unit. Provides for a screen porch including site work, installation and finishings.	8.8
NS Mayport Improvements to 10 officer units. Provides for screen porches including site work, installation, and finishing.	50.1
NS Mayport Improvements to 669 officer and enlisted units. Provides for screen porches including site work, installation, and finishing.	3,351.8
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.	102.0

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
NCSC Panama City Improvements to five officer units. Provides for heat pump supply well. Includes drilling four inch diameter supply well, installing pump, constructing an equipment house, installing pressure tanks, and connecting water supply to units.	25.1
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	
MCLB Albany Improvements to 270 officer and enlisted units, Phase II. Provides for installation of blown-in insulation.	285.0
ILLINOIS	
NAS Glenview Improvements to 19 trailer pads. Provides for expansion of the trailer park by relocating 19 of the 37 trailer pads (every other one) to the opposite side of the street. Includes removing 19 old pads, constructing 19 new pads, providing electrical, water and sewer services, constructing sidewalks and widening the streets.	669.4

1. COMPONENT	FY 19__9__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
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 $3,620.1K of concurrent repairs. (See Separate DD Form 1391.)	5,624.5
LOUISIANA	
NAS New Orleans Improvements to 15 enlisted units. Provides for fascia and soffit vinyl sidings.	84.2
MARYLAND	
NSF Thurmont Improvements to 21 officer and enlisted units. Provides for ductwork insulation, smoke detectors, central air conditioning, improved electrical distribution system, kitchen reconfiguration to include installation of new dishwashers and added cabinet space. Includes an additional $720.5K of concurrent repairs. (See Separate DD Form 1391.)	182.4
MASSACHUSETTS	
DODFHF Westover 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	538.7

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

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
DODFHF Westover (Continued) 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 Improvements to 240 officer and enlisted units. Provides for construction of sidewalks.	189.0
NEVADA	
NAS Fallon 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 $96.8K of concurrent repairs. (See Separate DD Form 1391.)	33.6
NEW YORK	
NS New York 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 exhuast fans. Includes resilient surfacing around playground equipment, additional playground equipment, shrubbery, screening and pads for dumpsters.	4,502.9
NORTH CAROLINA	
MCB Camp Lejeune Improvements to 189 officer and enlisted mobile home spaces. Provides for enlarging patios, construction of carports and storage buildings.	781.0

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

3. INSTALLATION AND LOCATION

NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
MCAS Cherry Point Improvements to 42 officer and enlisted units. Provides for out door recreational patios.	382.0
PENNSYLVANIA	
NS Philadelphia 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.	3,787.4
NADC Warminster 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.	35.9
RHODE ISLAND	
NETC Newport 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.	1,484.9
SOUTH CAROLINA	
NWS Charleston Improvements to mobile home park. Provides for an addition of 92 concrete runners to support sinking slabs and an additional 14 concrete slabs.	33.6

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
TENNESSEE	
NAS Memphis Improvements to 486 enlisted units. Provides for widening two streets and installation of nine speed breakers.	31.0
VIRGINIA	
PWC Norfolk Improvements to 225 enlisted units. Provides for improved exterior door and window locks.	190.4
PWC Norfolk Improvements to 609 enlisted units. Provides for landscaping including shade trees, flowering trees, and shrubbery.	270.7
PWC Norfolk Improvements to 257 enlisted units. Provides for improved exterior door and window locks, relocation of porch lights and installation of house numbers.	190.8
PWC Norfolk Improvements to 114 enlisted units. Provides for landscaping to include shade trees, flowering trees, and shrubbery.	124.4
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
PWC Norfolk Improvements to one officer unit. Provides for disconnection of utilities, demolishing existing quonset hut, and constructing a 1-1/2 car garage.	18.0
MCB Quantico Improvements to six enlisted units. Provides for concrete patios with sun shades.	53.0

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
INSIDE THE UNITED STATES	
NSGA Northwest Improvements to 24 enlisted units. Provides for kitchen area expansion, installation of dishwashers, garbage disposals, ducted range hoods, 40-gallon electric water heaters, heat pumps, detached exterior storage sheds, soffit vents, and pressure relief valves for hot water mains.	894.4
NSGA Northwest Improvements to 51 officer and enlisted units. Provides for dishwashers, bathroom vanities, utility room shelves, and kitchen fluorescent lighting fixtures.	92.3
NAVHOSP Portsmouth Improvements to one installation commander quarters. Provides for vanities, bathroom exhaust fans, electrical smoke detectors, additional receptacles, fluorescent lighting, and improved electrical system. Includes an additional $80.4K of concurrent repairs. (See Separate DD Form 1391.)	1.7
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.)	1,762.0

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

3. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS
INSIDE AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	5. PROJECT NUMBER
FAMILY HOUSING IMPROVEMENTS	

INSTALLATION/LOCATION/PROJECT DESCRIPTION	($000) CURRENT WORKING ESTIMATE
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.	971.2
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.	819.4
JAPAN	
MCAS Iwakuni Improvements to 44 officer and enlisted units. Provides for carpeting with cushioning in all family housing living spaces with the exception of the kitchen and bathrooms.	375.0
MARIANAS	
PWC Guam Improvements to 53 officer and enlisted units. 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.	3,011.4
PHILIPPINES	
PWC Subic Bay Improvements to 34 officers quarters. Provides for clothes lines, dishwashers, trash enclosures, and lowered ceilings in kitchen, living room, dining room, and bedrooms. Includes installation of meter base panels, electrical receptacles, and additional landscaping. Includes an additional $1,291.1K of concurrent repairs. (See Separate DD Form 1391.)	522.0

1. COMPONENT	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	3. DATE
NAVY		

2. INSTALLATION AND LOCATION
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS
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	736.3
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 $1,067.9W of concurrent repairs. (See Separate DD Form 1391.)	
SPAIN	
NS Rota	2,534.0
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.	

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MARINE CORPS BASE CAMP PENDLETON, CA	WHOLEHOUSE IMPROVEMENTS/REPAIRS WWIII

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711	PE-H-187-R2/ PE-H-138-M2	$7,642.2

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	LS			670.0
CONCURRENT REPAIRS AND MAINTENANCE	LS			6,972.2
TOTAL REQUEST (ROUNDED)				7,642.2
Area Cost Factor = 1.19				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project will improve units by installing new cabinets, patio enclosures and reconfiguring dining and kitchen areas to create a family room. Repairs will correct landscaping deficiencies, replace fencing, windows, doors, screens, replaster, re-insulate, refinish bathrooms and laundry rooms, replace plumbing, lighting, rewire and repair walls. Paint the interior and exterior of units.

11. REQUIREMENT: This project will provide major repairs and improvements to 170 Wire Mountain III area units.

CURRENT SITUATION: Wire Mountain III was constructed in 1964 and requires major repairs to prevent further deterioration. Improvements and reconfigurations will convert the units to current standards of living.

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.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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-I-86 PHASE I	$9,244.6

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	178	31,598	5,624.5
CONCURRENT REPAIRS AND MAINTENANCE	EA	178	20,338	3,620.1
	EA	178	51,936	9,244.6
TOTAL REQUEST				9,244.6
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	

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	

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
NAVY		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL SUPPORT FACILITIES THURMONT, MD	WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 21 OFFICER/ENLISTED UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711	HC-01-87 HR-01-87	$ 902.9

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	21	8,686	182.4
CONCURRENT REPAIRS AND MAINTENANCE	EA	21	34,310	720.5
	EA	21	42,996	902.9
TOTAL REQUEST				902.9
Area Cost Factor = 0.95				

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Improvements to 21 officer and enlisted units. Improvements: Provides for crawl-space insulation in five units, ductwork insulation, reconfiguration of kitchens to include dishwashers, additional kitchen cabinets, improved electrical distribution system and additional electrical circuits. Improvements also consist of hard wired smoke detectors, central air conditioning, relocation of the washers and dryers from the kitchens to utility rooms. Quarters "A" will be reconfigured to accommodate an added bedroom. Repair work includes replacement of bathroom floors, tubs, water closets, sinks, vanities and wall tiles. The exterior doors, hardware and frames, windows, kitchen cabinets, furnaces, and access roadway will also be replaced.

11. REQUIREMENT: Improve the living conditions of 21 officer and enlisted families assigned to NSF Thurmont.

CURRENT SITUATION: These units were built in the early 1960's and have received little interior renovation. There is no insulation in the crawl-space area of five units. Cold damp air permeates these units during the winter months. Kitchens are twenty-eight years old and are inadequate due to lack of proper modern day appliances. There is insufficient storage space. Kitchens lack dishwashers and have an insufficient number

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

3. INSTALLATION AND LOCATION
NAVAL SUPPORT FACILITIES
THURMONT, MD

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

of properly grounded electrical receptacles. The electrical system is being over-loaded due to lack of adequate circuitry. Smoke detectors are battery operated. Heating systems are original oil fired furnaces. These furnaces require an extensive amount of maintenance and units are very uncomfortable during the summer months. There is no air conditioning. Quarters "A" has a modified 3rd bedroom which does not have closet space and is undersized. Bathroom floors and wall tiles are deteriorated, marred and have reached the end of their economic life. Bathroom tubs, water closets, sinks and vanities are old and deteriorated, finishes are discolored and surfaces are hard to clean. Exterior doors are not weathertight, sills not level, frames are cracked, hardware deteriorated, window sash and frames are deteriorated, sash cords are broken, windows fit poorly, are difficult to open and close and waste energy. Kitchen cabinets are old, have been painted numerous times, and the doors are difficult to open and close. The access roadway surface is spalled, cracked and settled, base course has failed, which causes added inconvenience to occupants.

IMPACT IF NOT PROVIDED: Improvements/Repairs: Deterioration of stated items will continue, and will be a principal source of discontent to the occupants. Units will continue to waste energy and have excessive maintenance costs increasing occupant inconvenience. Safety will be compromised with the extensive use of electrical extension chords. Occupants will continue to be exposed to potential electrical hazards. Quarters "A" will continue to be the only unit with an undersize third bedroom. Units and supporting systems will continue to be used as is with increased long term maintenance and repair problems.

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	$ 130.4

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	1	33,600	33.6
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	96,800	96.8
			130,400	130.4
TOTAL REQUEST				130.4
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, construction of a combination utility and laundry room, conversion of the present utility room into a storage room. Repairs include replacement of the heating system, septic tanks, water heater, sprinkler system, and correction of drainage problems.

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. The present laundry area is located in a separate building, is subject to freezing in cold weather and is extremely inconvenient during inclement weather. 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 diningroom 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. Existing metal septic tanks

DD FORM 1 DEC 78 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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	

are rusted and do not process sewage properly before liquids are distributed to leach field for percolation into soil. Septic tanks have had to be pumped several times to remove build up of solids. 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. Sprinkler system is old and does not provide proper coverage. Yard drainage is in poor condition creating standing water next to the unit which creates structural problems and a mosquito habitat. 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. Structural problems to the unit could be encountered unless the sprinklers and drainage problems are corrected to keep water away from the unit. Occupant inconvenience will be exacerbated due to insufficient kitchen cabinets, lack of electrical outlets and the absence of privacy afforded by a powder room. Laundry facilities will remain outside the main dwelling unit continuing inconvenience and posing a possibly injurious situation with the risk of freezing of the laundry room including costly damage to occupant washing machine. Personal property will continue to be stored under unsuitable conditions in the garage.

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL HOSPITAL PORTSMOUTH, VIRGINIA	IMPROVEMENTS/REPAIRS TO QTRS "A" (ICO)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-44	HC-11-85 HR-02-85	$ 82.1

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING - IMPROVEMENTS	EA	1	1,700	1.7
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	80,400	80.4
	EA	1	82,100	82.1
TOTAL REQUEST				82.1

10. DESCRIPTION OF PROPOSED CONSTRUCTION

IMPROVEMENTS: Includes the provision of vanity dressing tables, bathroom exhaust fans, smoke detectors on the 2nd and 3rd floors, an additional receptacle in the serving area, and a flourescent light fixture in the serving area.

REPAIRS: Repair work includes the replacement of deteriorated porch flooring, metal porch roof, gutters, downspouts, roof skylight, porch columns (4), porch column bases (3), and the repair of rotting wood porch paneling and wood trim. Also included is the refinishing of interior and exterior woodwork and doors and the repair of exterior stucco (by sandblasting and repainting). Mechanical repairs include the replacement of leaking or deteriorated bathtub fittings. The inefficient and troublesome steam generated hot water heating system will be replaced with a ducted heat pump system. Electrical repairs consist of the provision of electrical service to the heat pump system and minor repairs to certain electrical devices. Heat pump air conditioning will replace current window air conditioning units.

11. REQUIREMENT: Improve the living condition of the quarters assigned to the Installation Commander.

CURRENT SITUATION: The lack of a bathroom storage area and mechanical ventilation is a source of occupant dissatisfaction. Insufficient distribution of smoke detectors is a potential hazard in the event of a

1. COMPONENT	FY 19 81 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION

NAVAL HOSPITAL, PORTSMOUTH, VIRGINIA

4. PROJECT TITLE	5. PROJECT NUMBER
Improvements/Repairs to Qtrs "A" (ICQ)	HC11-85 HR2-86

fire. The preparation of meals is impaired by the absence of certain electrical outlets in the serving area. Deteriorated roofs and leaking plumbing are causing structural damage to the quarters. Woodwork and exterior stucco are unsightly and impractical to maintain. Heating systems are very costly to operate and require excessive maintenance. Improper electrical grounding is a hazard to the occupant. Window air conditioning units are inefficient and require constant maintenance.

IMPACT IF NOT PROVIDED: The Installation Commander will continue to occupy quarters which lack certain amenities normally provided at this level and will also continue to occupy quarters which are deficient and not appropriate for this level of responsibility. Further structural damage can be anticipated and operation/maintenance costs will escalate if these repairs are delayed.

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	$6,058.6

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	100	17,620	1,762.0
CONCURRENT REPAIRS AND MAINTENANCE	EA	100	42,966	4,296.6
	EA	100	60,586	6,058.6
TOTAL REQUEST				6,058.6
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	

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	

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
PUBLIC WORKS CENTER, SUBIC BAY REPUBLIC OF THE PHILIPPINES	WHOLESITE IMPROVEMENT/REPAIR TO 34 OFFICER UNITS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
IMPROVEMENTS	711-32/33	HC/R-4-91	$1,813.1

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	34	15,353	522.0
CONCURRENT REPAIRS AND MAINTENANCE	EA	34	37,974	1,291.1
			53,327	1,813.1
TOTAL REQUEST				1,813.1
Area Cost Factor = 0.9				

10 DESCRIPTION OF PROPOSED CONSTRUCTION

This project encompasses wholehouse and site improvements to 34 officer units. Improvements: Provides for vehicle barriers to individual parking spaces, clothes lines, dishwashers, enclosement of trash area in rear of units, drop ceilings to kitchen, living room, dining room, and bedroom, meter base panels, ground fault interrupter receptacles to kitchen and garage areas, removal of trees, and stumps, and reinforce retainment walls. Repairs: Replace deteriorated venetian blinds, drapery rods, interior doors, exterior screen doors, mismatched floor tiles, kitchen cabinets, warped wall paneling, lavatory cabinet, gutters and downspouts, splash blocks, light fixtures, disconnet switches, and doorbell systems.

11. REQUIREMENT: Vehicle barriers would prevent tennants from pulling their vehicle on to grass areas. Clothes lines will allow tenants to dry clothes outdoors, thus saving electricity. Enclosure of trash area will make units more sitely. Provision of new ceilings will enhance the asthethic condition of units. Kitchens and baths receptacles should be brought up to NEC Code through addition of ground fault interrupter receptacles. Removal of stumps, trees, and vegetation will improve exterior grounds. Venetian blinds and curtain rods need to be replaced in order to operate efficiently. Floor tiles and kitchen cabinets should be made to match. Gutters, downspouts, and splash blocks will allow for proper drainage. Light fixtures and diconnect switches need to be brought up to date. Malfunctioning doorbell systems need to be replaced. Wall hung sinks are not compatible with vanities.

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

3. INSTALLATION AND LOCATION
PUBLIC WORKS CENTER, SUBIC BAY
REPUBLIC OF THE PHILIPPINES

4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVEMENTS	

CURRENT SITUATION: Improvements/Repairs: Tenants pull vehicles into yard killing existing grass. Tenants in an extremely warm climate can not dry clothes outside. All dishes must be done by hand. Ceilings are cracked and paint is peeling. Insufficient number of electrical receptacles. Landscape is dangerous and unsitely. Venetian blinds and curtain rods will not open and close properly. Interior and exterior doors are deteriorated beyond repair. Different colors and styles of floor tiles and kitchen cabinets are an eyesore. Drainage of water is collecting around base of unit thus escalating maintenance expenditure. Disconnect switches are not modern enough to handle electrical load placed on them. Doorbell system is inoperative.

IMPACT IF NOT PROVIDED: Inaction will hasten further deterioration, compound future costs and magnify disparities with newer units. Occupant and command complaints will intensify. Utilization rates will suffer.

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

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NAVAL STATION ROOSEVELT ROADS, PUERTO RICO	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	$1,804.2

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FAMILY HOUSING IMPROVEMENTS	EA	32	23,009	736.3
CONCURRENT REPAIRS AND MAINTENANCE	EA	32	33,372	1,067.9
	EA	32	56,381	1,804.2
TOTAL REQUEST				1,804.2
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.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
ARCHITECTURAL AND ENGINEERING SERVICES
AND CONSTRUCTION DESIGN

(In Thousands)

FY 1991 Program $1,500
FY 1990 Program $1,000

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 $1,500,000 to fund new construction and improvement program 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	$1,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
A&E SERVICES & CONSTRUCTION DESIGN		--	--	1,500
NEW CONSTRUCTION	L/S	--	--	(1,080)
IMPROVEMENTS	L/S	--	--	(420)
TOTAL REQUEST				1,500

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.

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, 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 626,107
FY 1990 Program 600,766

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 c' ning.

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 $614,014,000. This amount, together with estimated reimbursements of $12,093,000 will fund the Fiscal Year 1991 program of $626,107,000.

A summary of the funding program for Fiscal Year 1991 follows (in thousands):

	Appropriation Request					
	Operations	Utilities	Maintenance	Total	Reimbursements	Total Program
Navy	$ 98,970	146,422	261,303	506,695	10,393	517,088
Marine Corps	$ 17,908	36,673	52,738	107,319	1,700	109,019
Total DON	$116,878	183,095	314,041	614,014	12,093	626,107

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.

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
OPERATION AND MAINTENANCE SUMMARY
NAVY AND 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. Conterminous U.S.	78,663	80,528
b. U.S. Overseas	5,981	5,981
c. Foreign	9,730	9,743
d. Worldwide	94,374	96,252

	FY 1989 Estimate		FY 1990 Estimate		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	45,641	492	51,018	541	56,218	584
b. Services	33,442	360	35,709	378	37,296	387
c. Furnishings	15,710	169	18,688	198	22,546	234
d. Miscellaneous	441	5	787	8	818	8
Subtotal - Operations	95,234	1,026	106,202	1,125	116,878	1,214
2. Utilities	172,680	1,861	177,923	1,885	183,095	1,902
3. Maintenance						
a. Maint. & Repair of Dwellings	207,609	2,238	254,003	2,691	261,714	2,719
b. Maint. & Repair of Other Real Property	34,709	374	42,436	450	43,688	454
c. Alts. & Addns.	6,445	69	8,285	88	8,639	90
Subtotal - Maintenance	248,763	2,681	304,724	3,229	314,041	3,263
4. Total, O&M Expenses (TOA)	516,677	5,569	588,849	6,240	614,014	6,379
5. Appropriation	516,677	5,569	588,849	6,240	614,014	6,379
6. Reimbursements	11,563	125	11,917	126	12,093	126
7. Total Program	528,240	5,693	600,766	6,366	626,107	6,505

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
OPERATION AND MAINTENANCE
NAVY

(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. Conterminous U.S.	57,165	58,530
b. U.S. Overseas	5,981	5,981
c. Foreign	9,274	9,274
d. Worldwide	72,420	73,785

	FY 1989 Estimate		FY 1990 Estimate		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	37,842	531	43,106	595	48,081	652
b. Services	26,280	369	28,584	395	29,895	405
c. Furnishings	12,982	182	16,360	226	20,176	273
d. Miscellaneous	441	6	787	11	818	11
Subtotal - Operations	77,545	1,088	88,837	1,227	98,970	1,341
2. Utilities	138,304	1,941	142,345	1,966	146,422	1,984
3. Maintenance						
a. Maint. & Repair of Dwellings	164,555	2,309	209,870	2,898	216,881	2,939
b. Maint. & Repair of Other Real Property	27,754	389	35,400	489	36,583	496
c. Alts. & Addns.	5,945	83	7,585	105	7,839	106
Subtotal - Maintenance	198,254	2,782	252,855	3,492	261,303	3,541
4. Total, O&M Expenses (TOA)	414,103	5,811	484,037	6,684	506,695	6,867
5. Appropriation	414,103	5,811	484,037	6,684	506,695	6,867
6. Reimbursements	10,063	141	10,267	142	10,393	141
7. Total Program	424,166	5,953	494,304	6,826	517,088	7,008

DEPARTMENT OF THE NAVY
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE
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. Conterminous U.S.	21,498	21,998
b. U.S. Overseas	0	0
c. Foreign	456	469
d. Worldwide	21,954	22,467

	FY 1989 Estimate		FY 1990 Estimate		FY 1991 Estimate	
	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)	Total Cost ($000)	Unit Cost ($)
B. Funding Requirements						
1. Operations						
a. Management	7,799	362	7,912	360	8,137	362
b. Services	7,162	333	7,125	325	7,401	329
c. Furnishings	2,728	127	2,328	106	2,370	105
d. Miscellaneous	0	0	0	0	0	0
Subtotal - Operations	17,689	822	17,365	791	17,908	797
2. Utilities	34,376	1,597	35,578	1,621	36,673	1,632
3. Maintenance						
a. Maint. & Repair of Dwellings	43,054	2,000	44,133	2,010	44,833	1,996
b. Maint. & Repair of Other Real Property	6,955	323	7,036	327	7,105	323
c. Alts. & Addns.	500	23	700	32	800	36
Subtotal - Maintenance	50,509	2,347	51,869	2,363	52,738	2,347
4. Total, O&M Expenses (TOA)	102,574	4,766	104,812	4,774	107,319	4,777
5. Appropriation	102,574	4,766	104,812	4,774	107,319	4,777
6. Reimbursements	1,500	70	1,650	75	1,700	76
7. Total Program	104,074	4,835	106,462	4,849	109,019	4,853

DEPARTMENT OF THE NAVY
FAMILY HOUSING - 1991 BUDGET ESTIMATE
JUSTIFICATION
NAVY

OPERATING EXPENSES

FY 1990	FY 1991
$88,837,000	$98,979,000

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	$48,081,000

Requirements and adjustments as follows:

	($M)
FY 1989 Estimate	37.8
Civilian personnel compensation	.9
Price increases	1.0
ADP procurement	.2
Implementation of Relocation Assistance program	2.1
New Housing Office	.1
Enhancement of Housing Referral Service	.6
Foreign Currency Repricing	.4
FY 1990 Estimate	43.1
Civilian personnel compensation	.9
Price increase	.4
Continued implementation of the Relocation Assistance Program	3.0
Foreign Currency Repricing	.7
FY 1991 Estimate	48.1

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT. Funding adjustments are proposed in the Family Housing Management Account for pay supplemental increases, continued implementation of the Navy sponsored program to provide relocation assistance to military families, and management of programs to acquire additional housing assets.

SERVICES

FY 1990	FY 1991
$28,584,000	$29,895,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	26.3
Annualized Foreign National Indirect hire pay increase	.1
New units on line	.5
Indirect support for fire and police	.9
Price increases	.8
FY 1990 Estimate	28.6
Price increases	.8
Indirect support for fire and police	.5
FY 1991 Estimate	29.9

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT. The services account proposes an increase using approved inflationary factors. Program increases are costs associated with providing fire and police protection, pest control, street cleaning, snow removal and refuse collection.

FURNISHINGS

FY 1990	FY 1991
$16,360,000	$20,176,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	13.0
Civilian personnel compensation	.1
Price increase	.6
Equipment for 538 Units provided by GOJ	.9
Expanded overseas loaner problem	.4
Reduce backlog of over-aged equipment	1.4
FY 1990 Estimate	16.4
Price increases	.5
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	20.2

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	$818,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	.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
$142,345,000	$146,422,000

	($M)
FY 1989 Estimate	138.3
New units coming on line	2.0
Price increases	2.0
FY 1990 Estimate	142.3
Price increase	1.9
Utilities for new units coming on line	2.2
FY 1991 Estimate	146.4

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
$252,855,000	$261,303,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	198.3
Reduce the backlog of maintenance and repair	47.6
Radon abatement repairs	2.8
Foreign currency PDM repricing	4.2
FY 1990 Estimate	252.9
Foreign currency repricing	5.0
Price increases	1.2
Reduce the backlog of maintenance and repair	2.2
FY 1991 Estimate	261.3

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT. Program increases in FY 1991 are for costs associated with reducing the backlog of deferred maintenance in over 72,000 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.

REIMBURSABLE AUTHORITY

FY 1990	FY 1991
$10,267,000	$10,393,000

	($M)
FY 1989 Estimate	10.1
Price increase	.2
FY 1990 Estimate	10.3
Price increase	.1
FY 1991 Estimate	10.4

RATIONALE FOR CHANGES IN THE REIMBURSABLE ACCOUNT. The reimbursable account proposes a small price increase due to inflation.

MARINE CORPS
JUSTIFICATION

OPERATING EXPENSES

FY 1990	FY 1991
17,365,000	17,908,000

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	8,137,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	7.8
Increased staffing for new units on line	.1
FY 1990 Estimate	7.9
Program increase for new units on line	.1
Civilian pay compensation	.1
FY 1991 Estimate	8.1

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
7,125,000	7,401,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	7.2
Projected audit cost savings	(.4)
Civilian personnel compensation	.3
FY 1990 Estimate	7.1
Civilian personnel compensation	.2
Price increase for indirect support costs for new units on line	.1
FY 1991 Estimate	7.4

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	2,370,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	2.7
Foreign currency repricing	.2
Program decrease in procurement of replacement furnishings	(.2)
Projected audit cost savings	(.4)
FY 1990 Estimate	2.3
New units on line	.1
FY 1991 Estimate	2.4

The Furnishings account request reflects a program increase 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
35,578,000	36,673,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	34.4
Foreign currency repricing	.2
Program increase for new units on line	.7
Price increases	.3
FY 1990 Estimate	35.6
New units on line	.8
Price Increases	.1
Currency Repricing	.2
FY 1991 Estimate	36.7

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 or constructed units. 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
51,869,000	52,738,000

Requirements and adjustments are as follows:

	($M)
FY 1989 Estimate	50.5
Civilian personnel compensation	.2
program increase for reduction of maintenance repair and escalating backlog	.6
Foreign currency repricing	.6
FY 1990 Estimate	51.9
Foreign currency repricing	.9
Projected audit cost savings	(.1)
FY 1991 Estimate	52.7

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 one activity.

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 Estimate	1.5
Increased collections for mobile home units	.2
FY 1990 Estimate	1.7
FY 1991 Estimate	1.7

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. Annual lease costs are separately identified. 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	TOTAL	IMPROVS
INSIDE THE UNITED STATES						
CALIFORNIA						
NPGS Monterey	A Lake Drive	900	3,900	68,000	72,800	0

Operations consist of management, services and furnishings. Maintenance and repairs include routine maintenance and major rehab. 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, NSC	2,400	5,200	117,500	125,100	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy work, and major repair. Work will provide a new service drop, distribution panel, new circuitry, receptacles, fixtures, and increased amperage. In addition, the project calls for the replacement of deteriorated domestic water and waste piping and fixtures. Field investigation found the wires behind one of the outlet cover plates to be burned. The cause of the power loss was isolated to a segment of underfloor wiring where the insulation had burned and the conductors had fused. Repairs were made to correct the immediate safety hazard; however, visual inspection showed numerous additions and modifications had been made to the house wiring over the years. Insulation on the older wiring shows signs of advanced deterioration. This, in conjunction with inadequate overload protection, poses a significant fire risk.

PWC San Francisco	1 Whiting Way	2,500	4,100	29,000	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.

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	TOTAL	IMPROVS
			INSIDE THE UNITED STATES			
PWC San Francisco	2 Whiting Way	1,500	4,200	28,000	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	13,000	5,000	185,000	203,000	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. 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. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.

NAVDISTWASH	D, WNY	10,700	4,200	241,700	256,600	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. 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. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.

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	TOTAL	IMPROVS
			INSIDE THE UNITED STATES			
NAVDISTWASH	E, WNY	8,500	5,200	243,500	257,200	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. 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. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.

NAVDISTWASH	N, WNY	6,600	3,200	198,000	207,800	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. 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. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.

NAVDISTWASH	V, WNY	5,600	5,800	257,600	269,000	0

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. 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. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.

1. COMPONENT	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	3. DATE
NAVY		

2. 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	TOTAL	IMPROVS
		INSIDE THE UNITED STATES				
FLORIDA						
NAVSTA Mayport	547 Osbourn Avenue	1,300	2,200	15,500	19,000	8,800

Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance. Budget includes funds for accomplishment of improvement project HC-4-79. This project encompases all work required to construct concrete pad and install aluminum screened patio.

LOUISIANA						
NAVSUPPACT New Orleans	A 101 Carmick	1,700	6,500	45,500	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 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 $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	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

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	TOTAL	IMPROVS

INSIDE THE UNITED STATES

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	D					
New Orleans	112 Constitution	2,000	5,000	45,500	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.

NAVSUPPACT	E					
New Orleans	102 Constitution	2,000	6,200	48,600	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	1	10,000	19,400	62,800	92,200	0
Annapolis	Buchanan					

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.

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	TOTAL	IMPROVS

INSIDE THE UNITED STATES

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 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	TOTAL	IMPROVS
OUTSIDE THE UNITED STATES						
JAPAN						
PWC Yokosuka	17 Halsey	1,600	8,800	40,600	51,000	0

Operations consist of management, services and furnishings. Maintenance and repairs will encompasses repairs to the master bath and two second floor guest baths, 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 rusted and the finishes on mirrors are deteriorated. Plumbing is deteriorated, calcified, and a maintenance problem. Light fixtures are unsuitable and dim. Electrical wiring is inadequate to meet current needs.

PWC Yokosuka	18 Halsey	1,600	12,300	47,400	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	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	TOTAL	IMPROVS
			OUTSIDE THE UNITED STATES			
UNITED KINGDOM						
COMNAVACT	Romany House	6,500	10,000	155,400	171,900	0

Operations consist of management, services and furnishings. Maintenance and repairs will provide for accomplishment of a major repair project. Work will repair and replace bathroom basins, vanities, etc.; reseal & replace floor tiles; repair floorboards; repair ceiling and wall cracks and plaster throughout; repair windows and wood frames; provide miscellaneous repairs to doors, cabinets, locks, etc; repair the heating and hot water system which is 25 years old; make electrical repairs throughout; repair gutters & fences

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USMC		

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	TOTAL	IMPROVS
			INSIDE THE UNITED STATES			
CALIFORNIA						
MCLB BARSTOW	1	2,900	4,000	48,500	55,400	0

Operations consist of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, replacement of patio roof and fencing.

VIRGINIA						
MCCDC QUANTICO	12	1,000	3,606	65,255	69,861	0

Operations consist 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, repair/repalcement of the heating insulation, replacement of windows, refinsih wood floors and exterior painting and caulking.

1. COMPONENT	FY 19<u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		

3. INSTALLATION AND LOCATION
NAVAL INSTALLATIONS,
VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES

4. PROJECT TITLE	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)
IN 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 $2,899,300 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	29,415	3,265.1
Repairs to 111 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 dectectors, 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. Concurrent		

1. COMPONENT	FY 1991 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)
IN THE UNITED STATES		
NAVSTA Long Beach (Continued) improvements are proposed at a cost of $1,029,800 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
PWC San Diego Repairs to one installation commander quarters: Replace windows, domestic water piping and plumbing fixtures throughout quarters; renovate water heater/circulation pump and storage tanks, install kitchen/pantry cabinets and countertops, fluorescent light fixtures, and ground fault interrupter receptacles; replace electrical system and roof; interior and exterior painting; and routine maintenance to include service calls and preventive maintenance.	89,500	89.5
PWC San Diego Repairs to 32 units to include: Replace flooring and hardware for kitchen cabinets; rehabilitate electric system; refinish kitchen cabinets. Concurrent improvements are proposed at a cost of $248,500 which include exhaust fans, additional electrical outlets in kitchens and bathrooms, energy efficient interior light fixtures, and ductwork insulation.	25,666	821.3

1. COMPONENT	FY 1991 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)
IN THE UNITED STATES		
PWC San Francisco Repairs to one installation commander quarters: Includes surface preparation and complete exterior painting of the quarters.	26,800	26.8
PWC San Francisco Repairs to one installation commander quarters: 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
CONNECTICUT		
NSB New London Repairs to 150 units to include: Replace sanitary sewer laterals to 21 of the 57 buildings; replace asphalt paving, granite curbs, catch basins to new grade, concrete steps, carports and storage sheds, mailboxes, site signs, playground equipment; regrade and stabilize steeply graded areas; replace foundation coping, siding and trim, garage ceilings, windows and sliding glass doors, roofing, drywall, exterior doors, closet shelves, vinyl base, closet doors, kitchen cabinets and counters, furnace, heat registers, metal chimneys, oil tanks, tubs, lavatories and water closets, electrical wall receptacles; and weather proof electrical panels. Concurrent improvements at a cost of $397,800 which include fire rated walls in place of existing furnace room doors and new exterior doors to replace interior doors, wired smoke detectors, bathroom exhaust/light fixtures, ducted range hoods, dishwashers, ground fault interrupter receptacles, energy efficient light fixtures in kitchens, bathrooms and basements and an expanded parking area.	25,928	3,889.2

1. COMPONENT	FY 1991 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)
IN THE UNITED STATES		
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 $5,624,500 which include 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.	20,338	3,620.1
MARYLAND		
[illegible]rmont [illegible]rs to 21 units to include: Replace kitchen a[illegible]athroom floors, bathroom tubs, water cl[illegible]s, sink vanities and wall tile, exterior do[illegible], hardware and frames, windows, kitchen cabinets, furnaces, electrical system, and street repairs. Concurrent improvements are proposed at a cost [illegible] $182,400 which include ductwork insulat[illegible]n, central air conditioning, smoke detectors, improved electrical distribution syst[illegible] kitchen reconfiguration to include installation of new dishwashers and added cabinet space.	34,310	720.5

1. COMPONENT	FY 1991 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)
IN THE UNITED STATES		
MASSACHUSETTS		
DOD Housing Westover	24,194	3,000.0
(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 panelboards, boiler control circuit transformers; resurface driveways, and replace front entrance sidewalk. Concurrent improvements are proposed at a cost of $538,700 which include 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.		
NAS South Weymouth	26,900	26.9
Repairs to one installation commander quarters: Repair by replacement of boiler and thermostat, roof and metal flashing, and front steps; waterproof basement walls; provide additional electrical outlets in kitchen.		
NEVADA		
NAS Fallon	102,600	102.6
Repairs to one installation commander quarters: Replace gas forced air-furnace system, electric		

1. COMPONENT	FY 1991 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)
IN THE UNITED STATES		
NAS Fallon (Continued) water heater, single pane wood frame windows, lawn sprinkler system, sewage system, and relocation of existing leach field. Concurrent improvements are proposed at a cost of $33,600 which include conversion of sunroom into a bathroom. Construct utility/laundry room in vacant area between family room and bathroom. Convert present utility room into a storage room. Provide for additional kitchen cabinets and electrical outlets.		
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 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 $35,900 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.	21,500	86.0
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;	27,924	3,015.8

1. COMPONENT	FY 1991 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)
IN THE UNITED STATES		
NETC Newport (Continued) 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.		
NETC Newport Repairs to 102 units to include: Replace exhaust fan with range hood, vent sink traps, utility 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 $1,484,900 which include dishwashers, garbage disposals, bathroom exhaust fans, concrete patios, privacy fencing, additional electrical receptacles, conversion of carports to garages, and additional shrubbery.	25,413	2,592.1

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)
IN THE UNITED STATES		
VIRGINIA		
NAVHOSP Portsmouth Repairs to one installation commander quarters: Replace deteriorated porch flooring, metal porch roof, gutters, downspouts, roof skylight, porch columns (four), porch column bases (three), and the repair of rotting wood porch panelling and wood trim; refinish interior and exterior woodwork and doors; repair exterior stucco; mechanical and electrical repairs include provision of ducted heat pump system and refinishing of interior plaster; replace rotting wood trim over porch columns; repairs to bathroom and electrical system including heat-pump air conditioning replacing current window air conditioning units. Concurrent improvements are proposed at a cost of $1,700 which include vanities, bathroom exhaust fans, electrical smoke detectors, additional receptacles, fluorescent lighting, and improved electrical system.	85,200	85.2
PWC Norfolk Repairs to two units to include: Replace vinyl siding; paint doors and windows; reinstall storm windows, install vinyl siding on one garage.	34,750	69.5
NWS Yorktown Repairs to one installation commander quarters: Replace electrical wiring including service entrance cable and electrical panel; complete interior painting; also included is routine maintenance, repair work, and preventive maintenance.	30,500	30.5

1. COMPONENT	FY 1991 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)
IN THE UNITED STATES		
WASHINGTON		
NAVSUBASE Bangor	42,966	4,296.6
Repairs to 100 units to include: Replace kitchen cabinets, floor, and range hood, bathroom sink tub medicine cabinets and floor, livingroom, 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 $1,762,000 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.		

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	3. DATE
NAVY		

2. 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		
MARIANAS		
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 $3,011,400 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.	18,585	985.0
PWC Guam Repairs to one installation commander quarters: 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
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 pannelling with gypsum board, lavatory cabinet, gutters and downspouts, splash blocks, electrical panel boards, light fixtures, electrical receptacles, disconnect switches, and doorbell system. Concurrent improvements are provided at a cost of $522,000 which include clothes lines, dishwashers, trash enclosures, lowered ceilings in kitchens, living rooms, and bedrooms. Install meter base panels, electrical receptacles, and additional landscaping.	37,974	1,291.1

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		
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 $736,300 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
SPAIN		
NAVSTA Rota Repairs to 320 units to include: Replace wooded floor and structural floor supports, interior doors, door frames and hardware, bathroom fixtures and tile, electrical wiring and receptacles, light fixtures, water heaters, metal gutters and downspouts; and exterior site regrading.	24,521	7,846.7

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

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)
IN THE UNITED STATES		
CALIFORNIA		
MCB Camp Pendleton Repair 170 Wire Mountain III area housing units. Repairs will correct landscaping deficiencies; replace fencing, windows, doors, screens; replaster, reinsulate, and refinish bathrooms and laundry rooms; replace plumbing and lighting; rewire and repair walls.	41,013	6,972.2
NORTH CAROLINA		
MCAS Cherry Point Repairs to 42 OPQ's. Project provides for repairs to the electrical, mechanical and architectural systems, foundation, exterior vinyl siding, windows, doors, hardwood floors, floor tile, cabinets, plumbing systems, fixtures, ceilings and garages.	28,619	1,202.0
SOUTH CAROLINA		
MCAS Beaufort Repairs to 333 family housing 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.	32,132	10,700.0

Family Housing, Navy and Marine Corps
LEASING

(In Thousands)
FY 1991 Program $66,421.0
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)	Author-ization Units	Cost ($000)	Author-ization Units	Cost ($000)
Domestic:						
Navy	1,190	12,981.0	4,000	14,676.0	4,000	37,810.0
Marine Corps	100	1,000.0	200	1,000.0	200	2,000.0
Foreign:	1,834	23,982.0	1,992	25,812.0	1,992	26,611.0
Total:	3,124	37,963.0	6,192	41,488.0	6,192	66,421.0

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 84 Military Construction Authorization Act (PL 98-115) authorizes the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test and would have expired upon execution of contracts no later than 1 October 1985. The Navy sites chosen for testing Section 801 were Norfolk, Virginia, and Earle, New Jersey. The Section 801 program has been extended through the end of FY 89. The Navy has awarded contracts for Section 801 projects at Norfolk, VA (300 units), Earle, NJ (300 units), Mayport, FL (200 units) and Twentynine Palms, CA (200 units). There are eight additional projects underway for a total of 3,180 units.

Domestic Leasing Fiscal Year Summary:

FY 1989 - The domestic leasing program consists of 1,290 units requiring funding of $13,981.0. Funding in the amount of $8,277.5 requested to provide for full funding of the Section 801 leasing projects at Norfolk and partial funding for Mayport, Earle, Staten Island, San Francisco and Twentynine Palms. The remaining $5,703.5 was to support the domestic leasing programs in New York and San Francisco.

FY 1990 - The domestic lease construct program consists of 1,400 units requiring funding of $15,676.0. Funding requested will provide full funding for Section 801 projects at Earle, Norfolk, Mayport, Twentynine Palms and partial funding for Staten Island.

FY 1991 - The domestic lease construct program consists of 4,200 units requiring funding of $39,810.0. Funding requested will provide for full funding for 4,000 units.

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. Resources presently identified for execution of the domestic leasing program may be redirected to provide for planning, design and execution of the additional Section 801 housing.

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 consists of 1,992 units of which 1,834 will require funding. The authorization difference of 158 units is due to anticipated delay of delivery of 97 units in the Sigonella project which will be completed in FY 1990. The remaining 61 units are 57 leases projected for Rota and La Maddalena and 4 others in various locations.

The FY 1990 unit authorization consists of 1,992 units of which 1,986 will require funding. The authorization difference of 6 units is due to anticipated delay of requirement for lease execution in various locations.

The FY 1991 foreign leasing budget reflects a stabilized requirement and a modest funding increase due to inflation. There are 6 units less than authorized that require funding.

FAMILY HOUSING, DEPARTMENT OF THE NAVY

ANALYSIS OF LEASED UNITS

(Other than Section 801 and Section 802 Units)

FY 19 91

LOCATION	FY (PY) 1989			FY (CY) 1990			FY (BY) 1991		
	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	310	3,720	3,059.8						
San Francisco	280	3,360	2,643.7						
TOTAL DOMESTIC LEASES	590	7,080	5,703.5						
FOREIGN LEASES *(List each location)*									
(a) Hong Kong, B.C	7	84	212.0	7	84	208.6	7	84	227.1
(a) Manila	51	612	690.0	54	612	721.8	54	612	767.4
(c) Djakarta	9	84	410.6	10	108	393.4	10	108	261.0
(c) Bangkok	7	84	213.2	7	60	172.2	7	60	172.5
(a) Bahrain	1	12	46.6	1	12	49.0	1	12	49.0
(c) New Delhi	1	12	35.0	1	12	45.0	1	12	41.8
(a) Lisbon	1	12	48.0	1	12	49.7	1	12	51.7
(a) Greece	3	36	55.6	3	36	58.7	3	36	62.6
(a)(b)La Maddalena	162	1,944	2,225.0	194	2,136	2,845.2	194	2,328	3,096.8
TOTAL FOREIGN LEASES									(Continued)
GRAND TOTAL									

DD Form 2458-2, JUN 86

FAMILY HOUSING, DEPARTMENT OF THE NAVY
ANALYSIS OF LEASED UNITS
(Other than Section 801 and Section 802 Units)
FY 19 91

LOCATION	FY (PY)			FY (CY)			FY (BY)		
	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	508	6,096	6,196.9	508	6,096	6,346.1
(a)(b) Sigonella	412	4,944	7,314.2	509	5,235	8,065.1	509	6,108	8,329.4
(a)(b) London	84	1,008	1,092.7	84	1,008	1,133.5	84	1,008	1,223.7
(a)(b) Holy Loch	436	5,232	4,241.8	436	5,232	4,287.5	436	5,232	4,356.5
(b) Thurso	50	600	494.9	50	600	509.3	50	600	520.3
(b) Edzell	102	1,224	831.6	102	1,224	865.1	102	1,224	888.5
(a) Rota	0	0	0	25	300	211.0	25	300	216.6
TOTAL FOREIGN LEASES	1,834	21,984	23,982.0	1,992	22,767	25,812.0	1,992	23,832	26,611.0
GRAND TOTAL	2,424	29,064	29,685.5	1,992	22,767	25,812.0	1,992	23,832	26,611.0

OD Form 2458-2, JUN 86

(a) Individual Lease
(b) Lease Construction
(c) Department of State Leasing Pool

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) UNITS	FY (CY) COSTS	FY (BY) UNITS	FY (BY) APPROP REQUEST
(List each location/project)									
NAVY									
Earle, N.J.	300	1984	8/86	2/90	3,636.0	300	3,232.0	300	3,636.0
Norfolk, VA	300	1984	2/86	12/87	4,001.4	300	3,992.0	300	4,001.4
Mayport, FL	200	1986	9/86	10/88	1,527.0	200	1,527.0	200	1,527.0
Fallon, NV	180	1986	3/89	3/91	1,354.1	0	0	180	1,219.0
Staten Island, N.Y.	1,000	1987	1/89	1/91	17,000.0	500	2,125.0	1,000	17,000.0
San Francisco, CA	500	1988	8/89	8/91	5,445.0	0	0	500	1,022.2
San Diego, CA	300	1988	5/89	5/91	2,995.6	0	0	300	798.5
Long Beach, CA	300	1988	5/89	5/91	2,289.6	0	0	300	615.4
Port Hueneme/ Point Mugu, CA	300	1988	5/89	5/91	2,757.6	0	0	300	742 6
Washington D.C.	300	1988	10/89	10/91	3,000.0	0	0	300	1,068.1
Cecil Field, FL	300	1988	10/89	10/91	2,350.0	0	0	300	839.)
MARINE CORPS									
29 Palms	200	1986	9/86	10/91	2,000.0	100	1,000.0	200	2,000.0
TOTAL	4,180	N/A	N/A	N/A	48,356.3	1,400	15,676.0	4,180	39,810.0

DD Form 2456-1, JUN 86

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 Estimates	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